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SCANNED

AECOM

10 Patewood Drive, Bldg. 6, Ste. 500, Greenville, SC 29615

March 1, 2024

Ms. Kim Kuhn
South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management
State Remediation Section
2600 Bull Street
Columbia, South Carolina 29201

Re: Feasibility Study Technical Memorandum
Former Shakespeare Composite Structures Site
Newberry County
Voluntary Cleanup Contract 14-6271-RP
Site ID # 51025

Dear Ms. Kuhn:

Signify North America Corporation (Signify) and AECOM Technical Services, Inc. (AECOM) are transmitting the enclosed Feasibility Study Technical Memorandum (FS Tech Memo) to SCDHEC. After completion of the groundwater pilot study and submittal of the pilot study report in May 2023, the responsible party, Signify, requested that AECOM evaluate the Newberry site regarding whether there were any outstanding gaps in the characterization of groundwater which should be addressed before completing the FS. Upon review of the analytical data from the 2022 sitewide monitoring event and the pilot study data, Signify and AECOM determined that several data gaps existed. The following data gaps were identified:

- Additional groundwater assessment in the area of the foam room (TMW-31 area) and paint room inside and outside of the main building, to further evaluate a potential VOC source in this area;
- Additional assessment of the subslab vapor and soil in the area upgradient of the foam room, to further evaluate a VOC source in this area;
- Evaluation of the bedrock surface and depth to bedrock outside the building and downgradient of the groundwater plume to the north of the site using seismic geophysical tools, to evaluate potential preferential pathways of groundwater migration from the building areas; and
- Evaluation of groundwater trichloroethene (TCE) concentration trends in selected monitoring wells on site and off site, to see if TCE concentrations are increasing or significantly decreasing in these areas.

These four potential data gaps were addressed through field activities from June 2023 to January 2024. In addition, the groundwater pilot test wells were sampled at least once during this time period. AECOM originally intended to include the field and laboratory results and conclusions from these activities in the FS Report. However, because of the extensive volume of data generated during this time period, this separate tech memo was developed. This document contains summaries of the objectives, approaches and procedures, observations and data, and conclusions and recommendations for each of the data gaps and for the additional pilot study area sampling.

Based on the results of these additional assessments, AECOM does not recommend any additional monitoring well installation or any further groundwater assessment prior to completion of the FS Report. We recommend moving forward to complete the Report. The FS Report is being developed in accordance with the SCDHEC-approved FS Work Plan dated May 15, 2019 and approved on June 4, 2019.

After submittal of the FS Report and the subsequent Remedial Design Work Plan, additional monitoring wells will be installed for baseline sampling. Those additional wells will continue to be monitored after implementation of the selected remedy, to better evaluate the results of the groundwater remedy.

142

As discussed in the AECOM and SCDHEC telephone call of February 7, 2024, we request SCDHEC review of this tech memo data summary, and we also request Department review of the alternatives currently undergoing detailed analysis according to CERCLA criteria. AECOM plans to send to SCDHEC a summary of the alternatives currently undergoing detailed analysis in a separate transmittal via email, in preparation for our March 8, 2024 meeting at the SCDHEC office in Columbia. As discussed on February 7, Signify and AECOM wish to continue to proceed with the FS process, with the target of beginning remedy implementation as early as September 2024.

Should you have any questions regarding the information included in this package, please contact me at 864-380-6950 or Scott Ross at 803-201-9662, at your convenience.

Sincerely,

David R. Oliphant
Senior Project Manager

cc: Mr. Emil Filc - Signify
Mr. Scott Ross - AECOM

51025

AECOM

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Feasibility Study Technical Memorandum Shakespeare Composite Structures Site

RP-VCC-14-6271-RP

February 2024

Project # 60721186

142

FEASIBILITY STUDY TECHNICAL MEMORANDUM

SHAKESPEARE COMPOSITE STRUCTURES SITE
19845 US HIGHWAY 76, NEWBERRY, SC

VCC 14-6271-RP

PREPARED FOR:

SIGNIFY NORTH AMERICA CORPORATION

PREPARED BY:

AECOM

GREENVILLE, SC

FEBRUARY 2024

Quality information

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Prepared for:

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TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

ATTACHMENTS

1.0 INTRODUCTION

A feasibility study (FS) is currently being conducted at the former Shakespeare Composite Structures Newberry Site (the Site). This technical memorandum was developed to address data gaps identified after completion of the remedial investigation (RI) completed in 2018, the groundwater pilot test conducted in 2021 and 2022, and the sitewide groundwater monitoring event of 2022. The field and laboratory analytical activities to address these data gaps were performed from June 2023 to January 2024.

The Site is located at 19845 US Highway 76, approximately 1 mile northwest of Newberry, South Carolina **(Figure 1-1**). The Site is centered on the Valmont Composite Structures (Valmont) facility and includes several surrounding properties (**Figure 1-2**). The facility was originally opened to produce fiberglass products, and it has continued to be used for this manufacturing process. Operations at the facility include the design and manufacture of large fiberglass utility poles and cross arms and a variety of other fiberglass outdoor products such as posts, signs, sheet pilings, and signposts. Manufacturing is conducted inside two separate buildings – the Main Building and the Pole Winder Building.

1.1 Feasibility Study Approach Report Development

Remedial action at the Site is being addressed under the Voluntary Cleanup Contract (VCC) No. 14-6271-RP. The responsible party is Signify North America Corporation (Signify). Signify no longer owns or occupies the Site but retains responsibility for legacy environmental issues occurring prior to the sale to the current owner Valmont.

In response to VCC requirements, Signify has conducted an RI at the site, with assistance from its environmental consultant AECOM. The RI Report was submitted to SCDHEC in 2018. After completion of the RI and submittal of the RI Report, AECOM developed a FS Work Plan which was submitted to SCDHEC on May 15, 2019 (**AECOM, 2019**). SCDHEC approved the FS Work Plan in correspondence dated June 4, 2019. A bench scale treatability study and a groundwater pilot study were conducted, along with a sitewide groundwater monitoring event, to provide additional data needed for the FS.

The results of each of these FS components are briefly discussed below.

1.2 Bench-Scale Treatability Study (BSTS) and Total Oxidant Demand Study Results Summary

Two potential remedies were evaluated in the BSTS as possible treatment options for Site-related chloriated volatile organic compounds (CVOCs): in situ chemical oxidation (ISCO) and in situ enhanced reductive dechlorination (ISERD). Both ISCO and ISERD are active groundwater remedial approaches that can degrade CVOCs via chemical oxidation or via biololgical reductive dechlorination. In September 2019, soil and groundwater samples were collected and shipped to

Redox Tech, LLC (Redox Tech) in Cary, North Carolina for ISCO total oxidant demand (TOD) testing. Soil and groundwater samples were also submitted to SiREM Laboratories (SiREM) in Ontario, Canada for bench-scale evaluation of the various ERD treatments.

Based on the results of the TOD testing and a subsequent discussion with Redox Tech, a TOD value of 1 to 2 g/kg was considered adequate for ISCO design purposes. Because the Site TOD value is relatively low, these results indicated that ISCO might be a suitable remedial option to treat CVOC-impacted Site groundwater.

The BSTS for ERD evaluated the effectiveness of multiple treatment amendments for CVOC-impacted Site media including EDS-ER™ (an emulsified vegetable oil [EVO]), which promotes in situ bioremediation (ISB) via reductive dechlorination, MicroEVO™ (sulfidated zero valent iron [ZVI]), which promotes abiotic in situ chemical reduction (ISCR), and KB- 1® Plus (a chlorinated solvent bio-augmentation microbial culture). One of the EDS-ER™ amended treatment microcosms and one of the MicroEVO™ ISCR amended treatment microcosms were also buffered using sodium bicarbonate to maintain the pH within the optimal range (i.e., 6 to 8 standard units [S.U.]) for reductive dechlorination to occur.

Based on the results of the BSTS, both ISCO and ISERD (using a combination of ISB and ISCR) were determined to be potentially applicable remediation technologies that could be used to address CVOC contamination in Site groundwater. A field-based pilot study (PS) was recommended as the next logical step in order to evaluate effectiveness, implementability, and cost associated with full-scale implementation of one or both technologies. In their approval letter, SCDHEC reviewed and concurred with the BSTS results and recommendation for the completion of the PS. A Pilot Study Work Plan (PSWP, **AECOM, 2020**) was submitted to SCDHEC on October 1, 2020. SCDHEC approved the PSWP on October 16, 2020.

1.3 Groundwater Pilot Study Summary

A field-scale, groundwater treatability (PS) was initiated in August 2021, and the final performance monitoring event was completed in December 2022. The PS Report (**AECOM, 2023a**) was submtted to SCDHEC in April 2023. It was recommended that both ISCO and ISERD should be retained as potential treatment technologies and for remedial alternatives development in the FS.

1.3.1 ISCO Pilot Study

Review of field observations and measurements along with analytical results from the ISCO study area monitoring wells indicate the following ISCO PS conclusions:

- Treatment using potassium permanganate (KMnO4) oxidant was effective in decreasing the TCE concentrations to non-detection levels in the area where obstructions did not limit access to the injection direct push technology (DPT) equipment.

- The December 2022 TCE concentration of 3,600 µg/L in groundwater at source area well TMW-31 indicated that a significant TCE source still exists in groundwater under the building in that area.

- Because of overhead obstructions inside the eastern end of the building, another approach to accessing appropriate injection locations in the TMW-31 CVOC groundwater source area may need to be identified.

1.3.2 ISERD Pilot Study

Review of field observations and measurements along with analytical results from the ISERD study area monitoring wells indicate the following PS conclusions:

- CVOC and the biogeochemical concentrations indicate that overall conditions, with enhancement, in the treatment areas remain favorable for continued degradation to occur in the vicinity of MW-10, MW-10I, and ERD-OBSW-1I. The distance of ERD-OBSW-1S from the injection locations prevented treatment at this well due to the tight lithology associated with the shallow zone groundwater aquifer.

- An increase in other parameters such as dissolved iron, TOC, and methane also support the conclusion that conditions still could be favorable for continued degradation of CVOCs.

- The ERD technology worked favorably for the intermediate zone, as evidenced by the decline in TCE concentrations and increase in cis-1,2-DCE. The pH may have been a limiting factor for success in the shallow zone.

- The bioaugmentation injection event conducted in December 2021 did not result in a significant increase in *DHC* and associated reductase enzymes, which indicates limited effectiveness of this procedure.

- If ISERD is conducted in the future, buffering to increase the targeted groundwater pH will need to be closely controlled in order to avoid increasing the pH to above 8 S.U., which is outside the favorable range for reductive dechlorination to occur.

- A radius of influence (ROI) of at most 10 feet was confirmed during the pilot study.

1.4 Sitewide Groundwater Monitoring Event Summary

The sitewide groundwater monitoring event was conducted in February and March 2022. The monitoring event included sampling of 65 monitoring wells located at the Site. This includes 39 shallow zone wells, 12 intermediate zone wells, and 14 deep (bedrock) zone wells. Wells

monitored and the groundwater elevations in those wells during the sitewide event are indicated in **Figure 1-3** (shallow zone), **Figure 1-4** (intermediate zone), and **Figure 1-5** (deep zone). The Sitewide Groundwater Monitoring Report (**AECOM, 2023b**) was submitted to SCDHEC in May 2023.

1.5 Technical Memorandum Organization

The observations, data, and conclusions generated during the June 2023 to January 2024 period are summarized in this technical memorandum. Section 2.0 of this document discusses the various assessments performed during this period. Section 3.0 contains conclusions and next step actions resulting from these additional assessments.

2.0 ADDITIONAL ASSESSMENTS OF JUNE 2023 THROUGH JANUARY 2024

2.1 Data Gaps to be Addressed Prior to Completion of the FS

Signify requested that AECOM evaluate the Newberry site for whether there were any meaningful gaps in the characterization of groundwater that should be filled before selecting a remedial alternative for the management of CVOCs in the groundwater. Upon completion of the groundwater pilot study testing in December 2022, and review of the groundwater analytical data received from the laboratory in February 2023, Signify and AECOM determined that several data gaps existed. The following data gaps needed to be addressed prior to development of the FS Report:

- Additional groundwater assessment in the area of the foam room (TMW-31 area) and paint room inside and outside of the main building;
- Additional assessment of the subslab vapor and soil in the area upgradient of the foam room;
- Evaluation of the bedrock surface and depth to bedrock outside the building and downgradient of the groundwater plume to the north of the site; and
- Evaluation of groundwater trichloroethene (TCE) concentration trends in selected monitoring wells on site and off site.

2.2 Objectives and Approaches to Address the Data Gaps

As a result, the following objectives were established and approaches were formulated for each of the four data gaps. Observations and data from each of the four events to assess data gaps are also summarized below.

2.2.1 Additional Groundwater Assessment of June 2023

Objectives of this assessment: (1) evaluate a presumed VOC source area, as indicated by the TCE concentration of 3,600 ug/L at well TMW-31 located in the foam room on the east side of the main building, and (2) determine the horizontal extent of VOCs inside and outside the building in this area.

Approach and Procedures: In May 2023, a work plan and well installation permit was submitted to SCDHEC, and the Department issued a well installation permit in written correspondence dated May 22, 2023. On June 1, 2023, a private utility locator firm was retained to mark underground utilities inside and outside the building in this area, and this subcontracted firm also marked utilities in other areas outside the building. Those locations were later surveyed. Locations of the marked utilities from June 2023 are indicated in **Figure 2-1A** and **Figure 2-1B**.

During the period of June 5 to 7, 2023, groundwater monitoring wells were installed inside and outside the foam room area, using a Geoprobe 6610-DT direct push rig drill rig. A number of other borings were attempted for well installation, but refusal due to shallow bedrock was

encountered. The locations of the installed wells and refusal points are indicated in **Figure 2-2**. Boring logs, well installation details, water well records, and survey data are included in **Attachment 1**.

On June 8 and 9, 2023, the newly-installed wells, along with several existing pilot study wells, were sampled for VOCs. Monitoring well locations were surveyed on June 9, 2023. Groundwater samples were analyzed for VOCs by a South Carolina certified laboratory using EPA Method 8260D.

Observations and Data: Both field and laboratory analytical data were generated during this assessment phase. Field sampling logs are contained in **Attachment 2**. Laboratory analytical data appear in **Attachment 3**. The June 2023 groundwater field and analytical data are included in the groundwater table containing the June 2023 to January 2024 additional assessment groundwater data (**Table 2-1**).

Data on the groundwater sampling collection records indicate that for the two inside wells, MW-34 and MW-35, dissolved oxygen values ranged from 1 to 2 mg/L and oxidation reduction potential (ORP) was negative, ranging between -220 and -270 millivolts. Both of these wells are located upgradient of the ISCO pilot test area and the foam room.

TCE concentrations were 681 ug/L (well MW-35) and 0.36 ug/L (well MW-34). Both concentrations were significantly less than the 3,600 ug/L detected in December 2022 at well TMW-31 inside the pilot test area, at the end of the pilot study test. The 681 ug/L at well MW-35 is the same TCE magnitude as well TMW-31 for the 920 ug/L baseline in August 2021 and 480 ug/L and 860 ug/L during the pilot study. TCE concentrations in this area from June and September 2023 and prior dates in this area are shown in **Figure 2-3**. The only TCE degradation product detected in groundwater from well MW-34 or MW-35 was cis-1,2-DCE at 6.0 ug/L at MW-35, indicating that very little anaerobic biodegradation is occurring. These data led Signify and AECOM to decide to conduct the subslab vapor (SSV) and soil sampling in September 2023.

In the three new monitoring wells (MW-36 through -38) installed in June 2023 outside the building, TCE concentrations ranged from 10.0 to 21.1 ug/L. No TCE degradation products were detected in any of those samples.

Two of the existing wells (MW-10 and ERD-OBSW-1S) in the vicinity of the ISERD pilot study area were also sampled for VOCs in June 2023. TCE concentrations were 464 ug/L at MW-10 and 199 ug/L at ERD-OBSW-1S, similar to the December 2022 concentrations at the conclusion of the pilot test performance monitoring period.

Conclusions from the groundwater data of June 2023 are listed in **Section 3.1** of this document.

2.2.2 Additional Subslab Vapor and Soil Assessment of September 2023

Objectives of this assessment: (1) evaluate subslab vapor concentrations along the floor drain and piping system, to see if VOC source areas may be present in soil adjacent to or underlying the subslab sewer system; (2) resample two groundwater monitoring wells in the foam room area which had not been sampled since December 2022, to see if there are significant changes in VOC

concentrations; and (3) if potential subslab vapor hot spot areas are indicated, collect some soil samples to see if one or more soil hot spot source area are present.

Approach and Procedures: On September 28, 2023, the private utility locator subcontractor mobilized to the site to mark underground utilities, drains, and piping. Then, core holes were advanced through the concrete floor near the drains and piping in the vicinity and upgradient of the foam room and paint room. A total of 10 vapor pins for monitoring subslab vapor (SSV) were installed through the floor, and the pin assemblies were leak tested. Photoionization detector (PID) field readings for organic vapor were recorded in each location, before the vapor pins were installed. Field observations and notes are contained in **Attachment 4**. SSV sampling was performed on September 29 using 1-liter summa canisters for a 5-minute run time.

On September 29 after the SSV samples were collected, soil samples were collected from four of the holes, using a fabricated “rod in tube” apparatus. A "slide hammer" was used to advance the outer rod (like a Shelby tube®) down to a depth of approximately 6 inches below the concrete floor. The rod apparatus advancement continued until there was an adequate volume of soils for sampling. The maximum depth of advancement was approximately 2 feet. Then the apparatus was raised from the hole, and the inner rod was used to remove soil samples for containerization into the sampling bottles. Soil samples were collected from four locations, all along the subslab sewer line, to look for a source and chlorinated organics upgradient of well TMW-31 in the foam room. These were locations where the field PID organic vapor readings were the highest. Initial organic vapor readings prior to insertion of the vapor pins ranged from 64 to 81 ppm; final PID readings after soil sampling ranged from 39 to 53 ppm. Terracore® sampling kits were used to collect the soil samples. Once the samples were collected, the vapor pins were pulled out of each hole, and the holes grouted with concrete patch. Finally, the locations were surveyed.

In addition to the SSV and soil sampling, groundwater samples were collected on September 29 at two locations: TMW-31 inside the foam room and ISCO-OBSW-1S outside the building. This is the area where the ISCO pilot test was performed in 2021-2022. The SSV, soil, and groundwater samples were shipped to the Pace Analytical Laboratory under chain of custody.

Observations and Data: The laboratory analytical reports for the September 2023 event are contained in **Attachment 5**. Subslab vapor samples were analyzed using EPA Method TO-15. Soil and groundwater samples were analyzed for VOCs using Method 8260D. Subslab vapor data and soil data were added to the 2018 RI data and are shown in **Table 2-2** and **Table 2-3**, respectively. The results from September have been added to **Figure 2-4** and **Figure 2-5,** respectively.

A large number of compounds were detected in the SSV samples. Acetone and styrene, chemicals used in the Valmont manufacturing process, were among the high concentrations reported. The maximum acetone concentration was 2100 ug/m^3, and the maximum detected styrene concentration was 4010 ug/m^3, as indicated in the laboratory analytical report in **Attachment 5**. The main chemical of interest for legacy environmental purposes is TCE, but TCE was only detected in 6 of the 10 SSV samples. The highest detected TCE value was 24 ug/m^3, compared with 1020 ug/m^3 at the other end of the main building in 2018 during the RI.

For soil, no TCE, cis-1,2-DCE, or vinyl chloride was detected in any of the four samples collected from the area adjacent to the subslab sewer line.

The groundwater data from the September 2023 sampling event were added to **Table 2-1**

Conclusions from the SSV, soil, and groundwater data of September 2023 are listed in **Section 3.2** of this document.

2.2.3 Seismic Geophysical Evaluation of November 2023

Objectives of this assessment: (1) determine/verify the depths of the competent bedrock surface at accessible areas beneath the Site; (2) use information obtained during this survey to try to determine if and/or where underlying bedrock influences horizontal and vertical migration pathways for the TCE impacted groundwater beneath the Site.

Approach and Procedures: The approach and procedures utilized in the seismic evaluation are summarized in the report contained in **Attachment 6**. The geophysical investigation consisted of seismic refraction and multichannel analysis of surface waves (MASW) surveys. The two methods were selected to provide flexibility to evaluate the depth to bedrock across the variable site conditions encountered at the site. Site conditions of specific concern included high ambient noise conditions associated with plant operations and vehicle traffic, unfavorable surface coverings including pavements and dense packed gravel, irregular topography, thick vegetation in undeveloped areas and surface obstructions. As a result of these obstructions, both methods were utilized.

The geophysical field investigation was completed in one mobilization from November 7 to 11, 2023. Data collection of combined seismic refraction and MASW occurred along 9 lines as shown on **Figure 2-6**. Due to unfavorable site conditions including surface obstructions, pavements, and high noise and traffic levels, the locations of some of the proposed lines (**Figure 2-6**) were adjusted significantly while others were eliminated. Data could not be collected along proposed Line 3 located behind and parallel to the building. Proposed Lines 4 and 5 were combined and renamed as Line 4. Initial testing along Lines 1 and 2 indicated that the high noise levels at the site significantly impacted the quality and resolution of the seismic refraction data. After discussions with the project team, it was decided to complete the remainder of the investigation using solely the MASW method as it is less susceptible to negative data quality issues associated with high ambient noise levels. A total of 1,650 linear feet of seismic refraction and 2,740 linear feet of MASW were collected as part of this investigation.

Observations and Data: The observations and data from the seismic evaluation are summarized in the report contained in **Attachment 6**, for both the seismic refraction and MASW methods. The following is a summary of the observations and data:

To further refine the top-of-rock topography and further evaluate its potential to control contaminant migration, geophysical surveys were conducted in November 2023. The results of the geophysical surveys as reported in AECOM's geophysical survey memo (**Attachment 6**) suggest a relatively flat-lying interface between the overburden (saprolite) and the bedrock (partially weathered bedrock and/or competent bedrock) at about 10 to 25 feet below ground

surface, instead of a highly variable surface with as much as 100 feet of relief as indicated by boring logs. This discrepancy suggests that the bedrock surface is more of a pinnacled surface with abrupt changes in depth, instead of a smooth surface with gradual slopes between data points. These observations suggest that the potential for preferential groundwater/contaminant flow paths is present, but that further refinement of the bedrock surface is unlikely with remote sensing tools that are feasible at this site (i.e., the useful data will come from any additional drilled borings).

Conclusions from the seismic evaluation are listed in **Section 3.3** of this document.

2.2.4 Additional Groundwater Monitoring and Trend Plots of January 2024

Objectives of this assessment: (1) evaluate the TCE concentration trends in approximately 20 monitoring wells: 12 shallow zone wells, 6 intermediate zone wells, and 2 deep (bedrock) zone wells; (2) based on the trend data, evaluate if there is evidence of a not yet identified, ongoing TCE source that needs to be addressed in the FS alternative.

Approach and Procedures: The majority of the wells were sampled using passive diffusion bags (PDBs). However due to the narrow 1-inch diameter of the TMW series wells , those wells were sampled using low flow sampling technology. Also, wells MW-10 and MW-10I were utilized during the ERD pilot study efforts, where residual injection solution could still be present and could interfere with the PDB technology. Therefore, these two wells were also sampled using low flow sampling techniques. Samples were analyzed for VOCs using Method 8260D.

Observations and Data: Field sampling logs for the January 2024 sampling event are contained in **Attachment 7**. Depth to groundwater readings are shown in **Table 2-4**, where they are compared with previous data from 2017, 2018, and 2022. The groundwater samples were shipped to the Pace Analytical Laboratory under chain of custody. The laboratory analytical reports for the January 2024 event are contained in **Attachment 8**. The groundwater data from the January 2024 sampling event were added to **Table 2-1**. Comprehensive tables from 2014 to January 2024, for the shallow zone, intermediate zone, and deep zone are contained in **Attachment 9**.

From data in those three comprehensive tables in **Attachment 9**, Mann Kendall trend plots for TCE concentrations in groundwater were developed. The trend plots and concentration data used appear in **Attachment 10**. Results from the statistical calculations in Mann Kendall are summarized below:

Shallow Zone:
MW-5 - No Trend
MW-8 - Decreasing
MW-9 - Decreasing
MW-10 - Decreasing (this was a pilot test well, although showed little influence during pilot test)
MW-12 - Stable
MW-14 - Increasing (maximum concentration of 139 ug/L in January 2024)

MW-16 - No Trend
TMW-21 - Decreasing
TMW-22 - Decreasing
TMW-23 - No Trend
TMW-24 - No Trend
TMW-25 - Increasing (but maximum concentration [Jan. 2024] was only 52 ug/L)
TMW-31 is a pilot test monitoring well and not good for trend plot

Intermediate Zone:
MW-5I - Stable
MW-6I - Stable
MW-7I - Stable
MW-9I - No Trend
MW-10I (this is a pilot test monitoring well and not good for trend plot)
MW-20I - Decreasing

Deep (Bedrock) Zone:
MW-6D – Probably Decreasing
MW-12D – No Trend

The locations of the wells for which the trend plots were developed are shown in **Figures 2-7A and 2-7B** (shallow zone wells), **Figure 2-8** (intermediate zone wells), and **Figure 2-9** (deep/bedrock zone wells). Also shown on those three figures are the statistical results (e.g., decreasing, stable, no trend, increasing, or other determination) for groundwater from each well evaluated.

Conclusions from the trend plot evaluations and other data generated are listed in **Section 3.4** of this document.

2.3 Additional Sampling of Pilot Test Wells

In addition to the data gap assessment, pilot test wells were sampled during the June 2023 to January 2024 period, to evaluate any continued active groundwater treatment in the areas of the 2021-2022 groundwater pilot test. Objectives, approach and procedures, and observations and data are discussed in this section.

Objectives of this assessment: (1) to evaluate if there is any evidence of continued active treatment of groundwater from the ISCO and ISERD pilot tests, and (2) develop trends and baseline at both areas before initiating the proposed remedial action, which could occur before the end of 2024.

Approach and Procedures: In June 2023, two ISERD pilot test monitoring wells, MW-10 and ERD-OBSW-1, were sampled for VOCs, at the ISERD pilot study area. In September 2023, two ISCO pilot study wells, TMW-31 and ISCO-OBSW-1, were sampled for VOCs. In January 2024,

the two ISERD pilot wells, MW-10 and MW-10i, were sampled for VOCs. Well TMW-31 in the ISCO pilot test area also was sampled in January 2024; however, the analytical results looked anomalous, since VOCs were almost non-detect. Groundwater samples were analyzed for VOCs using Method 8260D.

Observations and Data: Field data for pilot test wells from those three sampling events were recorded on the data logs contained in **Attachments 2, 4, and 7**, respectively. Laboratory analytical data from those three events are contained in the laboratory reports in **Attachment 3, Attachment 5,** and **Attachment 8**, respectively. Field and laboratory data are shown on **Table 2-1**, and also are contained in **Table 2-5** and **Table 2-6**. These data have been included on the updates for **Figure 2-10** and **Figure 2-11**, for the ISCO and ISERD pilot studies, respectively. For most of the wells, TCE concentrations during the June 2023 to January 2024 period were back to the magnitude observed during the baseline test of August 2021 before initiation of the pilot test.

Additional observations are summarized below for the two pilot tests:

ISCO Pilot Test Area (**Table 2-5**):

- There was TCE rebound at observation well ISCO-OBSW-1S downgradient of the pilot test treatment area, as indicated below:
    - ISCO-OBSW-1S (909 ug/L in September 2023), compared with <25 ug/l from March to December 2022. The baseline TCE concentration in August 2021 was 960 ug/L.
- There was a decline in the TCE concentration at the presumed pilot test source area well as indicated below:
    - TMW-31 from December 2022 (3600 ug/L which likely was mobilized during the pilot test) to September 2023 (1800 ug/L). The baseline TCE concentration in August 2021 was 920 ug/L, similar to the 960 ug/L at the observation well.

ISERD Pilot Test Area (**Table 2-6**):

- There was no additional appreciable TCE concentration decline in groundwater in the shallow zone at the two ISERD area pilot study wells compared with either the December 2022 data collected at the end of the pilot test or the August 2021 baseline data prior to the pilot test.
    - MW-10 (467 ug/L and 567 ug/L in June 2023 and January 2024, respectively), compared with 500 ug/L in December 2022 at the end of the pilot test;
    - ERD-OBSW-1S (199 ug/L in June 2023), compared with 240 ug/L in December 2022 at the end of the pilot test.

- At the intermediate zone, the ISERD pilot test showed promising results (at well MW-10I: 50 to 57 ug/L from March through December 2022, compared with 870 ug/L baseline in August 2021). However, rebound at MW-10I occurred as indicated below:
    - MW-10I (617 ug/L in January 2024), compared with 55 ug/L in December 2022 at the end of the pilot test.

Conclusions from the additional sampling of pilot test wells are listed in **Section 3.5** of this document.

3.0 CONCLUSIONS AND NEXT STEP ACTIONS FROM ADDITIONAL ASSESSMENTS

3.1 Conclusions from June 2023 Main Building Area Assessment

The following conclusions were drawn from the June 2023 assessment:

- The source area for VOCs in groundwater upgradient of well TMW-31 in the paint room was better defined in June 2023. The 681 ug/L TCE concentration at well MW-35 upgradient of well TMW-31 and the foam room is of the same magnitude as the 920 ug/L baseline concentration in August 2021 and 480 ug/L and 860 ug/L concentrations during the pilot study at well TMW-31. According to discussions with facility personnel after receipt of the data, there are no known potential TCE sources farther upgradient of the foam room in the east end of the main building, other than the subslab sewer line upgradient of the foam room. (Note: as a follow up to the June 2023 sampling event, assessment of subslab vapor and soil in the area upgradient of the foam room was conducted in September 2023, as discussed in Section 2.2.2 of this document.)

- Data indicated that the VOC plume has not migrated appreciably beyond the area of the outside observation well. The June 2023 sampling event revealed that the maximum TCE concentration in groundwater downgradient of observation well ISCO-OBSW-1S was 21 ug/L at well MW-37 outside of the building.

3.2 Conclusions from the September 2023 Main Building Area Assessment

The following conclusions were drawn from the September 2023 assessment:

- Based on the SSV data collected from ten locations inside the east end of the main building and upgradient of the foam room, there was no indication of a TCE source in SSV of a magnitude that would suggest a significant TCE source in soil.

- Based on the soil data collected from four locations inside the east end of the main building, along the sewer line beneath the concrete floor and upgradient of the foam room, there was no indication of a TCE source in soil media of a magnitude that would suggest a significant TCE release from the sewer into underlying soil.

- Since no TCE source area was found, it was recommended to proceed with the seismic study, later conducted in November 2023, to evaluate potential preferential pathways for TCE in groundwater downgradient of the buildings.

3.3 Conclusions and Recommendations from the November 2023 Seismic Evaluations

The following conclusions were drawn from the November 2023 seismic assessment:

- As illustrated on draft **Figures 3-1, 3-2, and 3-3**, inspection of shallow, intermediate, and deep groundwater monitoring results suggests that there are different migration dynamics driving the direction of contaminant distribution in the monitored depth intervals. A structure contour map of the top-of-rock surface (underlying all three figures), prepared based on reported depth of competent rock in the previously installed soil borings, suggested the potential for bedrock topography to influence groundwater flow.

- The seismic assessment data coupled with the structure contour map data suggest that the bedrock surface is more of a pinnacled surface with abrupt changes in depth, instead of a smooth surface with gradual slopes between data points. These observations suggest that the potential for preferential groundwater/ contaminant flow paths is present, but that further refinement of the bedrock surface is unlikely with remote sensing tools that are feasible at this site.

3.4 Conclusions from the Groundwater Sampling Event

The following conclusions were drawn from the January 2024 sampling event:

- There was no indication of an increasing TCE source area. Of the 21 wells sampled in January 2024, only two of them showed increasing concentrations, and both of those were of relatively low magnitude: MW-14 (maximum TCE of 139 ug/L) and TMW-25 (maximum TCE of 51.9 ug/L). MW-14 is an off-site well to the north of the pole winder building, and TMW-25 is inside the pole winder building.

- There was indication of potential migration of TCE from formerly higher concentration areas on the west side of the Site. The decrease in TCE groundwater concentrations at several wells on the west side of the Site, inside and outside of the main building or the pole winder building, indicate potential for downgradient VOC migration. Since TCE daughter products (cis-1,2-DCE and vinyl chloride) concentrations are low, there is no indication of appreciable natural anaerobic biodegradation; therefore, the concentration decreases likely have resulted from dilution or dispersion. From 2017 to January 2024, the following concentration decreases were noted:
    - MW-8 from 1100 to 412 ug/L;
    - MW-9 from 170 to 45 ug/L;
    - TMW-21 from 890 to 90 ug/L;
    - TMW-24 from 320 to 94 ug/L.

  No additional monitoring wells are recommended at this time (see Section 5.3.2 below), but the observations of the decreasing concentrations should be noted during future sampling event.

3.5 Other Conclusions from the Additional Assessments of June 2023 through January 2024 and Status of the FS Process

3.5.1 Additional Sampling of Pilot Test Wells

The following conclusions were drawn from the additional sampling of pilot study wells:

ISCO Pilot Test Area:

- Based on the pilot test data at ISCO-OBSW-1S, ISCO is still a retained technology for detailed analysis of alternatives for the FS.

ISERD Pilot Test Area:

- Based on the pilot test data from these wells, ISERD is still a retained technology for detailed analysis of alternatives for the FS. However, use of activated carbon and zero valent iron technologies to promote anaerobic biodegradation are also retained technologies for the FS.

3.5.2 Recommendations from the Data Gap Evaluation

As a result of the conclusions above, AECOM does not recommend advancement of additional borings/monitoring wells prior to completion of the FS Report for the following reasons:

- The available data have adequately demonstrated that the groundwater environment is highly variable across the site and that the heterogeneity has the potential to influence the flow of groundwater and migration of contaminants.

- Additional drilling will only refine that understanding incrementally at the selected locations. To achieve a sufficient density of data to adequately characterize the heterogeneities of the site would require drilling in poorly accessible areas such as within the operating facilities and on neighboring properties.

- The magnitude of VOC concentrations (almost all recent concentrations less than 1 mg/L TCE across the site) does not indicate the presence of dense non-aqueous liquid (DNAPL) or other high concentrations of TCE or other CVOCs.

- Trend plots of TCE concentrations, recently completed using data from 2017 to January 2024, indicate only two isolated points with increasing TCE concentrations.

- Based on the data gap evaluation and additional pilot test sampling, it is recommended that development of the FS Report continue. Remedial technologies should be selected that can be applied at limited locations at the Site. Remedial actions should be focused on the likely source areas and known flow paths, while having a broader impact by utilizing existing groundwater flow paths to remediate downgradient residual contamination.

In the FS Report, it will be stated that additional monitoring wells to evaluate the effectiveness of the implemented remedy will be installed prior to the first remedial injection event.

3.5.3 FS Report Status

Here are highlights of the current status of the development of the FS Report:

- Draft **Figure 3-4** and draft **Figure 3-5** indicate the areas of the site planned for treatment.

- The following alternatives have been assembled for detailed analysis in the FS:
    - Alternative 1: Monitored natural attenuation (MNA) of groundwater and land use controls (LUCs)
    - Alternative 2: Targeted ISCO of main building groundwater source area, targeted injections of chemical oxidant in five outside shallow zone groundwater areas and two intermediate zone areas; MNA and LUCs
    - Alternative 3: Targeted chemical oxidation of main building groundwater source area, targeted injections of combined organic carbon substrate/zero valent iron (ZVI) in five outside shallow zone groundwater areas and two intermediate zone areas, MNA and LUCs
    - Alternative 4: Targeted chemical oxidation of main building groundwater source area, flow through barrier wall injections comprised of combined organic substrate/ZVI/PAC (powdered activated carbon), in five outside shallow zone groundwater areas and two intermediate zone areas; MNA and LUCs

Completion of the draft FS Report is currently scheduled for late March or early April 2024.

4.0 REFERENCES

AECOM, 2018. Remedial Investigation Report, AECOM, November 2018.

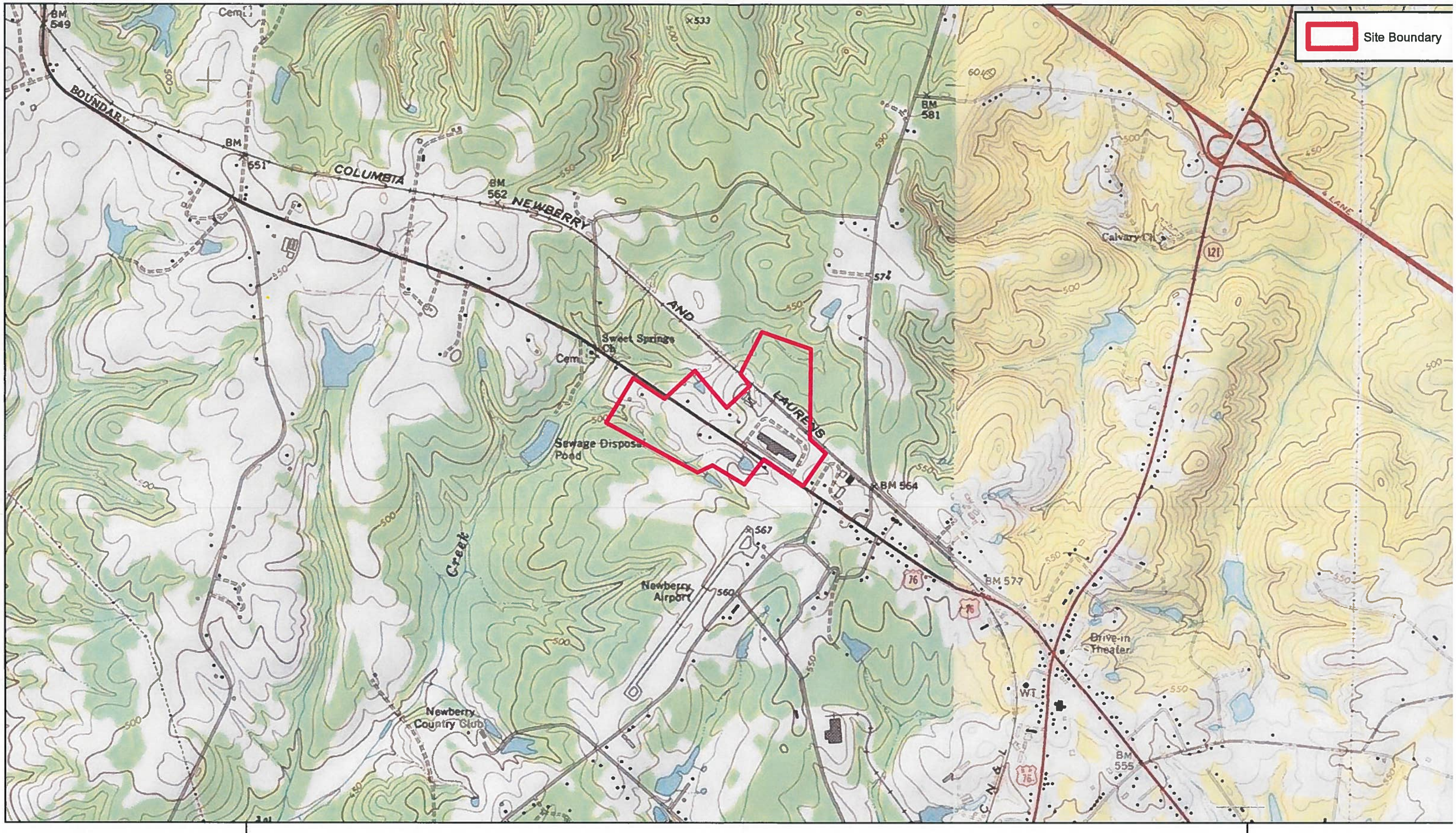
AECOM, 2019. Feasibility Study Work Plan, AECOM, May 2019.

AECOM, 2020. Pilot Study Work Plan, AECOM, October 2020.

AECOM 2023a. Pilot Study Report, AECOM, May 2023.

AECOM 2023b. Site-Wide Groundwater Monitoring Report, AECOM, May 2023.

FIGURES



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101 Research Drive
Columbia, SC 29203-9389
T: (803) 254-4400 F: (803) 771-6676

Figure 1-1: Site Location Map

Shakespeare Composition Structures
Newberry, South Carolina

Project No.: 60635197; Prepared by: KA; Date: 9/10/20

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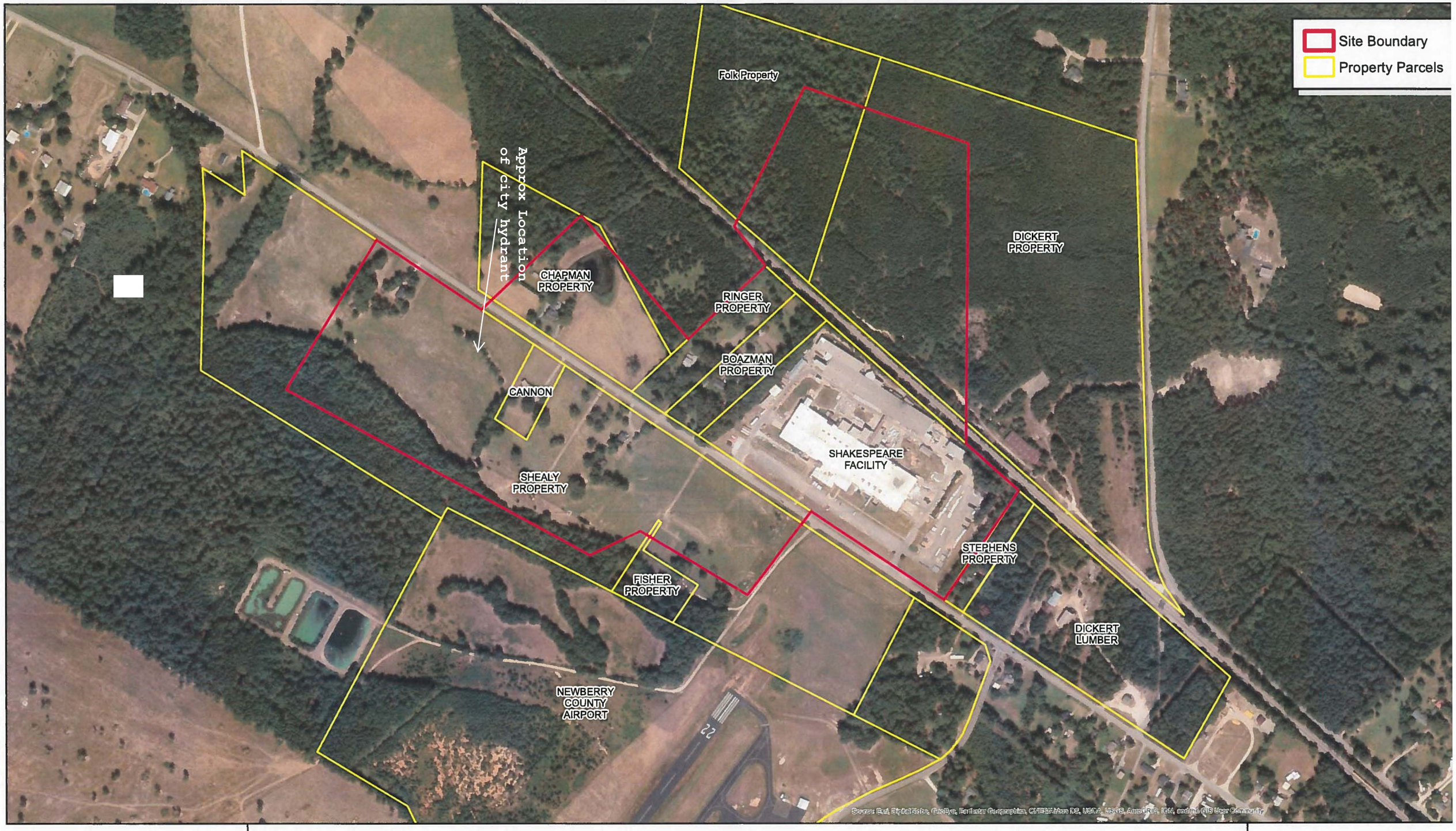

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101 Research Drive
Columbia, SC 29203-9389
T: (803) 254-4400 F: (803) 771-6676

Figure 1-2: Site Plan

Shakespeare Composition Structures
Newberry, South Carolina

Project No.: 60635197; Prepared by: KA; Date: 09/10/20

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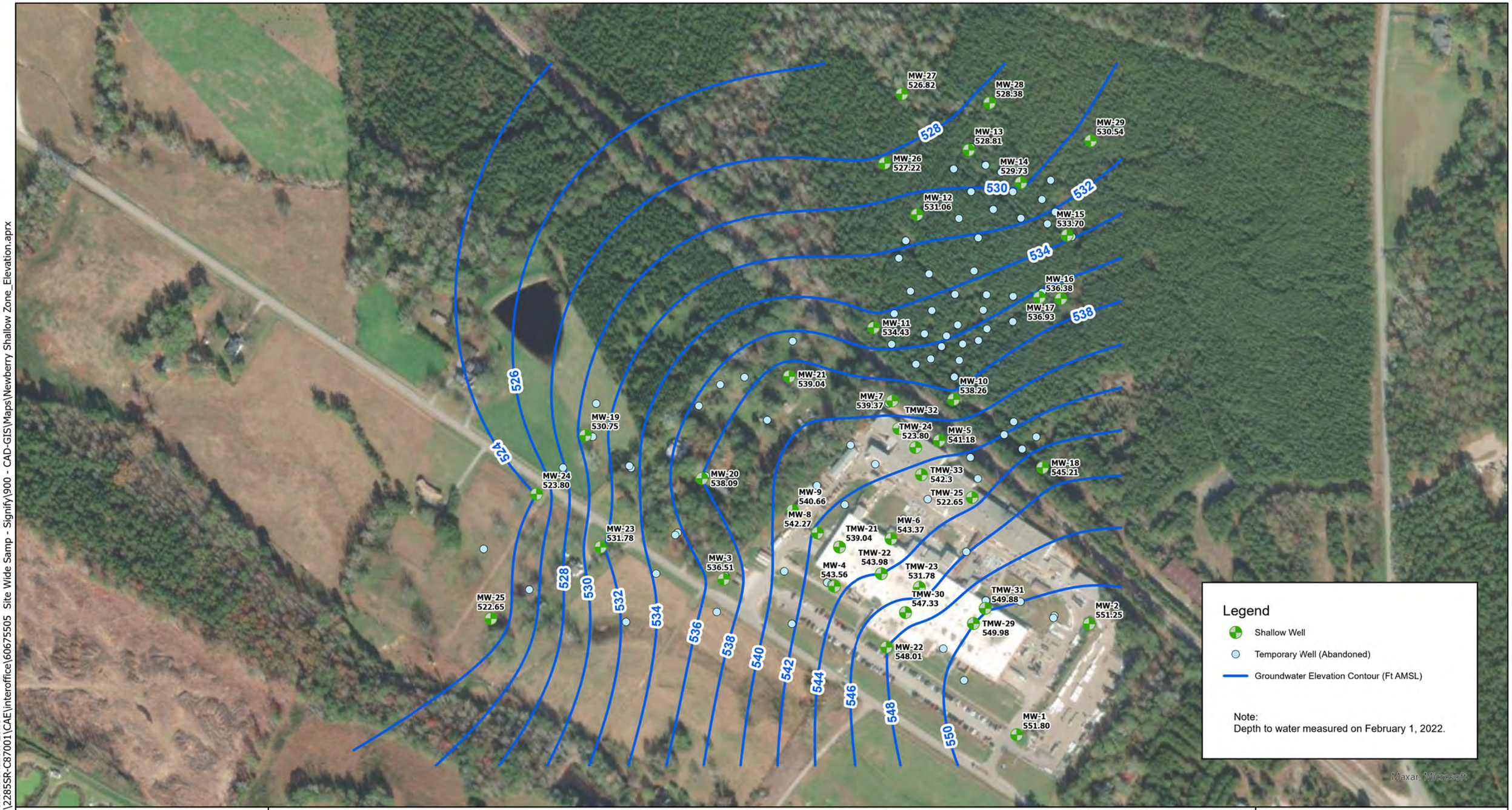

Figure 1-3
Wells and Elevation in Shallow Zone

Shakespeare Composition Structures
Newberry, South Carolina
Project Number: 60704227

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Name: Figure 1-3 Wells and Elevations in Shallow Zone
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AECOM

Figure 1-4
Wells and Elevations in Intermediate Zone

Shakespeare Composition Structures
Newberry, South Carolina
Project Number: 60704227

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Name: Figure 1-4 Wells and Elevations in the Intermediate Zone
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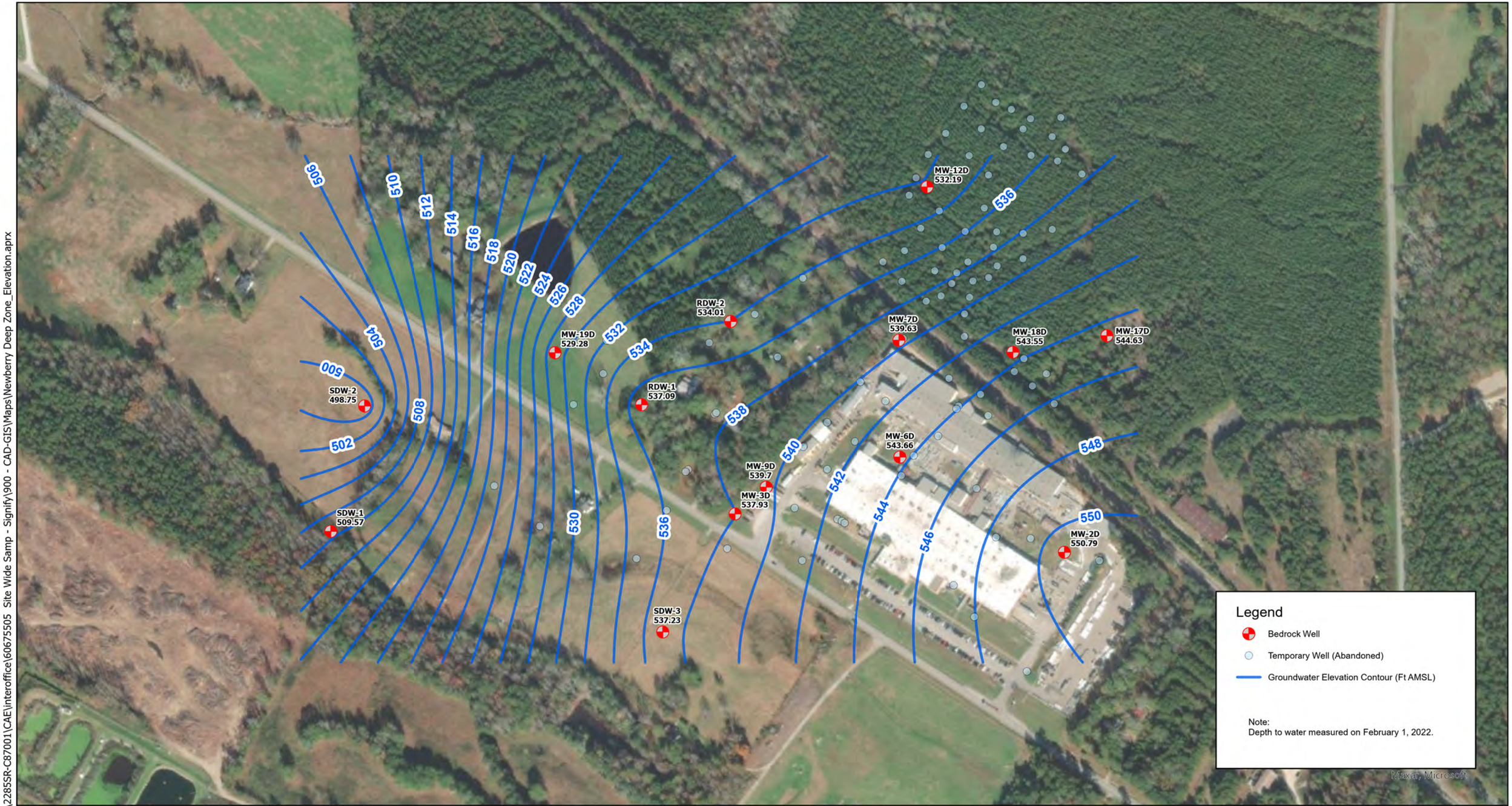

AECOM

Figure 1-5
Wells and Elevations in Bedrock Zone

Shakespeare Composition Structures
Newberry, South Carolina
Project Number: 60704227

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Name: Figure 1-5 Wells and Elevations in Bedrock Zone
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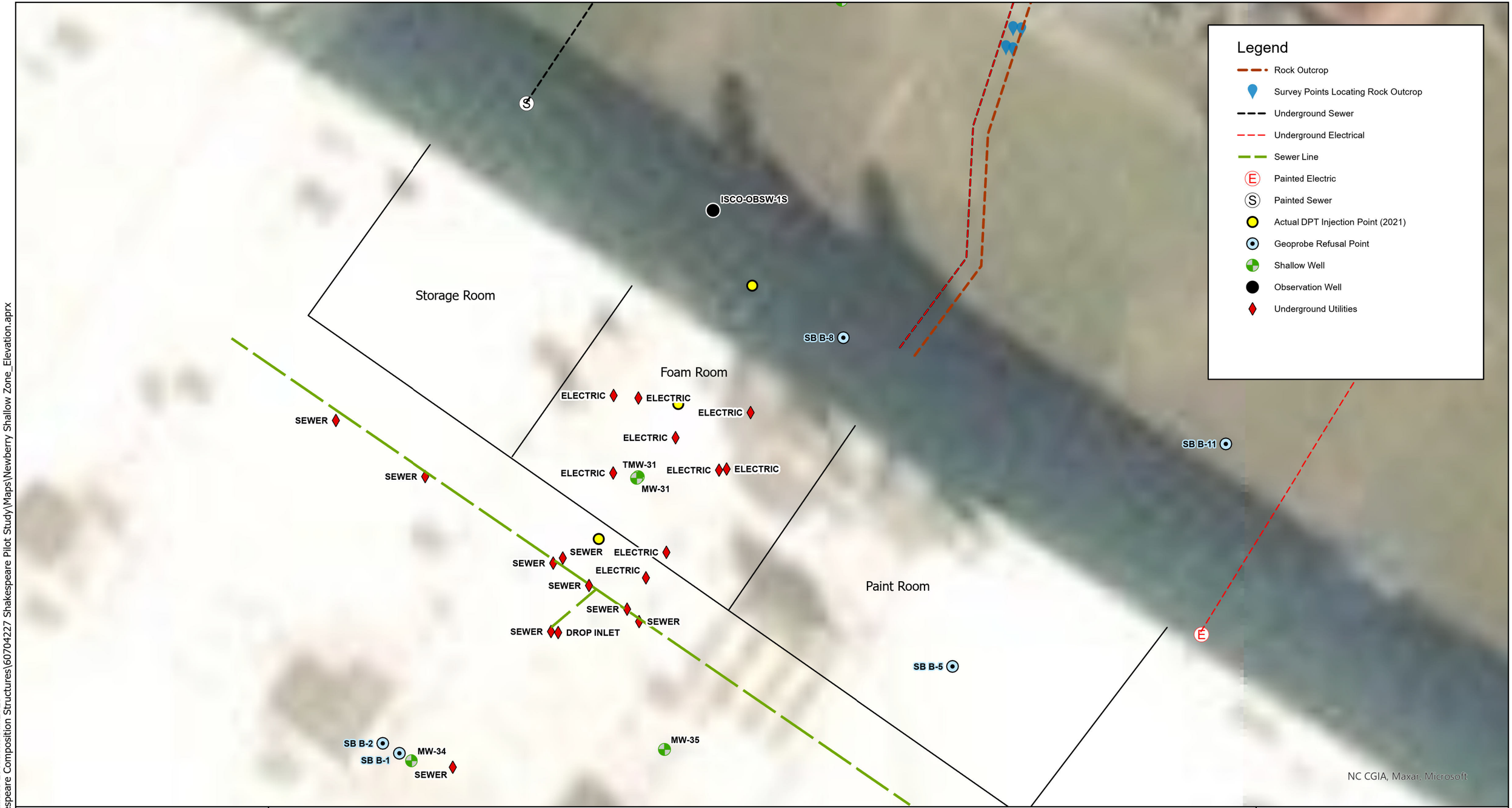

Figure 2-1A
Location of Underground Utilities - East End of Main Building
June and September 2023

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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Name: Figure 2-1A Underground Utilities Locations Jun2023
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Path: L:\Legacy\Group\earth\Shakespeare Composition Structures\60704227 Shakespeare Pilot Study\Maps\Newberry Shallow Zone_Elevation.aprx

AECOM

Figure 2-1B
Location of Underground Utilities - Inside and Outside of Main Building
June and September 2023

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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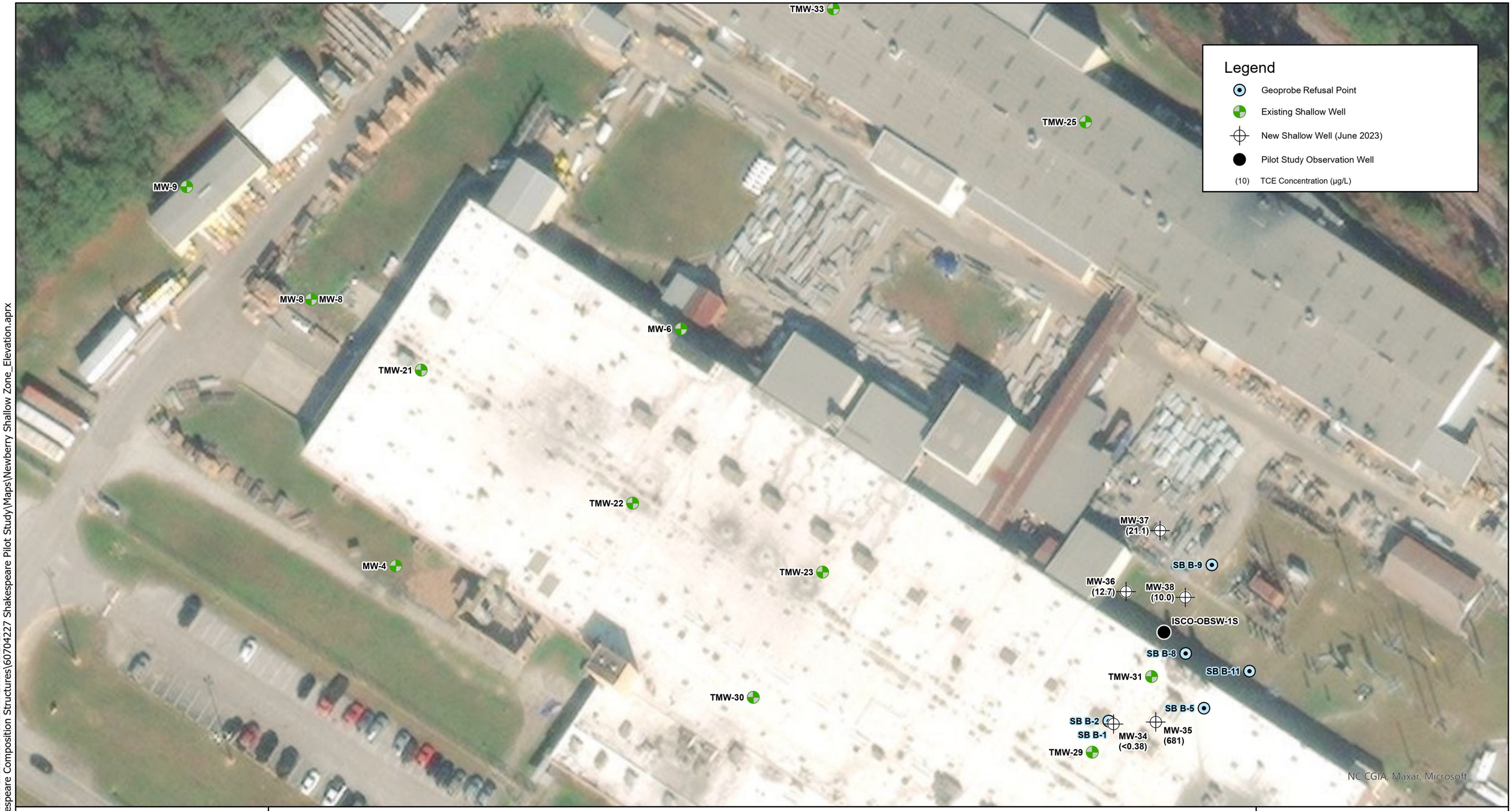

AECOM

Figure 2-2
New Monitoring Wells Installed in Shallow Zone
June 2023

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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Name: Figure 2-2 New Monitoring Wells Installed in Shallow Zone Jun2023
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AECOM

Figure 2-3
TCE in ISCO Pilot Study Area Groundwater
Shallow Zone - Update September 2023

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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Name: Figure 2-3 TCE in ISCO Pilot Study Area Groundwater Shallow Zone Sept2023
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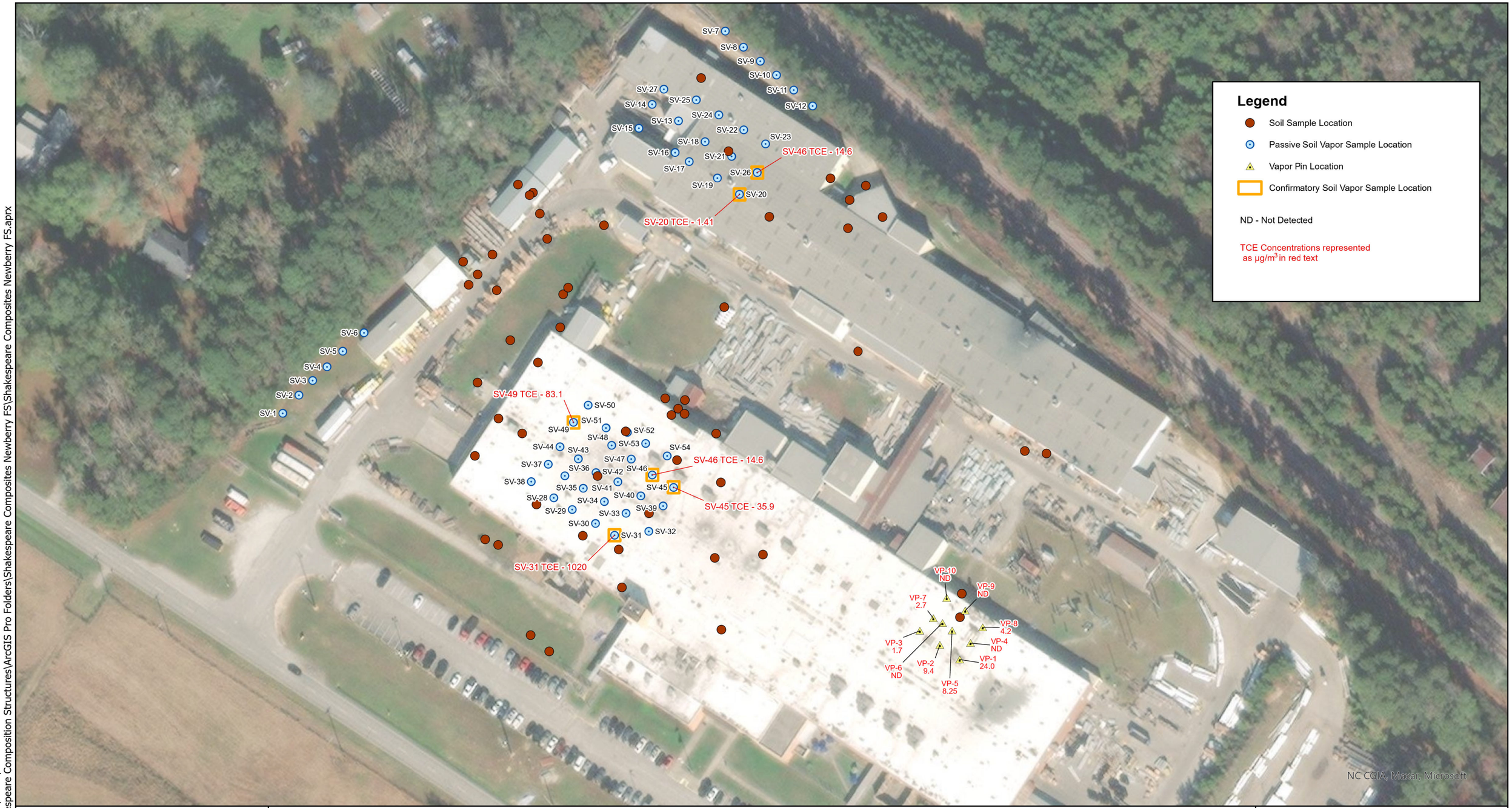

Figure 2-4
TCE in Subslab Vapor
Updated September 2023

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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Name: Figure 2-4 TCE in Subslab Vapor Sep2023
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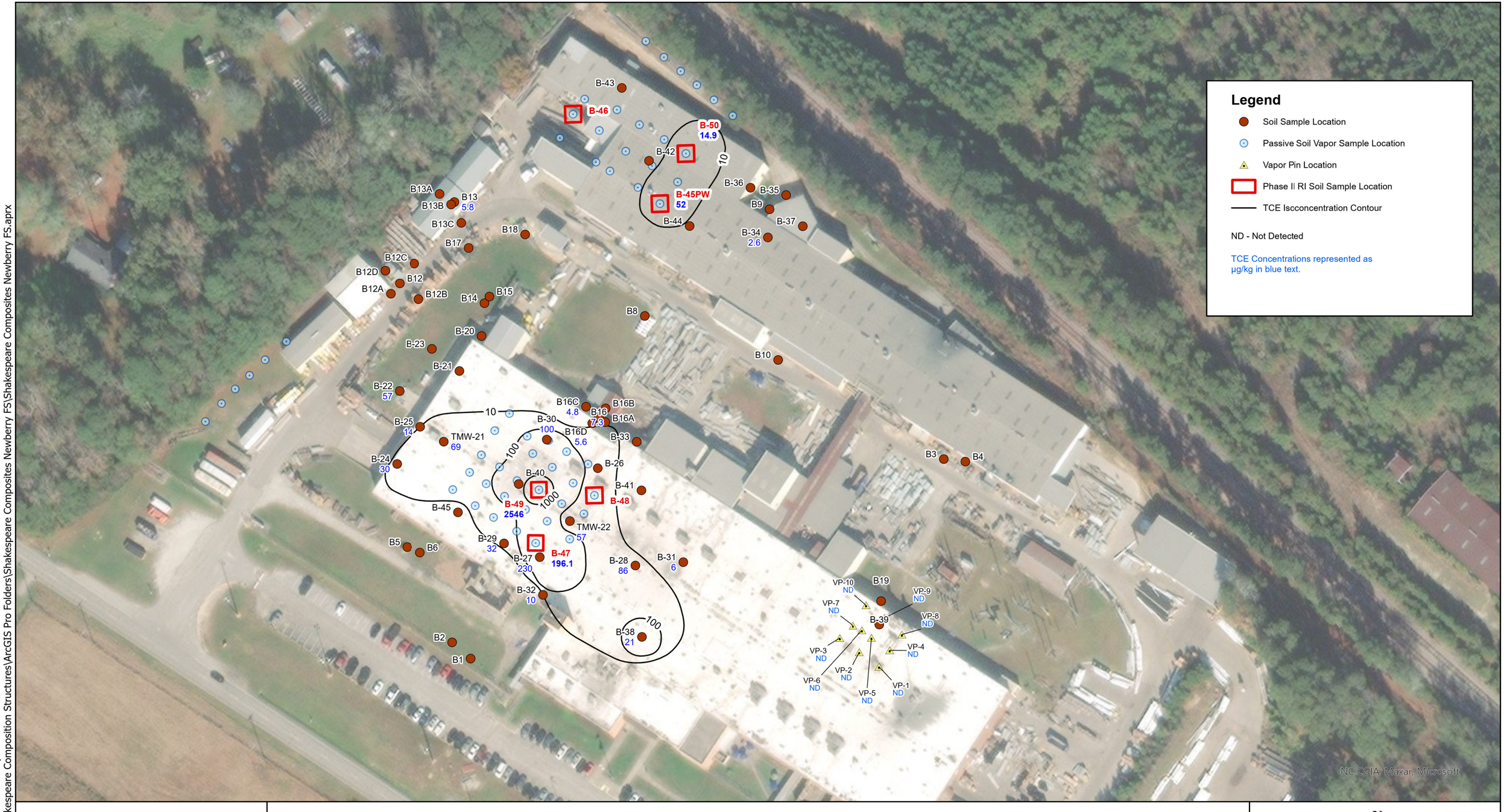

Figure 2-5
TCE in Subsurface (2-10') Soils
Updated September 2023

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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Name: Figure 2-5 TCE in Subsurface Soils Sep2023
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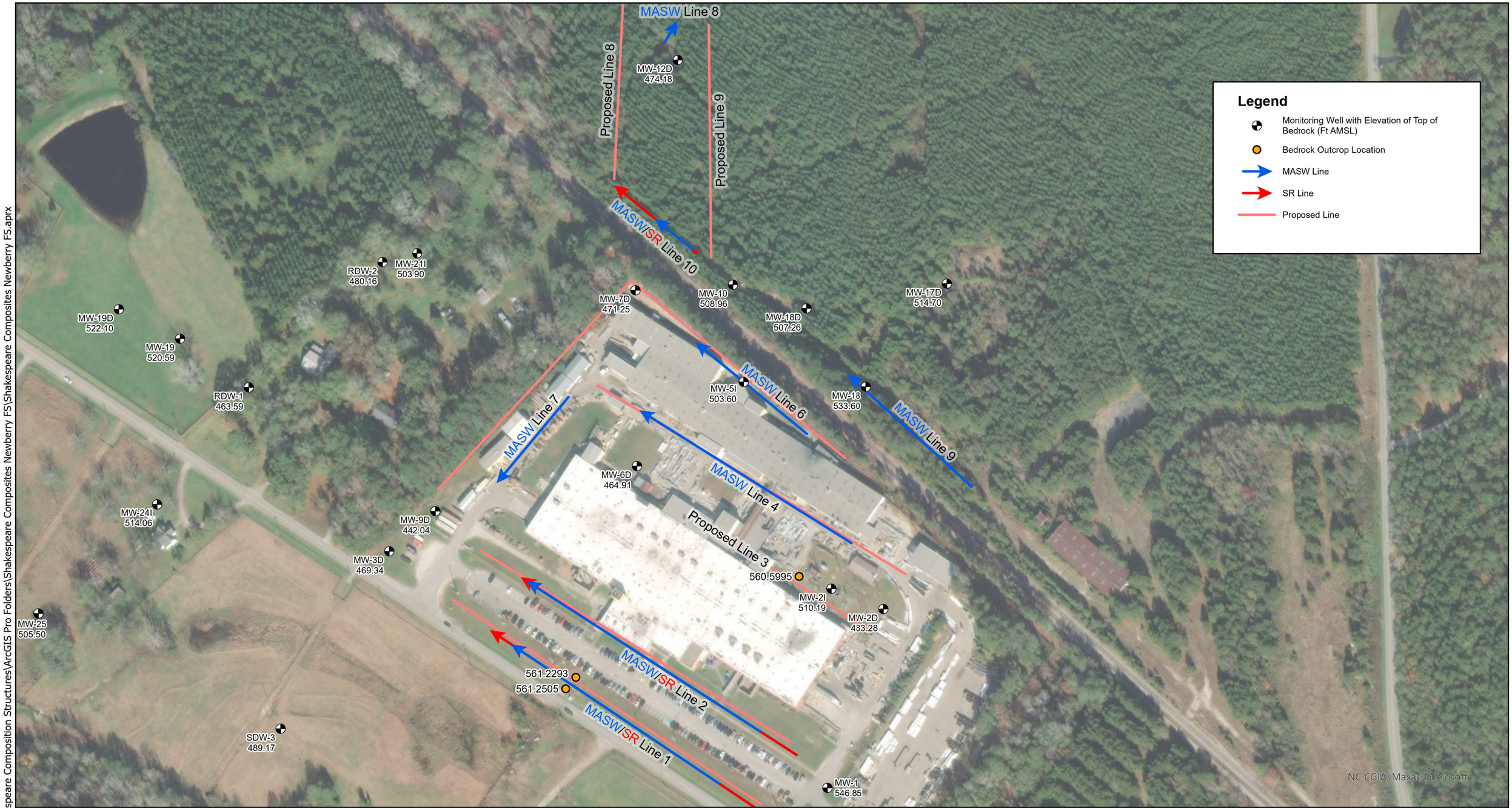

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Figure 2-6
Seismic Survey Location Map
November 2023

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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Name: Figure 2-6 Seismic Survey Nov2023
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Name: Figure 2-7A TCE Concentrations in Shallow Zone_Update Trends Jan2024
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AECOM

Figure 2-7A
TCE in Shallow Zone
Update Trends January 2024 - Selected MW-Series Wells for Mann Kendall Trend Plot Elevations

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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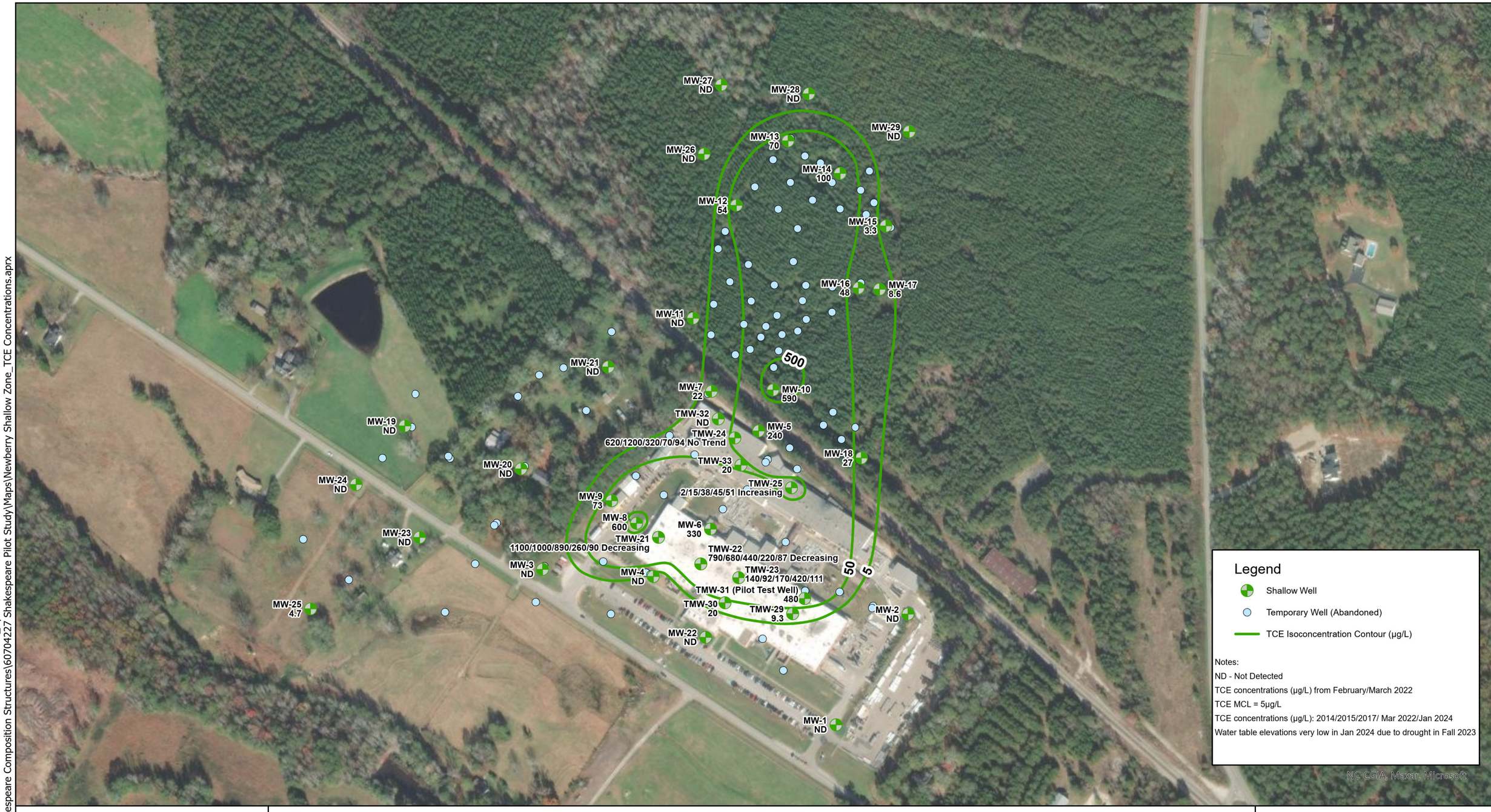

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Figure 2-7B
TCE in Shallow Zone
Update Trends January 2024 - Selected TMW-Series Wells for Mann Kendall Trend Plot Elevations

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

Name: Figure 2-7B TCE Concentrations in Shallow Zone TMW Series Wells_Update Trends Jan2024
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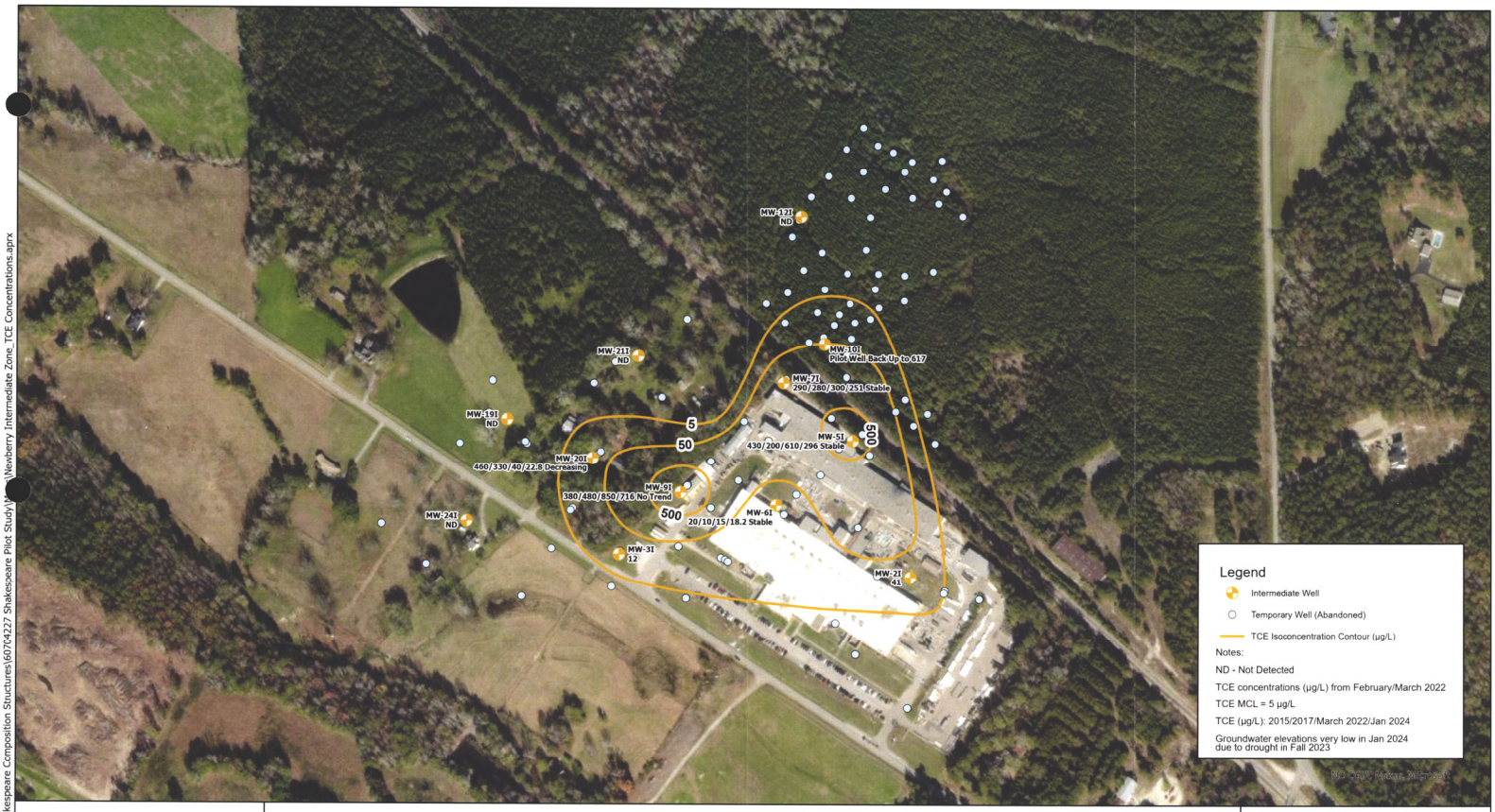

Figure 2-8
TCE in Intermediate Zone
Update Trends January 2024 - Selected Wells for Mann Kendall Trend Plot Evaluations

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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Name: Figure 2-8 TCE Concentrations in Intermediate Zone
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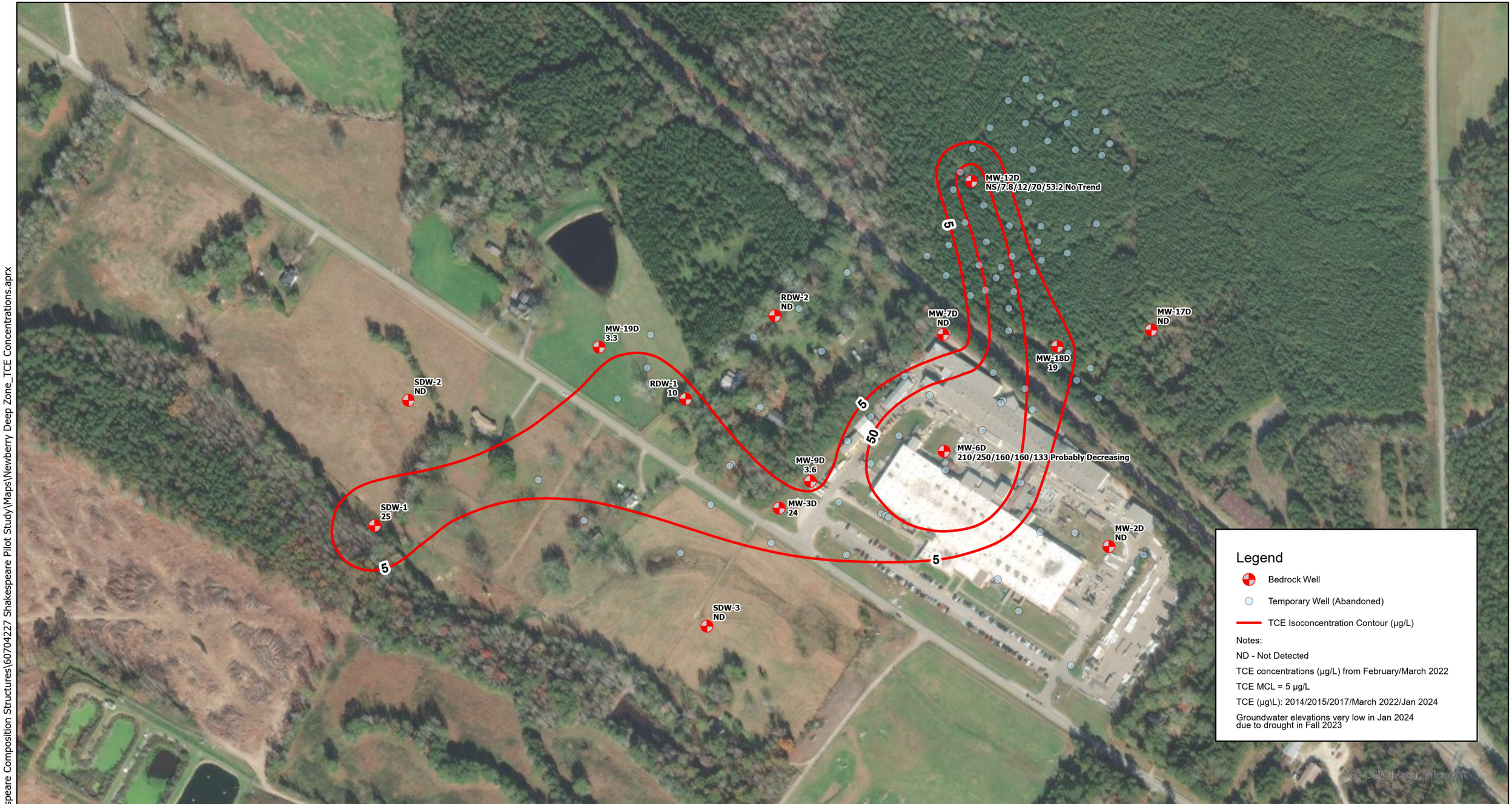

AECOM

Figure 2-9
TCE in Bedrock Zone
Update Trends January 2024 - Selected Wells for Mann Kendall Trend Plot Evaluations

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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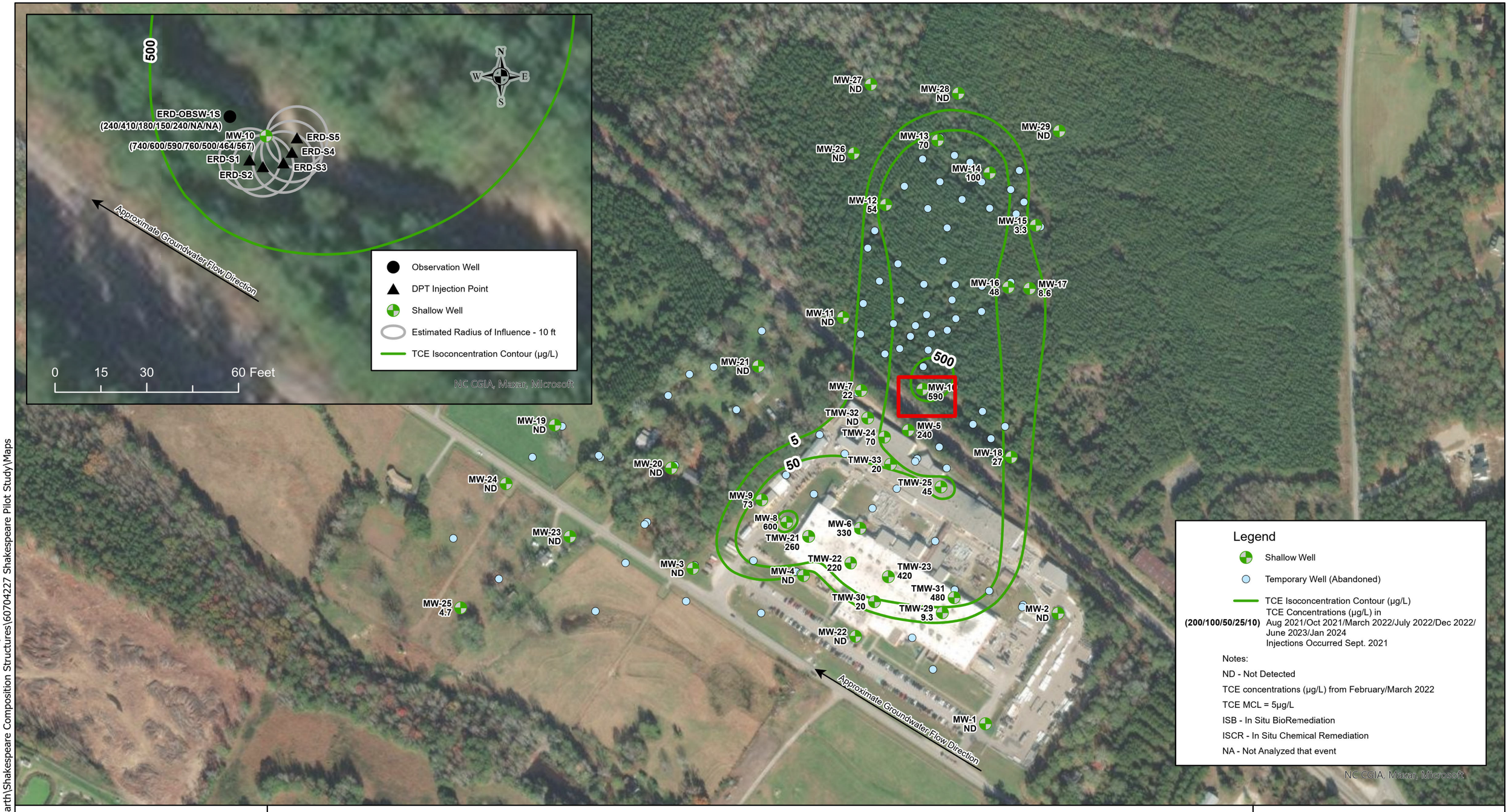

Name: Figure 2-10 TCE in Enhanced Reductive Dechlorination Pilot Study Area Groundwater Shallow Zone
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Figure 2-10
TCE in Enhanced Reductive Dechlorination Pilot Study Area Groundwater Shallow Zone - Update January 2024

Shakespeare Composite Structures
Newberry, South Carolina
Project No: 60721186

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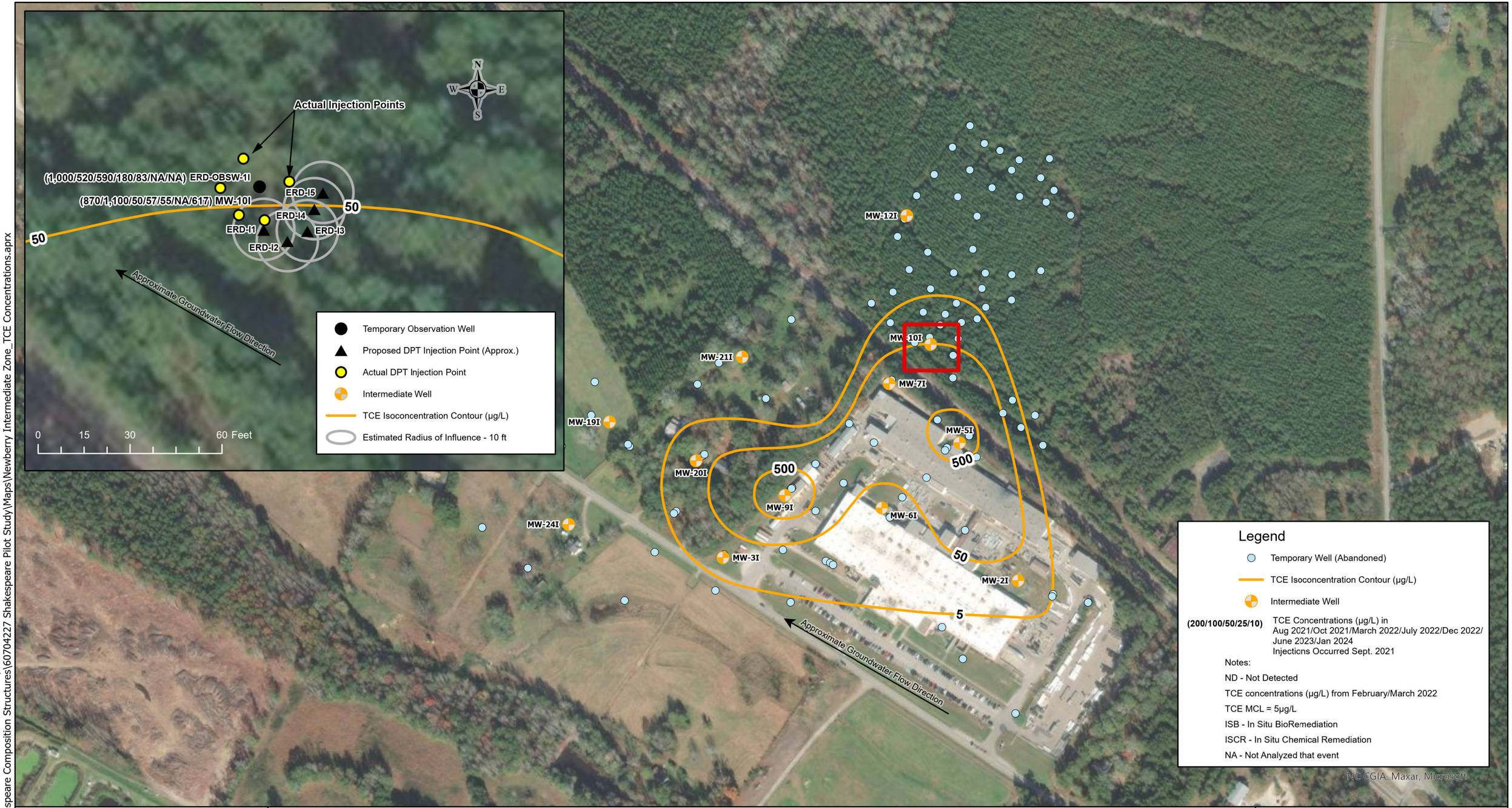

Figure 2-11
TCE in Enhanced Reductive Dechlorination Pilot Study Area Groundwater Intermediate Zone - Update January 2024

Shakespeare Composite Structures
Newberry, South Carolina
Project No: 60721186

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Name: Figure 2-11 Enhanced Reductive Dechlorination Pilot Study Results ISB and ISCR Intermed Zone
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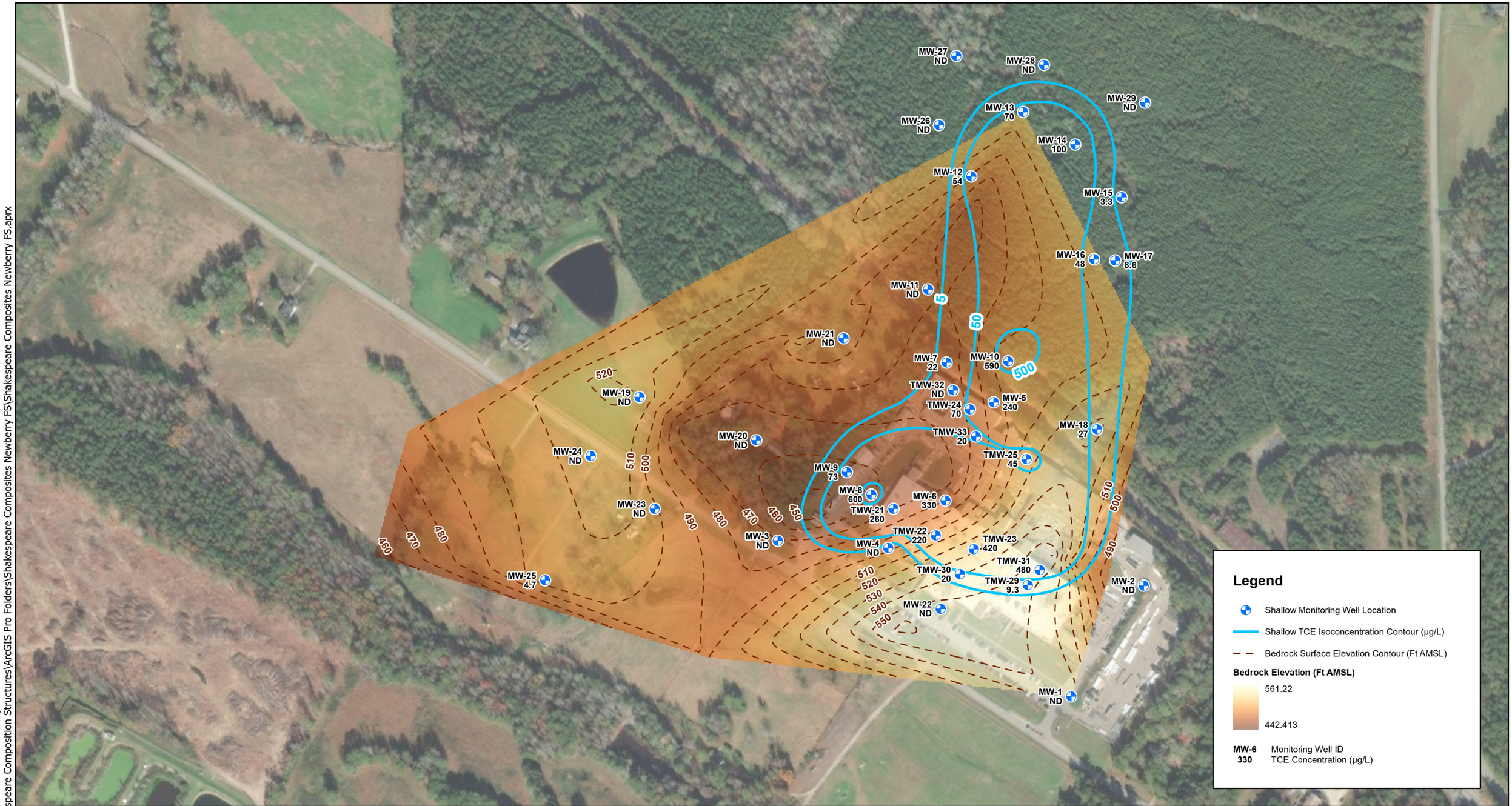

Name: Figure 3-1 Bedrock Surface Contour Elevation Map
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Figure 3-1
Bedrock Contour Surface Elevation Map with TCE Concentrations in Shallow Groundwater (DRAFT)

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

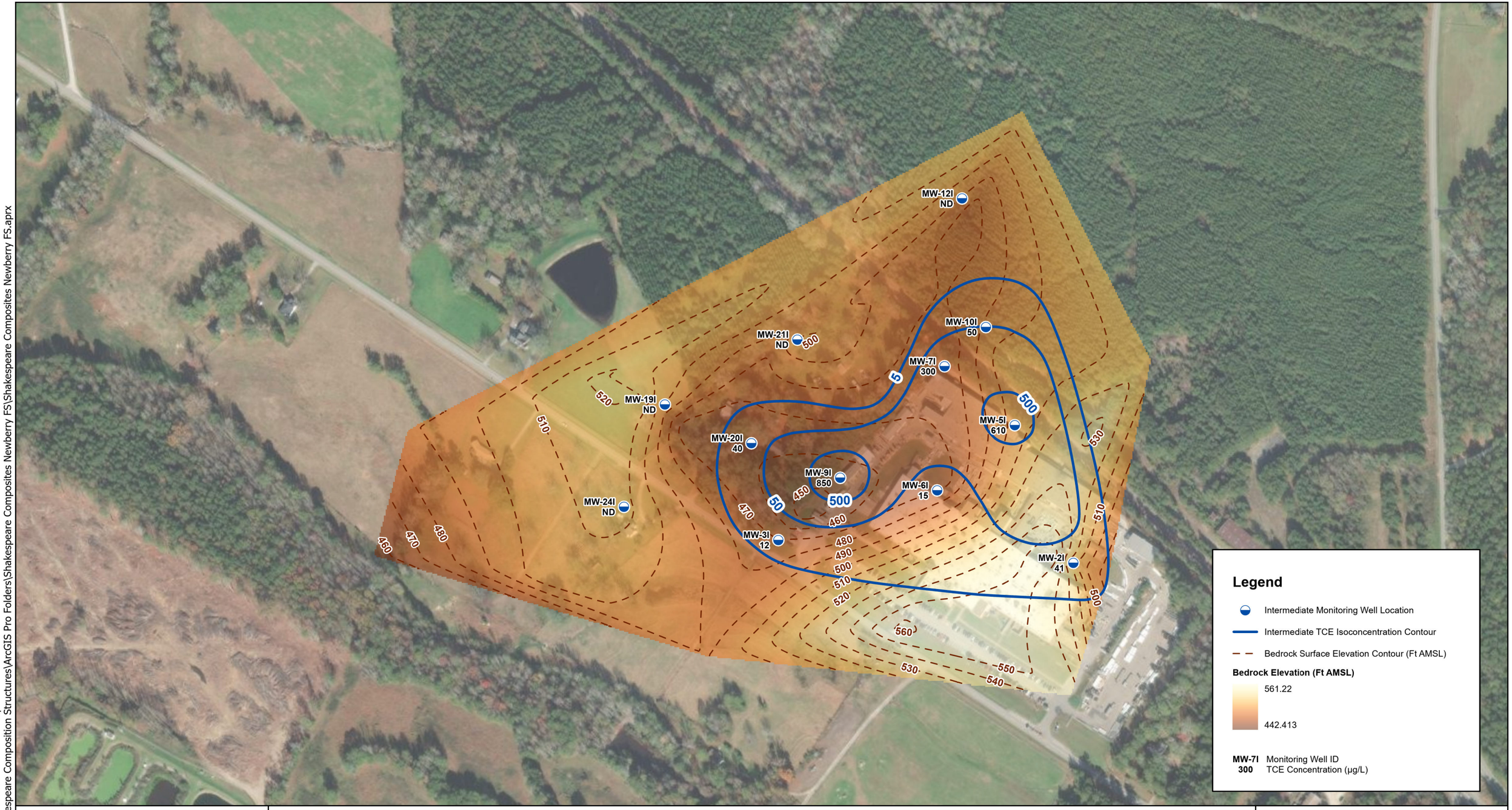

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Figure 3-2
Bedrock Contour Surface Elevation Map with TCE Concentrations in Intermediate Groundwater Zone (DRAFT)

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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Name: Figure 3-2 Bedrock Surface Contour Elevation Map
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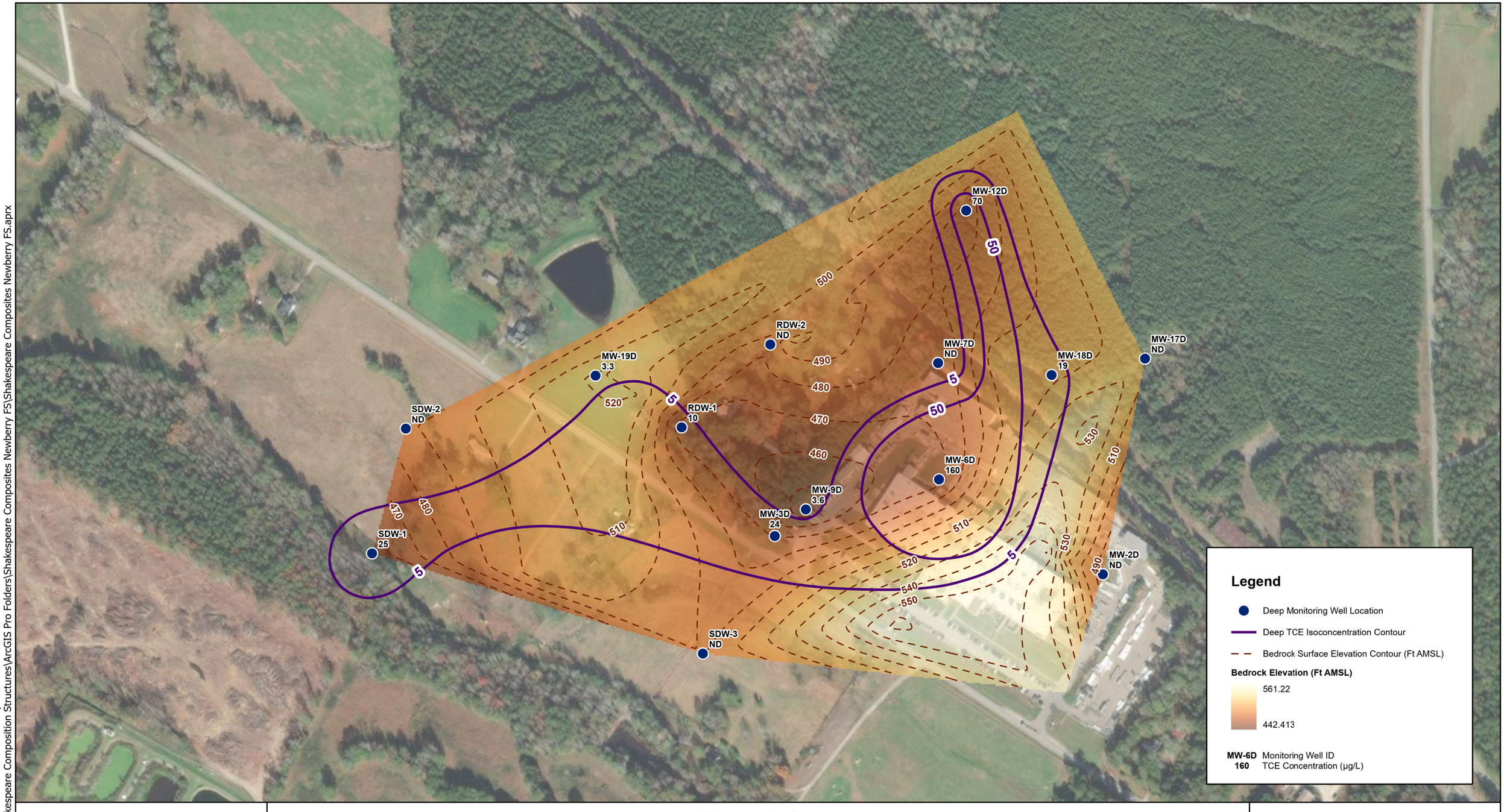

Name: Figure 3-3 Bedrock Surface Contour Elevation Map
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Figure 3-3
Bedrock Contour Surface Elevation Map with TCE Concentrations in Deep Groundwater Zone (DRAFT)

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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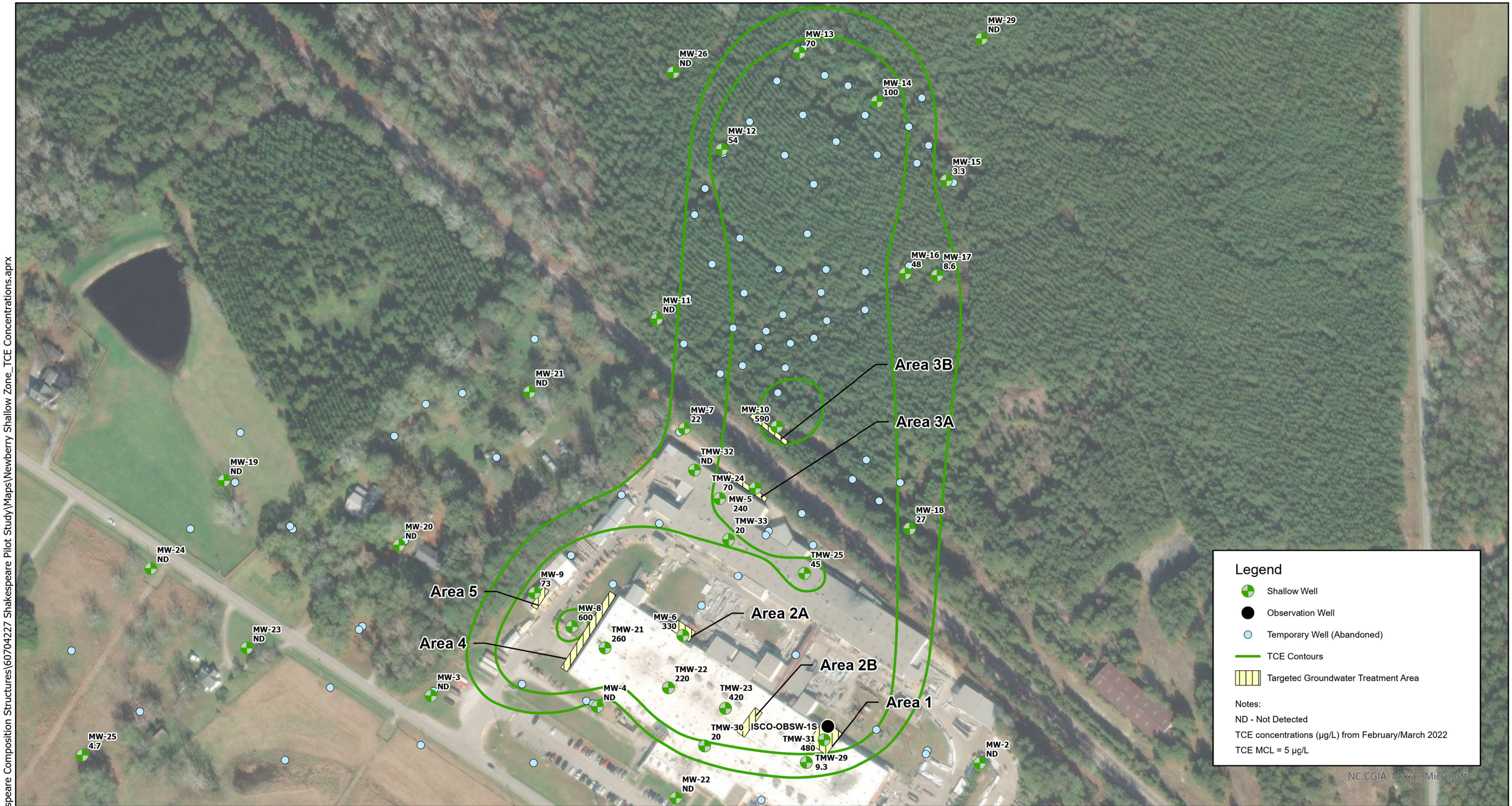

Name: Figure 3-4 FS Targeted Groundwater Treatment Areas - Shallow Zone
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AECOM

Figure 3-4
Feasibility Study Targeted Groundwater Treatment Areas
Shallow Zone

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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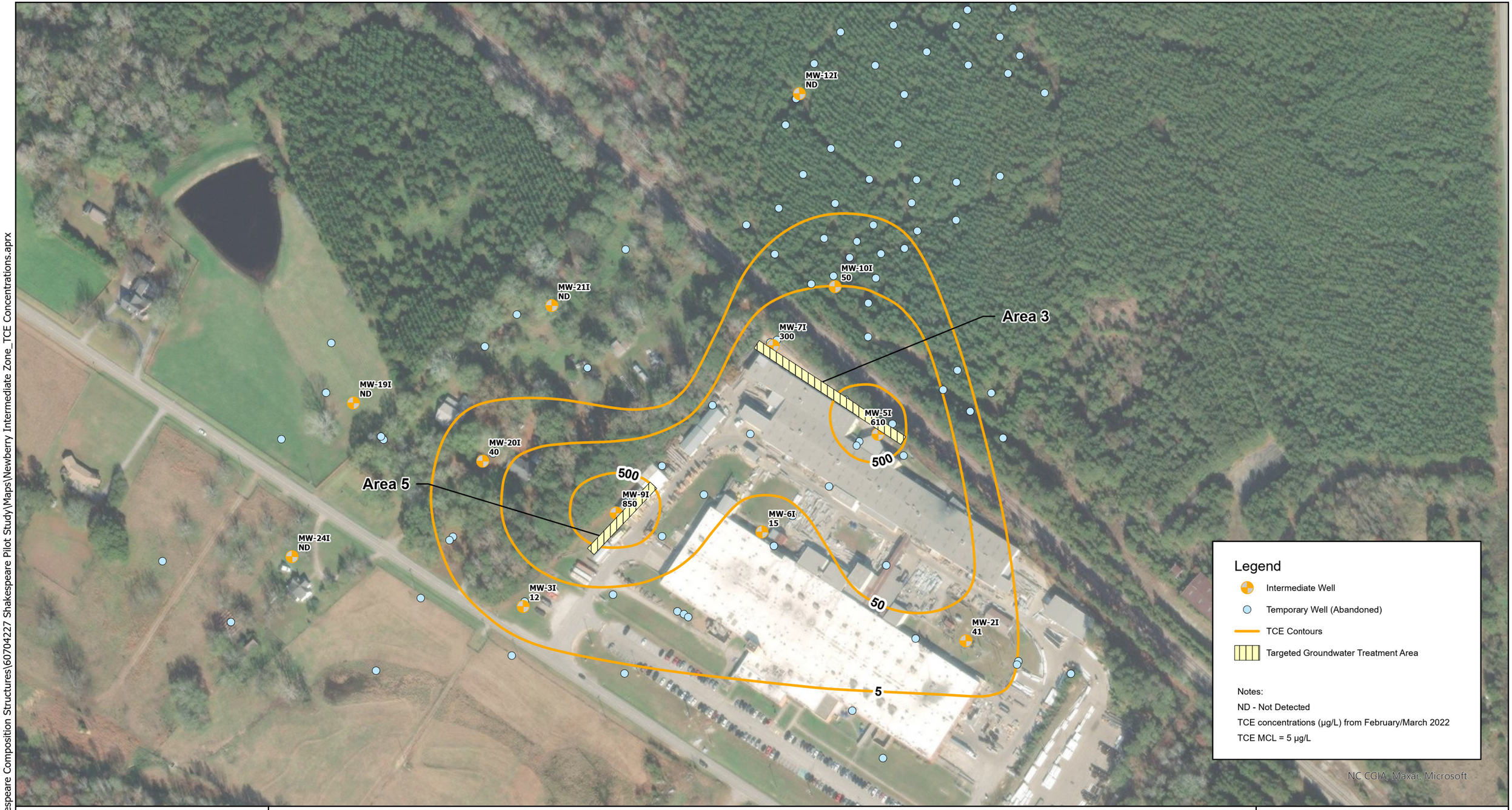

Figure 3-5
Feasibility Study Targeted Groundwater Treatment Areas
Intermediate Zone

Shakespeare Composite Structures
Newberry, South Carolina
Project Number: 60721186

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Name: Figure 3-5 FS Targeted Groundwater Greatment Areas - Intermediate Zone
Path: L:\Legacy\Group\earth\Shakespeare Composition Structures\60704227 Shakespeare Pilot Study\Maps\Newberry Intermediate Zone_TCE Concentrations.aprx

TABLES

Table 2-1
Monitoring Well Sample Results – June 2023 to January 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		SHALLOW MONITORING WELLS											
		Main Building						Main Building					
Sample ID		**MW-5-PDB**	**MW-8-PDB**	**MW-9-PDB**	**MW-34**	**MW-35**	**MW-36**	**MW-37**	**MW-38**	**TMW-21**	**TMW-22**	**TMW-23**	**TMW-31**
Laboratory ID	USEPA	92706733008	92706733018	92706733019						92706733004	92706733003	92706733002	92690805001	92706733001
Date Collected	MCL	01/02/24	01/03/24	01/03/24	06/08/23	06/08/23	06/08/23	06/08/23	06/08/23	01/02/24	01/02/24	01/02/24	09/29/23	01/02/24
Volatile Organic Compounds by USEPA Method 8260B (µg/L)														
1,1,1,2-Tetrachloroethane	NS	< 0.62	< 0.78	< 0.31	NA	NA	NA	NA	NA	< 0.31	< 0.31	< 0.31	< 3.9	< 0.31
1,1,1-Trichloroethane	200	< 0.66	< 0.83	< 0.33	< 0.33	< 1.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 4.2	< 0.33
1,1,2,2-Tetrachloroethane	NS	< 0.45	< 0.56	< 0.22	< 0.22	< 1.1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 2.8	< 0.22
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5	< 0.65	< 0.81	< 0.32	< 0.32	< 1.6	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 4.1	< 0.32
1,1,2-Trichlorotrifluoroethane	NS	NA	NA	NA	< 0.32	< 1.6	< 0.32	< 0.32	< 0.32	NA	NA	NA	NA	NA
1,1-Dichloroethane	NS	< 0.73	< 0.92	< 0.37	< 0.37	< 1.8	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 4.6	< 0.37
1,1-Dichloroethene	7	< 0.7	**3.1**	< 0.35	< 0.35	< 1.7	< 0.35	< 0.35	< 0.35	**6.3**	**2.2**	< 0.35	< 4.4	< 0.35
1,1-Dichloropropene	NS	< 0.85	< 1.1	< 0.43	NA	NA	NA	NA	NA	< 0.43	< 0.43	< 0.43	< 5.3	< 0.43
1,2,3-Trichlorobenzene	NS	< 1.6	< 2	< 0.81	< 0.81	< 4	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 10.1	< 0.81
1,2,3-Trichloropropane	NS	< 0.52	< 0.65	< 0.26	NA	NA	NA	NA	NA	< 0.26	< 0.26	< 0.26	< 3.3	< 0.26
1,2,4-Trichlorobenzene	70	< 1.3	< 1.6	< 0.64	< 0.64	< 3.2	< 0.64	< 0.64	< 0.64	< 0.64	< 0.64	< 0.64	< 8	< 0.64
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 0.68	< 0.85	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 4.2	< 0.34
1,2-Dibromoethane (EDB)	0.05	NA	NA	NA	< 0.27	< 1.4	< 0.27	< 0.27	< 0.27	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600	< 0.68	< 0.85	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 4.2	< 0.34
1,2-Dichloroethane	5	**< 0.64**	< 0.8	< 0.32	< 0.32	< 1.6	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 4	< 0.32
1,2-Dichloropropane	5	< 0.71	< 0.89	< 0.36	< 0.36	< 1.8	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 4.4	< 0.36
1,3-Dichlorobenzene	NS	< 0.68	< 0.85	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 4.2	< 0.34
1,3-Dichloropropane	NS	< 0.57	< 0.71	< 0.28	NA	NA	NA	NA	NA	< 0.28	< 0.28	< 0.28	< 3.6	< 0.28
1,4-Dichlorobenzene	75	< 0.67	< 0.83	< 0.33	< 0.33	< 1.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 4.2	< 0.33
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	< 38.7	< 194	< 38.7	< 38.7	< 38.7	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	< 0.78	< 0.97	< 0.39	NA	NA	NA	NA	NA	< 0.39	< 0.39	< 0.39	< 4.8	< 0.39
2-Butanone (MEK)	NS	< 7.9	< 9.9	< 4	< 4	< 19.8	< 4	< 4	< 4	< 4	< 4	< 4	< 49.5	< 4
2-Chlorotoluene	NS	< 0.64	< 0.8	< 0.32	NA	NA	NA	NA	NA	< 0.32	< 0.32	< 0.32	< 4	< 0.32
2-Hexanone	NS	< 0.95	< 1.2	< 0.48	< 0.48	< 2.4	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 6	< 0.48
4-Chlorotoluene	NS	< 0.65	< 0.81	< 0.32	NA	NA	NA	NA	NA	< 0.32	< 0.32	< 0.32	< 4	< 0.32
4-Methyl-2-pentanone	NS	< 5.4	< 6.8	< 2.7	< 2.7	< 13.6	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 33.9	< 2.7
Acetone	NS	**128**	**394**	**223**	**43**	< 25.6	**24.7 J**	< 5.1	< 5.1	< 5.1	**19 J**	**18.1 J**	< 63.9	< 5.1
Benzene	5	< 0.69	< 0.86	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 4.3	< 0.34
Bromobenzene	NS	< 0.58	< 0.72	< 0.29	NA	NA	NA	NA	NA	< 0.29	< 0.29	< 0.29	< 3.6	< 0.29
Bromochloromethane	NS	< 0.94	< 1.2	< 0.47	< 0.47	< 2.3	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 5.8	< 0.47
Bromodichloromethane	80 [1]	< 0.61	< 0.77	< 0.31	< 0.31	< 1.5	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 3.8	< 0.31
Bromoform	80 [1]	< 0.68	< 0.85	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 4.3	< 0.34
Bromomethane (Methyl bromide)	NS	< 3.3	< 4.2	< 1.7	< 1.7	< 8.3	< 1.7	< 1.7 U,v3	< 1.7	< 1.7	< 1.7	< 1.7	< 20.8	< 1.7
Carbon disulfide	NS	NA	NA	NA	< 0.73	< 3.6	< 0.73	< 0.73	< 0.73	NA	NA	NA	NA	NA
Carbon tetrachloride	5	< 0.67	< 0.83	< 0.33	< 0.33	< 1.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 4.2	< 0.33
Chlorobenzene	100	< 0.57	< 0.71	< 0.28	< 0.28	< 1.4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 3.6	< 0.28
Chloroethane	NS	< 1.3	< 1.6	< 0.65	< 0.65	< 3.2	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 8.1	< 0.65
Chloroform	80 [1]	< 0.86	< 1.1	< 0.43	< 0.43	< 2.2	**0.57 J**	< 0.43	**0.95 J**	< 0.43	< 0.43	**4.3**	< 5.4	< 0.43
Chloromethane (Methyl chloride)	NS	< 1.1	< 1.4	< 0.54	< 0.54	< 2.7	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 6.8	< 0.54
cis-1,2-Dichloroethene	70	< 0.77	**130**	**4.5**	< 0.38	**6.6**	< 0.38	< 0.38	< 0.38	**146**	**19.2**	**0.49 J**	**14.8**	< 0.38
cis-1,3-Dichloropropene	NS	< 0.73	< 0.91	< 0.36	< 0.36	< 1.8	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 4.6	< 0.36
Cyclohexane	NS	NA	NA	NA	< 0.35	< 1.8	< 0.35	< 0.35	< 0.35	NA	NA	NA	NA	NA
Dibromochloromethane	80 [1]	< 0.72	< 0.9	< 0.36	< 0.36	< 1.8	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 4.5	< 0.36
Dibromomethane	NS	< 0.79	< 0.98	< 0.39	NA	NA	NA	NA	NA	< 0.39	< 0.39	< 0.39	< 4.9	< 0.39
Dichlorodifluoromethane	NS	< 0.69	< 0.86	< 0.35	< 0.35	< 1.7	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 4.3	< 0.35
Diisopropyl ether	NS	< 0.62	< 0.77	< 0.31	NA	NA	NA	NA	NA	< 0.31	< 0.31	< 0.31	< 3.8	< 0.31
Ethylbenzene	700	< 0.61	< 0.76	< 0.3	**0.59 J**	< 1.5	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 3.8	< 0.3
Hexachloro-1,3-butadiene	NS	< 3.1	< 3.8	< 1.5	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1.5	< 19.1	< 1.5
Isopropylbenzene	NS	NA	NA	NA	< 0.33	< 1.7	< 0.33	< 0.33	< 0.33	NA	NA	NA	NA	NA
m&p-Xylene	10,000	< 1.4	< 1.8	< 0.71	< 0.71	< 3.5	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 8.9	< 0.71
Methyl acetate	NS	NA	NA	NA	< 2.4	< 12	< 2.4	< 2.4	< 2.4	NA	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	NS	< 0.84	< 1.1	< 0.42	< 0.42	< 2.1	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 5.3	< 0.42
Methylcyclohexane	NS	NA	NA	NA	< 1.5	< 7.6	< 1.5	< 1.5	< 1.5	NA	NA	NA	NA	NA
Methylene chloride	5	< 3.9	< 4.9	< 2	< 2	**19 J,C9**	< 2	< 2	< 2	< 2	< 2	< 2	< 24.4	< 2
Naphthalene	NS	< 1.3	< 1.6	< 0.64	NA	NA	NA	NA	NA	< 0.64	< 0.64	< 0.64	< 8.1	< 0.64
o-Xylene	10,000	< 0.68	< 0.84	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 4.2	< 0.34
p-Isopropyltoluene	NS	< 0.83	< 1	< 0.41	NA	NA	NA	NA	NA	< 0.41	< 0.41	< 0.41	< 5.2	< 0.41
Styrene	100	< 0.58	< 0.73	< 0.29	**109**	**22**	**6.5**	**9.9**	**1.1**	**0.57 J**	< 0.29	**2.4**	< 3.6	< 0.29
Tetrachloroethene	5	< 0.58	< 0.73	< 0.29	< 0.29	< 1.5	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 3.6	< 0.29
Toluene	1000	< 0.97	< 1.2	< 0.48	0.63 J	< 2.4	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 6.1	< 0.48
trans-1,2-Dichloroethene	100	< 0.79	**5.9**	< 0.4	< 0.4	< 2	< 0.4	< 0.4	< 0.4	**4.2**	**0.49 J**	< 0.4	< 5	< 0.4
trans-1,3-Dichloropropene	NS	< 0.73	< 0.91	< 0.36	< 0.36	< 1.8	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 4.5	< 0.36
Trichloroethene (TCE)	5	**210**	**412**	**44.8**	< 0.38	**681**	**12.7**	**21.1**	**10**	**90.1**	**86.9**	**111**	**1810**	**1.1**
Trichlorofluoromethane	NS	< 0.6	< 0.74	< 0.3	< 0.3	< 1.5	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 3.7	< 0.3
Vinyl acetate	NS	< 2.6	< 3.3	< 1.3	NA	NA	NA	NA	NA	< 1.3	< 1.3	< 1.3	< 16.4	< 1.3
Vinyl chloride	2	< 0.77	< 0.96	< 0.39	< 0.39	< 1.9	< 0.39	< 0.39	< 0.39	**1.1**	< 0.39	< 0.39	< 4.8	< 0.39
Xylenes (total)	10000	< 0.68	< 0.84	< 0.34	NA	NA	NA	NA	NA	< 0.34	< 0.34	< 0.34	< 4.2	< 0.34

Table 2-1
Monitoring Well Sample Results – June 2023 to January 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		SHALLOW MONITORING WELLS												
		Main Building						Main Building						
Sample ID		**MW-5-PDB**	**MW-8-PDB**	**MW-9-PDB**	**MW-34**	**MW-35**	**MW-36**	**MW-37**	**MW-38**	**TMW-21**	**TMW-22**	**TMW-23**	**TMW-31**	
Laboratory ID	USEPA	92706733008	92706733018	92706733019						92706733004	92706733003	92706733002	92690805001	92706733001
Date Collected	MCL	01/02/24	01/03/24	01/03/24	06/08/23	06/08/23	06/08/23	06/08/23	06/08/23	01/02/24	01/02/24	01/02/24	09/29/23	01/02/24
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)														
Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)														
Alkalinity	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)														
Chloride	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)														
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)														
Ethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)														
TOC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microbial														
Dehalococcoides	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.

Table 2-1
Monitoring Well Sample Results – June 2023 to January 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		SHALLOW MONITORING WELLS							INTERMEDIATE MONITORING WELLS						DEEP MONITORING WELLS	
		Pole Winder Building		Dickert Property					Facility				Dickert Property	Boazman Property	Facility	Dickert Property
Sample ID		**TMW-24**	**TMW-25**	**MW-10**	**MW-10-PDB**	**MW-12-PDB**	**MW-14-PDB**	**MW-16-PDB**	**MW-5I-PDB**	**MW-6I-PDB**	**MW-7I-PDB**	**MW-9I-PDB**	**MW-10I-PDB**	**MW-20I-PDB**	**MW-6D-PDB**	**MW-12D-PDB**
Laboratory ID	USEPA	92706733005	92706733006		92706733016	92706733014	92706733015	92706733012	92706733007	92706733010	92706733009	92706733020	92706733017	92706733021	92706733011	92706733013
Date Collected	MCL	01/02/24	01/02/24	06/09/23	01/03/24	01/03/24	01/03/24	01/03/24	01/02/24	01/02/24	01/02/24	01/03/24	01/03/24	01/03/24	01/02/24	01/03/24
Volatile Organic Compounds by USEPA Method 8260B (µg/L)																
1,1,1,2-Tetrachloroethane	NS	< 0.31	< 0.31	NA	< 1.2	< 0.31	< 0.31	< 0.31	< 1.6	< 0.62	< 0.62	< 1.6	< 1.2	< 0.31	< 0.31	< 0.62
1,1,1-Trichloroethane	200	< 0.33	< 0.33	< 1.3	< 1.3	< 0.33	< 0.33	< 0.33	< 1.7	< 0.66	< 0.66	< 1.7	< 1.3	< 0.33	< 0.33	< 0.66
1,1,2,2-Tetrachloroethane	NS	< 0.22	< 0.22	< 0.9	< 0.9	< 0.22	< 0.22	< 0.22	< 1.1	< 0.45	< 0.45	< 1.1	< 0.9	< 0.22	< 0.22	< 0.45
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	5	< 0.32	< 0.32	< 1.3	< 1.3	< 0.32	< 0.32	< 0.32	< 1.6	< 0.65	< 0.65	< 1.6	< 1.3	< 0.32	< 0.32	< 0.65
1,1,2-Trichlorotrifluoroethane	NS	NA	NA	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NS	**0.61 J**	< 0.37	< 1.5	< 1.5	**0.38 J**	< 0.37	< 0.37	< 1.8	< 0.73	**2.1**	< 1.8	< 1.5	< 0.37	< 0.37	< 0.73
1,1-Dichloroethene	7	< 0.35	< 0.35	< 1.4	< 1.4	**0.62 J**	< 0.35	< 0.35	< 1.7	< 0.7	**3.7**	< 1.7	< 1.4	< 0.35	< 0.35	< 0.7
1,1-Dichloropropene	NS	< 0.43	< 0.43	NA	< 1.7	< 0.43	< 0.43	< 0.43	< 2.1	< 0.85	< 0.85	< 2.1	< 1.7	< 0.43	< 0.43	< 0.85
1,2,3-Trichlorobenzene	NS	< 0.81	< 0.81	< 3.2	< 3.2	< 0.81	< 0.81	< 0.81	< 4	< 1.6	< 1.6	< 4	< 3.2	< 0.81	< 0.81	< 1.6
1,2,3-Trichloropropane	NS	< 0.26	< 0.26	NA	< 1	< 0.26	< 0.26	< 0.26	< 1.3	< 0.52	< 0.52	< 1.3	< 1	< 0.26	< 0.26	< 0.52
1,2,4-Trichlorobenzene	70	< 0.64	< 0.64	< 2.6	< 2.6	< 0.64	< 0.64	< 0.64	< 3.2	< 1.3	< 1.3	< 3.2	< 2.6	< 0.64	< 0.64	< 1.3
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 0.34	< 0.34	< 1.4	< 1.4	< 0.34	< 0.34	< 0.34	< 1.7	< 0.68	< 0.68	< 1.7	< 1.4	< 0.34	< 0.34	< 0.68
1,2-Dibromoethane (EDB)	0.05	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600	< 0.34	< 0.34	< 1.4	< 1.4	< 0.34	< 0.34	< 0.34	< 1.7	< 0.68	< 0.68	< 1.7	< 1.4	< 0.34	< 0.34	< 0.68
1,2-Dichloroethane	5	**0.37 J**	< 0.32	**3.2 J**	**3.1 J**	< 0.32	< 0.32	< 0.32	**2.8 J**	< 0.64	< 0.64	< 1.6	< 1.3	< 0.32	< 0.32	< 0.64
1,2-Dichloropropane	5	< 0.36	< 0.36	< 1.4	< 1.4	< 0.36	< 0.36	< 0.36	< 1.8	< 0.71	< 0.71	< 1.8	< 1.4	< 0.36	< 0.36	< 0.71
1,3-Dichlorobenzene	NS	< 0.34	< 0.34	< 1.4	< 1.4	< 0.34	< 0.34	< 0.34	< 1.7	< 0.68	< 0.68	< 1.7	< 1.4	< 0.34	< 0.34	< 0.68
1,3-Dichloropropane	NS	< 0.28	< 0.28	NA	< 1.1	< 0.28	< 0.28	< 0.28	< 1.4	< 0.57	< 0.57	< 1.4	< 1.1	< 0.28	< 0.28	< 0.57
1,4-Dichlorobenzene	75	< 0.33	< 0.33	< 1.3	< 1.3	< 0.33	< 0.33	< 0.33	< 1.7	< 0.67	< 0.67	< 1.7	< 1.3	< 0.33	< 0.33	< 0.67
1,4-Dioxane (p-Dioxane)	NS	NA	NA	< 155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	< 0.39	< 0.39	NA	< 1.6	< 0.39	< 0.39	< 0.39	< 1.9	< 0.78	< 0.78	< 1.9	< 1.6	< 0.39	< 0.39	< 0.78
2-Butanone (MEK)	NS	< 4	< 4	< 15.8	< 15.8	< 4	< 4	< 4	< 19.8	< 7.9	< 7.9	< 19.8	< 15.8	< 4	< 4	< 7.9
2-Chlorotoluene	NS	< 0.32	< 0.32	NA	< 1.3	< 0.32	< 0.32	< 0.32	< 1.6	< 0.64	< 0.64	< 1.6	< 1.3	< 0.32	< 0.32	< 0.64
2-Hexanone	NS	< 0.48	< 0.48	< 1.9	< 1.9	< 0.48	< 0.48	< 0.48	< 2.4	< 0.95	< 0.95	< 2.4	< 1.9	< 0.48	< 0.48	< 0.95
4-Chlorotoluene	NS	< 0.32	< 0.32	NA	< 1.3	< 0.32	< 0.32	< 0.32	< 1.6	< 0.65	< 0.65	< 1.6	< 1.3	< 0.32	< 0.32	< 0.65
4-Methyl-2-pentanone	NS	< 2.7	< 2.7	< 10.8	< 10.8	< 2.7	< 2.7	< 2.7	< 13.6	< 5.4	< 5.4	< 13.6	< 10.8	< 2.7	< 2.7	< 5.4
Acetone	NS	< 5.1	< 5.1	< 20.4	< 20.4	**47.3**	**259**	**92.2**	**1160**	**387**	**167**	**819**	< 20.4	**276**	**167**	**487**
Benzene	5	< 0.34	< 0.34	< 1.4	< 1.4	< 0.34	< 0.34	< 0.34	< 1.7	**2.1**	< 0.69	< 1.7	< 1.4	**0.53 J**	< 0.34	**2.1**
Bromobenzene	NS	< 0.29	< 0.29	NA	< 1.2	< 0.29	< 0.29	< 0.29	< 1.4	< 0.58	< 0.58	< 1.4	< 1.2	< 0.29	< 0.29	< 0.58
Bromochloromethane	NS	< 0.47	< 0.47	< 1.9	< 1.9	< 0.47	< 0.47	< 0.47	< 2.3	< 0.94	< 0.94	< 2.3	< 1.9	< 0.47	< 0.47	< 0.94
Bromodichloromethane	80 [1]	< 0.31	< 0.31	< 1.2	< 1.2	< 0.31	< 0.31	< 0.31	< 1.5	< 0.61	< 0.61	< 1.5	< 1.2	< 0.31	< 0.31	< 0.61
Bromoform	80 [1]	< 0.34	< 0.34	< 1.4	< 1.4	< 0.34	< 0.34	< 0.34	< 1.7	< 0.68	< 0.68	< 1.7	< 1.4	< 0.34	< 0.34	< 0.68
Bromomethane (Methyl bromide)	NS	< 1.7	< 1.7	< 6.6	< 6.6 U,IH	< 1.7	< 1.7	< 1.7	< 8.3	< 3.3	< 3.3	< 8.3	< 6.6	< 1.7	< 1.7	< 3.3
Carbon disulfide	NS	NA	NA	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	< 0.33	< 0.33	< 1.3	< 1.3	< 0.33	< 0.33	< 0.33	< 1.7	< 0.67	< 0.67	< 1.7	< 1.3	< 0.33	< 0.33	< 0.67
Chlorobenzene	100	< 0.28	< 0.28	< 1.1	< 1.1	< 0.28	< 0.28	< 0.28	< 1.4	< 0.57	< 0.57	< 1.4	< 1.1	< 0.28	< 0.28	< 0.57
Chloroethane	NS	< 0.65	< 0.65	< 2.6	< 2.6	< 0.65	< 0.65	< 0.65	< 3.2	< 1.3	< 1.3	< 3.2	< 2.6	< 0.65	< 0.65	< 1.3
Chloroform	80 [1]	< 0.43	< 0.43	< 1.7	< 1.7	< 0.43	< 0.43	< 0.43	< 2.2	< 0.86	< 0.86	< 2.2	< 1.7	< 0.43	< 0.43	< 0.86
Chloromethane (Methyl chloride)	NS	< 0.54	< 0.54	< 2.2	< 2.2	< 0.54	< 0.54	< 0.54	< 2.7	< 1.1	< 1.1	< 2.7	< 2.2	< 0.54	< 0.54	< 1.1
cis-1,2-Dichloroethene	70	**18.6**	< 0.38	**13.8**	**16**	**28.3**	< 0.38	< 0.38	< 1.9	**16.1**	**125**	**48.8**	**164**	**0.49 J**	< 0.38	**9.2**
cis-1,3-Dichloropropene	NS	< 0.36	< 0.36	< 1.5	< 1.5	< 0.36	< 0.36	< 0.36	< 1.8	< 0.73	< 0.73	< 1.8	< 1.5	< 0.36	< 0.36	< 0.73
Cyclohexane	NS	NA	NA	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	80 [1]	< 0.36	< 0.36	< 1.4	< 1.4	< 0.36	< 0.36	< 0.36	< 1.8	< 0.72	< 0.72	< 1.8	< 1.4	< 0.36	< 0.36	< 0.72
Dibromomethane	NS	< 0.39	< 0.39	NA	< 1.6	< 0.39	< 0.39	< 0.39	< 2	< 0.79	< 0.79	< 2	< 1.6	< 0.39	< 0.39	< 0.79
Dichlorodifluoromethane	NS	< 0.35	< 0.35	< 1.4	< 1.4	< 0.35	< 0.35	< 0.35	< 1.7	< 0.69	< 0.69	< 1.7	< 1.4	< 0.35	< 0.35	< 0.69
Diisopropyl ether	NS	< 0.31	< 0.31	NA	< 1.2	< 0.31	< 0.31	< 0.31	< 1.5	< 0.62	< 0.62	< 1.5	< 1.2	< 0.31	< 0.31	< 0.62
Ethylbenzene	700	< 0.3	< 0.3	< 1.2	< 1.2	< 0.3	< 0.3	< 0.3	< 1.5	< 0.61	< 0.61	< 1.5	< 1.2	< 0.3	< 0.3	< 0.61
Hexachloro-1,3-butadiene	NS	< 1.5	< 1.5	NA	< 6.1 U,IH	< 1.5	< 1.5	< 1.5	< 7.6	< 3.1	< 3.1	< 7.6	< 6.1	< 1.5	< 1.5	< 3.1
Isopropylbenzene	NS	NA	NA	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	10,000	< 0.71	< 0.71	< 2.8	< 2.8	< 0.71	< 0.71	< 0.71	< 3.5	< 1.4	< 1.4	< 3.5	< 2.8	< 0.71	< 0.71	< 1.4
Methyl acetate	NS	NA	NA	< 9.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tertiary butyl ether (MTBE)	NS	< 0.42	< 0.42	< 1.7	< 1.7	< 0.42	< 0.42	< 0.42	< 2.1	< 0.84	< 0.84	< 2.1	< 1.7	< 0.42	< 0.42	< 0.84
Methylcyclohexane	NS	NA	NA	< 6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	< 2	< 2	**15.1 J,C9**	< 7.8	< 2	< 2	< 2	< 9.8	< 3.9	< 3.9	< 9.8	< 7.8	< 2	< 2	< 3.9
Naphthalene	NS	< 0.64	< 0.64	NA	< 2.6	< 0.64	< 0.64	< 0.64	< 3.2	< 1.3	< 1.3	< 3.2	< 2.6	< 0.64	< 0.64	< 1.3
o-Xylene	10,000	< 0.34	< 0.34	< 1.4	< 1.4	< 0.34	< 0.34	< 0.34	< 1.7	< 0.68	**1.1 J**	< 1.7	< 1.4	< 0.34	< 0.34	< 0.68
p-Isopropyltoluene	NS	< 0.41	< 0.41	NA	< 1.7	< 0.41	< 0.41	< 0.41	< 2.1	< 0.83	< 0.83	< 2.1	< 1.7	< 0.41	< 0.41	< 0.83
Styrene	100	**0.39 J**	**13**	< 1.2	< 1.2	< 0.29	< 0.29	< 0.29	< 1.5	< 0.58	< 0.58	< 1.5	< 1.2	< 0.29	< 0.29	< 0.58
Tetrachloroethene	5	< 0.29	< 0.29	< 1.2	< 1.2	< 0.29	< 0.29	< 0.29	< 1.5	< 0.58	< 0.58	< 1.5	< 1.2	< 0.29	< 0.29	< 0.58
Toluene	1000	< 0.48	< 0.48	< 1.9	< 1.9	< 0.48	< 0.48	< 0.48	< 2.4	< 0.97	< 0.97	< 2.4	< 1.9	< 0.48	< 0.48	< 0.97
trans-1,2-Dichloroethene	100	< 0.4	< 0.4	< 1.6	**2.1 J**	< 0.4	< 0.4	< 0.4	< 2	< 0.79	**1.1 J**	< 2	< 1.6	< 0.4	< 0.4	< 0.79
trans-1,3-Dichloropropene	NS	< 0.36	< 0.36	< 1.5	< 1.5	< 0.36	< 0.36	< 0.36	< 1.8	< 0.73	< 0.73	< 1.8	< 1.5	< 0.36	< 0.36	< 0.73
Trichloroethene (TCE)	5	**93.8**	**51.9**	**464**	**567**	**50.2**	**139**	**67.8**	**296**	**18.2**	**251**	**716**	**617**	**22.8**	**133**	**53.2**
Trichlorofluoromethane	NS	< 0.3	< 0.3	< 1.2	< 1.2	< 0.3	< 0.3	< 0.3	< 1.5	< 0.6	< 0.6	< 1.5	< 1.2	< 0.3	< 0.3	< 0.6
Vinyl acetate	NS	< 1.3	< 1.3	NA	< 5.2	< 1.3	< 1.3	< 1.3	< 6.6	< 2.6	< 2.6	< 6.6	< 5.2	< 1.3	< 1.3	< 2.6
Vinyl chloride	2	**1.2**	< 0.39	< 1.5	< 1.5	< 0.39	< 0.39	< 0.39	< 1.9	< 0.77	< 0.77	< 1.9	< 1.5	< 0.39	< 0.39	< 0.77
Xylenes (total)	10000	< 0.34	< 0.34	NA	< 1.4	< 0.34	< 0.34	< 0.34	< 1.7	< 0.68	**1.1 J**	< 1.7	< 1.4	< 0.34	< 0.34	< 0.68

Table 2-1
Monitoring Well Sample Results – June 2023 to January 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		SHALLOW MONITORING WELLS							INTERMEDIATE MONITORING WELLS						DEEP MONITORING WELLS	
		Pole Winder Building		Dickert Property					Facility				Dickert Property	Boazman Property	Facility	Dickert Property
Sample ID		**TMW-24**	**TMW-25**	**MW-10**	**MW-10-PDB**	**MW-12-PDB**	**MW-14-PDB**	**MW-16-PDB**	**MW-5I-PDB**	**MW-6I-PDB**	**MW-7I-PDB**	**MW-9I-PDB**	**MW-10I-PDB**	**MW-20I-PDB**	**MW-6D-PDB**	**MW-12D-PDB**
Laboratory ID	USEPA	92706733005	92706733006		92706733016	92706733014	92706733015	92706733012	92706733007	92706733010	92706733009	92706733020	92706733017	92706733021	92706733011	92706733013
Date Collected	MCL	01/02/24	01/02/24	06/09/23	01/03/24	01/03/24	01/03/24	01/03/24	01/02/24	01/02/24	01/02/24	01/03/24	01/03/24	01/03/24	01/02/24	01/03/24
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)																
Iron	0.3 [2]	NA	NA	NA	**26.7**	NA	NA	NA	NA	NA	NA	NA	**2.03**	NA	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	**15.5**	NA	NA	NA	NA	NA	NA	NA	**0.141**	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)																
Alkalinity	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)																
Chloride	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)																
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)																
Ethane	NS	NA	NA	NA	< 5.9	NA	NA	NA	NA	NA	NA	NA	< 5.9	NA	NA	NA
Methane	NS	NA	NA	NA	**4720**	NA	NA	NA	NA	NA	NA	NA	**257**	NA	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	NA	< 5.7	NA	NA	NA	NA	NA	NA	NA	< 5.7	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)																
TOC	NS	NA	NA	NA	**52.2**	NA	NA	NA	NA	NA	NA	NA	**< 1**	NA	NA	NA
Microbial																
Dehalococcoides	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.

Table 2-2
Subslab Soil Vapor Data – 2018 and 2023 for Selected Compounds
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

Sample ID	USEPA RSL for Air		SV20	SV23	SV31	SV45	SV46	SV49
Laboratory ID			L977783-06	L977783-07	L977783-01	L977783-02	L977783-03	L977783-05
Date Collected	Residential	Industrial	03/13/2018	03/13/2018	03/13/2018	03/13/2018	03/13/2018	03/13/2018
Volatile Organic Compounds by USEPA TO15 (ug/m3)								
1,1,1-Trichloroethane	5200	22000	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	63	260	**13.3**	**8.07**	**3.28**	**1.98**	**1.59**	**2.01**
Benzene	0.36	1.6	**7.28**	**9.34**	**14.4**	**1.62**	**0.739**	**2.48**
Chloromethane	94	390	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	42	180	**1.78**	**1.07**	**307**	<0.793	<0.793	<0.793
Ethylbenzene	1.1	4.9	**8.74**	**188**	**8.11**	**2.18**	**1.35**	**4.12**
Isopropylbenzene	420	1800	**9.7**	**2.77**	<1.97	<0.983	<0.983	**2.84**
m&p-Xylene	100	440	**14.8**	**365**	**26.8**	**7.64**	**4.45**	**102**
Methylene Chloride	100	1200	NA	NA	NA	NA	NA	NA
o-Xylene	100	440	**4.99**	**62.3**	**8.11**	**2.17**	**1.54**	**48.8**
Tetrachloroethene	11	47	**3.99**	<1.36	**30.6**	**32.2**	**24.7**	**23.3**
Toluene	5200	22000	**10.3**	**158**	**42.1**	**7.28**	**5.76**	**17.9**
trans-1,2-Dichloroethene	42	180	<0.793	<0.793	**8.24**	<0.793	<0.793	<0.793
Trichloroethene	0.48	3	**1.41**	<1.07	**1020**	**35.9**	**14.6**	**83.1**
Vinyl Chloride	0.17	2.8	<0.511	<0.511	<1.02	<0.511	<0.511	<0.511
Xylene (Total)	100	440	NA	NA	NA	NA	NA	NA

Table 2-2
Subslab Soil Vapor Data – 2018 and 2023 for Selected Compounds
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

Sample ID	USEPA RSL		SV54	VP-1	VP-2	VP-3	VP-4	VP-5
Laboratory ID	for Air		L977783-04	92690806001	92690806002	92690806003	92690806004	92690806005
Date Collected	Residential	Industrial	03/13/2018	9/28/23	9/28/23	9/28/23	9/28/23	9/28/23
Volatile Organic Compounds by USEPA TO15 (ug/m3)								
1,1,1-Trichloroethane	5200	22000	NA	<0.4	<0.4	<0.4	<0.4	<0.4
1,2,4-Trimethylbenzene	63	260	**1.15**	**33.7**	**2.4**	**3.25**	**3.01**	**3.09**
Benzene	0.36	1.6	**0.689**	**4.25**	**1.77**	**2.43**	**2.41**	**1.81**
Chloromethane	94	390	NA	**0.717**	<0.213	<0.213	<0.213	<0.213
cis-1,2-Dichloroethene	42	180	<0.793	<0.311	<0.311	<0.311	<0.311	<0.311
Ethylbenzene	1.1	4.9	**1.1**	**14.4**	**3.2**	**4.64**	**4.21**	**3.91**
Isopropylbenzene	420	1800	<0.983	<0.382	<0.382	<0.382	<0.382	<0.382
m&p-Xylene	100	440	**3.55**	**56.8**	**12.2**	**19.3**	**16.4**	**16.7**
Methylene Chloride	100	1200	NA	<0.34	<0.34	**0.951**	<0.34	**2.19**
o-Xylene	100	440	**1.36**	**16.6**	**4.51**	**6.55**	**5.64**	**6.16**
Tetrachloroethene	11	47	**11.4**	**15.5**	**8.01**	**3.24**	**23.3**	**12.2**
Toluene	5200	22000	**3.73**	**14.8**	**9.98**	**10.4**	**13.7**	**8.36**
trans-1,2-Dichloroethene	42	180	<0.793	<0.267	<0.267	<0.267	<0.267	<0.267
Trichloroethene	0.48	3	**3.76**	**24**	**9.43**	**1.69**	<0.364	**8.25**
Vinyl Chloride	0.17	2.8	<0.511	<0.243	<0.243	<0.243	<0.243	<0.243
Xylene (Total)	100	440	NA	**73.4**	**16.7**	**25.9**	**22.1**	**22.9**

Table 2-2
Subslab Soil Vapor Data – 2018 and 2023 for Selected Compounds
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

Sample ID	USEPA RSL for Air		VP-6	VP-7	VP-8	VP-9		VP-10
Laboratory ID			92690806006	92690806007	92690806008	92690806009		92690806010
Date Collected	Residential	Industrial	09/28/23	09/28/23	09/28/23	09/28/23		09/28/23
Volatile Organic Compounds by USEPA TO15 (ug/m3)								
1,1,1-Trichloroethane	5200	22000	**1.65**	**1.44**	<0.4	<0.4	U/J/i	<0.4
1,2,4-Trimethylbenzene	63	260	**2.51**	**3.73**	**3.99**	**3.64**	/J/i	**4.88**
Benzene	0.36	1.6	**1.46**	**2.96**	**2.04**	**3.99**	/J/i	**2.92**
Chloromethane	94	390	<0.213	**0.77**	<0.213	<0.213	U/J/i	<0.213
cis-1,2-Dichloroethene	42	180	<0.311	<0.311	<0.311	<0.311	U/J/i	<0.311
Ethylbenzene	1.1	4.9	**3.25**	**5.16**	**3.86**	**4.55**	/J/i	**17.5**
Isopropylbenzene	420	1800	<0.382	<0.382	<0.382	<0.382	U/J/i	<0.382
m&p-Xylene	100	440	**12.6**	**22.8**	**15.6**	**19.3**	/J/i	**54.2**
Methylene Chloride	100	1200	**1.25**	**2.57**	<0.34	**1.35**	/J/i	**2.3**
o-Xylene	100	440	**4.55**	**7.63**	**6.76**	**11.4**	/J/i	**16.4**
Tetrachloroethene	11	47	**17**	**6.28**	**26.5**	**6.23**	/J/i	**4.99**
Toluene	5200	22000	**8.44**	**9.87**	**10.3**	**14**	/J/i	**26.1**
trans-1,2-Dichloroethene	42	180	<0.267	<0.267	<0.267	<0.267	U/J/i	<0.267
Trichloroethene	0.48	3	<0.364	**2.72**	**4.23**	<0.364	U/J/i	<0.364
Vinyl Chloride	0.17	2.8	<0.243	<0.243	<0.243	<0.243	U/J/i	<0.243
Xylene (Total)	100	440	**17.2**	**30.5**	**22.4**	**30.7**	/J/i	**70.8**

Notes:
NA - Not Analyzed
NS - No Standard
USEPA RSL - United States Environmental Protection Agency Regional Screening Level based on a risk of 1E-06 and a hazard quotient of 1 (USEPA, November 2023).
Bold font indicates the analyte was detected.
Shading indicates an exceedance of the Residential Air RSL.
Bold outline indicates an exceedance of the Industrial Air RSL.

Table 2-3
Phase II RI and FS Soil Data
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

	Screening Values			Pole Winder Building															
Sample ID				B-45PW(2')	B-45PW(4')	B-45PW(6')	B-45PW(8')	B-45PW(10')	B-45PW(12')	B-45PW(14')	B-45PW(15')	B-46(2')	B-46(4')	B-46(6')	B-46(8')	B-46(10')	B-46(12')	B-46(14')	B-46(15')
Lab Sample ID	Industrial	Residential	MCL-Based	TC30002-041	TC30002-042	TC30002-043	TC30002-044	TC30002-045	TC30002-046	TC30002-047	TC30002-048	TC30002-001	TC30002-002	TC30002-003	TC30002-004	TC30002-005	TC30002-006	TC30002-007	TC30002-008
Date Collected	RSL	RSL	SSL	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18
Volatile Organic Compounds by Method 8260B/8260D (ug/kg)																			
1,1,1,2-Tetrachloroethane	8800	2000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	36000000	8100000	70	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,1,2,2-Tetrachloroethane	2700	600	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	28000000	6700000	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,1,2-Trichloroethane	5000	1100	1.6	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,1-Dichloroethane	16000	3600	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,1-Dichloroethene	1000000	230000	2.5	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,1-Dichloropropene	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	930000	63000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	110	5.1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	110000	24000	200	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,2,4-Trimethylbenzene	1800000	300000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	64	5.3	0.086	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,2-Dibromoethane (EDB)	160	36	0.014	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,2-Dichlorobenzene	9300000	1800000	580	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,2-Dichloroethane	2000	460	1.4	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,2-Dichloropropane	11000	2500	1.7	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,3,5-Trimethylbenzene	1500000	270000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS	NS	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
1,3-Dichloropropane	23000000	1600000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	11000	2600	72	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
2,2-Dichloropropane	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	190000000	27000000	NS	< 21	< 20	**5.3** J//	< 21	< 22	< 21	< 22	< 21	< 1100	< 980	< 21	< 20	< 20	< 19	< 19	< 20
2-Chlorotoluene	23000000	1600000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	1300000	200000	NS	< 10	< 10	< 12	< 10	< 11	< 10	< 11	< 11	< 570	< 490	< 10	< 9.9	< 9.9	< 9.5	< 9.4	< 10
4-Chlorotoluene	23000000	1600000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	140000000	33000000	NS	< 10	< 10	< 12	< 10	< 11	< 10	< 11	< 11	< 570	< 490	< 10	< 9.9	< 9.9	< 9.5	< 9.4	< 10
Acetone	1.1E+09	70000000	NS	**130**	**330**	**240**	**100**	**0.086**	**47**	**120**	**120**	**5.8** J//	< 980	**67**	**31**	< 20	**12** J//	< 19	< 20
Benzene	5100	1200	2.6	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Bromobenzene	1800000	290000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	630000	150000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	1300	290	22	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Bromoform	86000	19000	21	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Bromomethane (Methyl bromide)	30000	6800	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Carbon disulfide	3500000	770000	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Carbon tetrachloride	2900	650	1.9	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Chlorobenzene	1300000	280000	68	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Chloroethane	23000000	5400000	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Chloroform	1400	320	22	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Chloromethane (Methyl chloride)	460000	110000	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
cis-1,2-Dichloroethene	370000	63000	21	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	**3.5** J//
cis-1,3-Dichloropropene	8200	1800	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Cyclohexane	27000000	6500000	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Dibromochloromethane	39000	8300	21	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Dibromomethane	99000	24000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	370000	87000	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Diisopropyl ether	9400000	2200000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	25000	5800	780	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	**4900**	**14**	< 4.9	**3.2** J//	< 4.7	< 4.7	< 5.1
Hexachloro-1,3-butadiene	5300	1200	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	9900000	1900000	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
m&p-Xylene	2400000	550000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	1.2E+09	78000000	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	**140** J//	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Methyl tertiary butyl ether (MTBE)	210000	47000	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Methylcyclohexane	410000	98000	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Methylene chloride	1000000	57000	1.3	**8**	**18**	**9.3**	**4.8** J//	< 5.5	**5.4**	**8.2**	**8.3**	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
n-Butylbenzene	58000000	3900000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	24000000	3800000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	8600	2000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	2800000	640000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	120000000	7800000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	35000000	6000000	110	**540**	**120**	**170**	**100**	**0.17**	**130**	**240** E//	**160**	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
tert-Butylbenzene	120000000	7800000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	100000	24000	2.3	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Toluene	47000000	4900000	690	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
trans-1,2-Dichloroethene	300000	70000	31	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
trans-1,3-Dichloropropene	8200	1800	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Trichloroethene	6000	940	1.8	< 5.2	< 5	**18**	**14**	**0.02**	**22**	**22**	**9.2**	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	**4.2** J//
Trichlorofluoromethane	350000000	23000000	NS	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Vinyl acetate	3800000	910000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	1700	59	0.69	< 5.2	< 5	< 5.8	< 5.2	< 5.5	< 5.2	< 5.5	< 5.3	< 290	< 250	< 5.2	< 4.9	< 5	< 4.7	< 4.7	< 5.1
Xylenes (total)	2500000	580000	9900	< 10	< 10	< 12	< 10	< 11	< 10	< 11	< 11	< 570	< 490	< 10	< 9.9	< 9.9	< 9.5	< 9.4	< 0.01

Table 2-3
Phase II RI and FS Soil Data
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

Sample ID	Screening Values			Pole Winder Building								Main Building							
Lab Sample ID	Industrial	Residential	MCL-Based	B-50(2')	B-50(4')	B-50(6')	B-50(8')	B-50(10')	B-50(12')	B-50(14')	B-50(15')	B-47(2')	B-47(4')	B-47(6')	B-47(8')	B-47(10')	B-47(12')	B-47(14')	B-47(15')
Date Collected	RSL	RSL	SSL	TC30002-009 03/29/18	TC30002-010 03/29/18	TC30002-011 03/29/18	TC30002-012 03/29/18	TC30002-013 03/29/18	TC30002-014 03/29/18	TC30002-015 03/29/18	TC30002-016 03/29/18	TC30002-017 03/29/18	TC30002-018 03/29/18	TC30002-019 03/29/18	TC30002-020 03/29/18	TC30002-021 03/29/18	TC30002-022 03/29/18	TC30002-023 03/29/18	TC30002-024 03/29/18
Volatile Organic Compounds by Method 8260B/8260D (ug/kg)																			
1,1,1,2-Tetrachloroethane	8800	2000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	36000000	8100000	70	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
1,1,2,2-Tetrachloroethane	2700	600	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
1,1,2-Trichloro-1,2,2-Trifluoroethane	28000000	6700000	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
1,1,2-Trichloroethane	5000	1100	1.6	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
1,1-Dichloroethane	16000	3600	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
1,1-Dichloroethene	1000000	230000	2.5	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	**0.0027 J//**	**0.0022 J//**	**0.002 J//**
1,1-Dichloropropene	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	930000	63000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	110	5.1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	110000	24000	200	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
1,2,4-Trimethylbenzene	1800000	300000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	64	5.3	0.086	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
1,2-Dibromoethane (EDB)	160	36	0.014	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
1,2-Dichlorobenzene	9300000	1800000	580	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
1,2-Dichloroethane	2000	460	1.4	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
1,2-Dichloropropane	11000	2500	1.7	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
1,3,5-Trimethylbenzene	1500000	270000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS	NS	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
1,3-Dichloropropane	23000000	1600000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	11000	2600	72	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 5.2	< 0.0086	< 0.0046	< 0.005	< 0.0047
2,2-Dichloropropane	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	190000000	27000000	NS	< 0.02	**0.0041 J//**	**0.0055 J//**	< 0.021	< 0.021	< 0.02	< 0.023	< 0.02	< 0.022	< 0.019	< 0.02	< 0.021	< 0.034	< 0.018	< 0.02	< 0.019
2-Chlorotoluene	23000000	1600000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	1300000	200000	NS	< 0.0098	< 0.0097	< 0.0089	< 0.011	< 0.011	< 0.01	< 0.011	< 0.01	< 0.011	< 0.0097	< 0.01	< 0.01	< 0.017	< 0.0092	< 0.0099	< 0.0094
4-Chlorotoluene	23000000	1600000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	140000000	33000000	NS	< 0.0098	< 0.0097	< 0.0089	< 0.011	< 0.011	< 0.01	< 0.011	< 0.01	< 0.011	< 0.0097	< 0.01	< 0.01	< 0.017	< 0.0092	< 0.0099	< 0.0094
Acetone	1.1E+09	70000000	NS	**0.082**	**0.068**	**0.11**	**0.043**	**0.15**	**0.063**	**0.14**	**0.1**	**0.12**	**0.091**	**0.2**	**0.14**	**0.28**	**0.19**	**0.16**	**0.18**
Benzene	5100	1200	2.6	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Bromobenzene	1800000	290000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	630000	150000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	1300	290	22	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Bromoform	86000	19000	21	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Bromomethane (Methyl bromide)	30000	6800	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Carbon disulfide	3500000	770000	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Carbon tetrachloride	2900	650	1.9	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Chlorobenzene	1300000	280000	68	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Chloroethane	23000000	5400000	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Chloroform	1400	320	22	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Chloromethane (Methyl chloride)	460000	110000	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
cis-1,2-Dichloroethene	370000	63000	21	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	**0.0052**	**0.016**	**0.023**	**0.029**	**0.028**	**0.026**
cis-1,3-Dichloropropene	8200	1800	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Cyclohexane	27000000	6500000	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Dibromochloromethane	39000	8300	21	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Dibromomethane	99000	24000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	370000	87000	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Diisopropyl ether	9400000	2200000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	25000	5800	780	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Hexachloro-1,3-butadiene	5300	1200	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	9900000	1900000	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
m&p-Xylene	2400000	550000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	1.2E+09	78000000	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Methyl tertiary butyl ether (MTBE)	210000	47000	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Methylcyclohexane	410000	98000	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Methylene chloride	1000000	57000	1.3	< 0.0049	< 0.0048	< 0.0045	< 0.0053	**0.0069**	< 0.005	< 0.0057	< 0.0051	**0.012**	**0.011**	**0.014**	< 0.0052	< 0.0086	**0.0086**	< 0.005	< 0.0047
n-Butylbenzene	58000000	3900000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	24000000	3800000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	8600	2000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	2800000	640000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	120000000	7800000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	35000000	6000000	110	**0.037**	**0.012**	**0.033**	**0.063**	**0.28 E//**	**0.11**	**0.14**	**0.18**	**0.17**	**0.12**	**0.12**	**0.11**	**0.28**	**0.45 /J/I**	**0.19**	**0.16**
tert-Butylbenzene	120000000	7800000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	100000	24000	2.3	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Toluene	47000000	4900000	690	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
trans-1,2-Dichloroethene	300000	70000	31	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
trans-1,3-Dichloropropene	8200	1800	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Trichloroethene	6000	940	1.8	< 0.0049	< 0.0048	**0.0059**	**0.0039 J//**	**0.0051 J//**	**0.01**	**0.0087**	**0.0025 J//**	< 0.0055	< 0.0048	**0.0041 J//**	**0.012**	**0.18**	**0.58 /J/I**	**0.23 E//**	**0.22 E//**
Trichlorofluoromethane	350000000	23000000	NS	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Vinyl acetate	3800000	910000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	1700	59	0.69	< 0.0049	< 0.0048	< 0.0045	< 0.0053	< 0.0053	< 0.005	< 0.0057	< 0.0051	< 0.0055	< 0.0048	< 0.0051	< 0.0052	< 0.0086	< 0.0046	< 0.005	< 0.0047
Xylenes (total)	2500000	580000	9900	< 0.0098	< 0.0097	< 0.0089	< 0.011	< 0.011	< 0.01	< 0.011	< 0.01	< 0.011	< 0.0097	< 0.01	< 0.01	< 0.017	< 0.0092	< 0.0099	< 0.0094

Table 2-3
Phase II RI and FS Soil Data
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

Sample ID	Screening Values			Main Building															
Lab Sample ID	Industrial	Residential	MCL-Based	B-48(2') TC30002-025	B-48(4') TC30002-026	B-48(6') TC30002-027	B-48(8') TC30002-028	B-48(10') TC30002-029	B-48(12') TC30002-030	B-48(14') TC30002-031	B-48(15') TC30002-032	B-49(2') TC30002-033	B-49(4') TC30002-034	B-49(6') TC30002-035	B-49(8') TC30002-036	B-49(10') TC30002-037	B-49(12') TC30002-038	B-49(14') TC30002-039	B-49(15') TC30002-040
Date Collected	RSL	RSL	SSL	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18	03/29/18
Volatile Organic Compounds by Method 8260B/8260D (ug/kg)																			
1,1,1,2-Tetrachloroethane	8800	2000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	36000000	8100000	70	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
1,1,2,2-Tetrachloroethane	2700	600	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
1,1,2-Trichloro-1,2,2-Trifluoroethane	28000000	6700000	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
1,1,2-Trichloroethane	5000	1100	1.6	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
1,1-Dichloroethane	16000	3600	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
1,1-Dichloroethene	1000000	230000	2.5	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	**0.0033 J//**	**0.0044 J//**	**0.0029 J//**	< 0.0047	< 0.0054	**0.0034 J//**	< 0.0053
1,1-Dichloropropene	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	930000	63000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	110	5.1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	110000	24000	200	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
1,2,4-Trimethylbenzene	1800000	300000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	64	5.3	0.086	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
1,2-Dibromoethane (EDB)	160	36	0.014	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
1,2-Dichlorobenzene	9300000	1800000	580	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
1,2-Dichloroethane	2000	460	1.4	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
1,2-Dichloropropane	11000	2500	1.7	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
1,3,5-Trimethylbenzene	1500000	270000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NS	NS	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
1,3-Dichloropropane	23000000	1600000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	11000	2600	72	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 5.2	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
2,2-Dichloropropane	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	190000000	27000000	NS	**0.0043 J//**	**0.0052 J//**	< 0.028	< 0.015	< 0.021	**0.0076 J//**	**0.0075 J//**	**0.0036 J//**	**0.0051 J//**	< 0.02	< 0.022	**0.019**	< 0.019	**0.007 J//**	**0.016 J//**	< 0.021
2-Chlorotoluene	23000000	1600000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	1300000	200000	NS	< 0.0079	< 0.0098	< 0.014	< 0.0076	< 0.01	< 0.011	< 0.013	< 0.0087	< 0.0091	< 0.0099	< 0.011	< 0.0085	< 0.0095	< 0.011	< 0.0098	< 0.011
4-Chlorotoluene	23000000	1600000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	140000000	33000000	NS	< 0.0079	< 0.0098	< 0.014	< 0.0076	< 0.01	< 0.011	< 0.013	< 0.0087	< 0.0091	< 0.0099	< 0.011	< 0.0085	< 0.0095	< 0.011	< 0.0098	< 0.011
Acetone	1.1E+09	70000000	NS	**0.17**	**0.29**	**0.19**	**0.11**	**0.36**	**1.2 E//**	**0.5**	**0.24**	**0.053**	**0.12**	**0.32**	**0.18**	**0.14**	**0.26**	**0.19**	**0.13**
Benzene	5100	1200	2.6	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Bromobenzene	1800000	290000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	630000	150000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	1300	290	22	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Bromoform	86000	19000	21	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Bromomethane (Methyl bromide)	30000	6800	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Carbon disulfide	3500000	770000	NS	< 0.0039	**0.002 J//**	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Carbon tetrachloride	2900	650	1.9	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Chlorobenzene	1300000	280000	68	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Chloroethane	23000000	5400000	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Chloroform	1400	320	22	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Chloromethane (Methyl chloride)	460000	110000	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
cis-1,2-Dichloroethene	370000	63000	21	**0.0026 J//**	**0.0073**	**0.014**	**0.0083**	< 0.0052	< 0.0055	< 0.0063	**0.0027 J//**	**0.057**	**0.47**	**0.9**	**0.21 E//**	**0.14**	**0.03**	**0.2 E//**	**0.16**
cis-1,3-Dichloropropene	8200	1800	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Cyclohexane	27000000	6500000	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Dibromochloromethane	39000	8300	21	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Dibromomethane	99000	24000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	370000	87000	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Diisopropyl ether	9400000	2200000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	25000	5800	780	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	**0.013**	**0.013**	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Hexachloro-1,3-butadiene	5300	1200	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	9900000	1900000	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
m&p-Xylene	2400000	550000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	1.2E+09	78000000	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	**0.0033 J//**	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Methyl tertiary butyl ether (MTBE)	210000	47000	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Methylcyclohexane	410000	98000	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Methylene chloride	1000000	57000	1.3	< 0.0039	**0.012**	**0.017**	**0.0078**	**0.0096**	**0.012**	**0.019**	**0.011**	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	**0.0079**	< 0.0053
n-Butylbenzene	58000000	3900000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	24000000	3800000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	8600	2000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	2800000	640000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	120000000	7800000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	35000000	6000000	110	**0.049**	**0.3 E//**	**0.19 /M/M**	**0.091**	**0.17**	**0.2**	**0.39 E//**	**0.17 E//**	**0.11**	**0.13**	**0.17**	**0.13**	**0.16**	**0.3**	**0.19**	**0.19**
tert-Butylbenzene	120000000	7800000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	100000	24000	2.3	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	**0.011**	**0.0071**	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Toluene	47000000	4900000	690	**0.0018 J//**	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	**0.0038 J//**	**0.0051 J//**	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
trans-1,2-Dichloroethene	300000	70000	31	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	**0.0029 J//**	**0.0071**	**0.018**	**0.016**	< 0.0054	**0.022**	**0.013**
trans-1,3-Dichloropropene	8200	1800	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Trichloroethene	6000	940	1.8	< 0.0039	< 0.0049	< 0.0071	< 0.0038	**0.014**	**0.014**	**0.023**	**0.042**	**0.06**	**0.92**	**1.4**	**0.13**	**0.096**	**0.015**	**0.15**	**0.093**
Trichlorofluoromethane	350000000	23000000	NS	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Vinyl acetate	3800000	910000	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	1700	59	0.69	< 0.0039	< 0.0049	< 0.0071	< 0.0038	< 0.0052	< 0.0055	< 0.0063	< 0.0043	< 0.0045	< 0.0049	< 0.0054	< 0.0043	< 0.0047	< 0.0054	< 0.0049	< 0.0053
Xylenes (total)	2500000	580000	9900	**0.0039 J//**	< 0.0098	< 0.014	< 0.0076	< 0.01	< 0.011	< 0.013	< 0.0087	< 0.0091	**0.047**	**0.04**	< 0.0085	< 0.0095	< 0.011	< 0.0098	< 0.011

Table 2-3
Phase II RI and FS Soil Data
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

				Main Building							
Sample ID	Screening Values			VP-4		VP-5		VP-6		VP-7	
Lab Sample ID	Industrial	Residential	MCL-Based	92690805002		92690805003		92690805006		92690805007	
Date Collected	RSL	RSL	SSL	09/28/23		09/28/23		09/28/23		09/28/23	
Volatile Organic Compounds by Method 8260B/8260D (ug/kg)											
1,1,1,2-Tetrachloroethane	8800	2000	NS	< 2.7		< 4.3		< 2.3		< 2.6	
1,1,1-Trichloroethane	36000000	8100000	70	< 3.7		< 5.9		< 3.1		< 3.6	
1,1,2,2-Tetrachloroethane	2700	600	NS	< 1.9		< 3		< 1.6		< 1.8	
1,1,2-Trichloro-1,2,2-Trifluoroethane	28000000	6700000	NS	NA		NA		NA		NA	
1,1,2-Trichloroethane	5000	1100	1.6	< 2.4		< 3.7		< 2		< 2.3	
1,1-Dichloroethane	16000	3600	NS	< 2.9		< 4.6		< 2.5		< 2.8	
1,1-Dichloroethene	1000000	230000	2.5	< 2.9		< 4.6		< 2.5		< 2.8	
1,1-Dichloropropene	NS	NS	NS	< 3.4		< 5.4		< 2.9		< 3.3	
1,2,3-Trichlorobenzene	930000	63000	NS	< 5.7		< 9.1		< 4.8		< 5.6	
1,2,3-Trichloropropane	110	5.1	NS	< 3.6		< 5.7		< 3		< 3.5	
1,2,4-Trichlorobenzene	110000	24000	200	< 6		< 9.5		< 5		< 5.8	
1,2,4-Trimethylbenzene	1800000	300000	NS	< 4.2		< 6.7		**4.6**	**J//**	< 4.1	
1,2-Dibromo-3-chloropropane (DBCP)	64	5.3	0.086	< 2.8	U,IK//	< 4.4	U,IK//	< 2.3	U,IK//	< 2.7	U,IK//
1,2-Dibromoethane (EDB)	160	36	0.014	< 3.1		< 5		< 2.6		< 3	
1,2-Dichlorobenzene	9300000	1800000	580	< 2.6		< 4.1		< 2.1		< 2.5	
1,2-Dichloroethane	2000	460	1.4	< 4.7		< 7.5		< 3.9		< 4.5	
1,2-Dichloropropane	11000	2500	1.7	< 2.1		< 3.4		< 1.8		< 2.1	
1,3,5-Trimethylbenzene	1500000	270000	NS	< 2.4		< 3.8		< 2		< 2.3	
1,3-Dichlorobenzene	NS	NS	NS	< 2.2		< 3.5		< 1.8		< 2.1	
1,3-Dichloropropane	23000000	1600000	NS	< 2.2		< 3.5		< 1.9		< 2.1	
1,4-Dichlorobenzene	11000	2600	72	< 1.8		< 2.9		< 1.5		< 1.8	
2,2-Dichloropropane	NS	NS	NS	< 5.4		< 8.5		< 4.5		< 5.2	
2-Butanone (MEK)	190000000	27000000	NS	< 34		< 54.1		< 28.6		< 33	
2-Chlorotoluene	23000000	1600000	NS	< 2.5		< 4		< 2.1		< 2.4	
2-Hexanone	1300000	200000	NS	< 6.8		< 10.9		< 5.7		< 6.6	
4-Chlorotoluene	23000000	1600000	NS	< 3.9		< 6.3		< 3.3		< 3.8	
4-Methyl-2-pentanone	140000000	33000000	NS	< 6.8		< 10.9		< 5.7		< 6.6	
Acetone	1.1E+09	70000000	NS	< 45.5		< 72.3		< 38.2		**55.8**	**J//**
Benzene	5100	1200	2.6	**5**	**J//**	**8.8**	**J//**	**4.5**	**J//**	< 2.7	
Bromobenzene	1800000	290000	NS	< 2.3		< 3.7		< 1.9		< 2.2	
Bromochloromethane	630000	150000	NS	< 2.1		< 3.3		< 1.8		< 2	
Bromodichloromethane	1300	290	22	< 2.7		< 4.3		< 2.3		< 2.7	
Bromoform	86000	19000	21	< 2.5		< 4		< 2.1		< 2.4	
Bromomethane (Methyl bromide)	30000	6800	NS	< 22	U,v1//	< 34.9	U,v1//	< 18.5	U,v1//	< 21.3	U,v1//
Carbon disulfide	3500000	770000	NS	NA		NA		NA		NA	
Carbon tetrachloride	2900	650	1.9	< 2.7		< 4.2		< 2.2		< 2.6	
Chlorobenzene	1300000	280000	68	< 4.1		< 6.5		< 3.4		< 3.9	
Chloroethane	23000000	5400000	NS	< 5.5		< 8.7		< 4.6		< 5.3	U,v1//
Chloroform	1400	320	22	< 5.9		< 9.4		< 5		< 5.7	
Chloromethane (Methyl chloride)	460000	110000	NS	< 6		< 9.5		< 5		< 5.8	
cis-1,2-Dichloroethene	370000	63000	21	< 2.4		< 3.9		< 2		< 2.4	
cis-1,3-Dichloropropene	8200	1800	NS	< 1.9		< 3.1		< 1.6		< 1.9	
Cyclohexane	27000000	6500000	NS	NA		NA		NA		NA	
Dibromochloromethane	39000	8300	21	< 4		< 6.3		< 3.3		< 3.9	
Dibromomethane	99000	24000	NS	< 1.5	U,v1//	< 2.4	U,v1//	< 1.3	U,v1//	< 1.5	
Dichlorodifluoromethane	370000	87000	NS	< 7.2	U,IH,IK,L1,v1//	< 11.5	U,IH,IK,L1,v1//	< 6.1	U,IH,IK,L1,v1//	< 7	U,M0,IH,IK,L1,v1/M/M
Diisopropyl ether	9400000	2200000	NS	< 1.9		< 3		< 1.6		< 1.9	
Ethylbenzene	25000	5800	780	< 3.3		< 5.2		**5.4**	**J//**	< 3.2	
Hexachloro-1,3-butadiene	5300	1200	NS	< 11.6		< 18.4		< 9.7		< 11.2	
Isopropylbenzene	9900000	1900000	NS	< 2.4		< 3.8		< 2		< 2.3	
m&p-Xylene	2400000	550000	NS	**6.7**	**J//**	**10.5**	**J//**	**6.2**	**J//**	< 4.7	
Methyl acetate	1.2E+09	78000000	NS	NA		NA		NA		NA	
Methyl tertiary butyl ether (MTBE)	210000	47000	NS	< 2.7		< 4.2		< 2.2		< 2.6	
Methylcyclohexane	410000	98000	NS	NA		NA		NA		NA	
Methylene chloride	1000000	57000	1.3	< 19.4		< 30.9		< 16.3		**65.5**	**C9//**
n-Butylbenzene	58000000	3900000	NS	< 4.5		< 7.1		< 3.7		< 4.3	
n-Propylbenzene	24000000	3800000	NS	< 2.5		< 4		< 2.1		< 2.4	
Naphthalene	8600	2000	NS	< 3.7		< 5.9		< 3.1		< 3.6	
o-Xylene	2800000	640000	NS	< 3.1		< 5		**3.8**	**J//**	< 3	
p-Isopropyltoluene	NS	NS	NS	< 3.5		< 5.5		< 2.9		< 3.4	
sec-Butylbenzene	120000000	7800000	NS	< 3.1		< 5		< 2.6		< 3	
Styrene	35000000	6000000	110	**33**		**54.8**		**109**		**62.4**	
tert-Butylbenzene	120000000	7800000	NS	< 2.5		< 4		< 2.1		< 2.4	
Tetrachloroethene	100000	24000	2.3	< 2.2		< 3.6		< 1.9		< 2.2	
Toluene	47000000	4900000	690	**7.4**		**10**	**J//**	**5.2**	**J//**	**5.5**	**J//**
trans-1,2-Dichloroethene	300000	70000	31	< 6		< 9.6		< 5.1		< 5.8	
trans-1,3-Dichloropropene	8200	1800	NS	< 2.4		< 3.9		< 2		< 2.4	
Trichloroethene	6000	940	1.8	< 5.7		< 9.1		< 4.8		< 5.5	
Trichlorofluoromethane	350000000	23000000	NS	< 3.9	U,v1//	< 6.2	U,v1//	< 3.3	U,v1//	< 3.8	U,v1//
Vinyl acetate	3800000	910000	NS	< 14.6		< 23.2		< 12.2		< 14.1	
Vinyl chloride	1700	59	0.69	< 3.6		< 5.7		< 3		< 3.5	U,v1//
Xylenes (total)	2500000	580000	9900	**6.7**	**J//**	**10.5**	**J//**	**10**	**J//**	< 3.9	

Notes:

Screening values consist of the industrial and residential soil values from the USEPA RSL Table based on risk of 1E-06 for carcinogens and HQ of 1 for noncarcinogens, and the MCL-based SSLs (USEPA, November 2023).
Value for 1,3-Dichloropropene used as a surrogate value for cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.
Bold font indicates the analyte was detected.
Green shading indicates an exceedance of the Industrial Soil RSL.
MCL - maximum contaminant level
mg/kg - milligrams per kilogram
NS - no standard
RSL - regional screening level
SSL - soil screening level
USEPA - United States Environmental Protection Agency

Table 2-4
Groundwater Elevation Summary - 2017 to January 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		6/28/2017		6/4/2018		2/1/2022		12/11/2023		1/2/2024	
Well ID	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation
Shallow Wells											
MW-1	561.85	12.21	549.64	12.39	549.46	10.05	551.80				
MW-2	558.42	9.13	549.29	9.16	549.26	7.17	551.25				
MW-3	549.00	15.03	533.97	13.46	535.54	12.49	536.51				
MW-4	560.13	18.49	541.64	18.42	541.71	16.57	543.56				
MW-5	557.74	17.15	540.59	17.10	540.64	16.26	541.48	19.78	537.96		
MW-6	561.32	19.36	541.96	19.50	541.82	17.95	543.37				
MW-7	554.72	16.13	538.59	15.85	538.87	15.35	539.37				
MW-8	558.27	17.85	540.42	12.63	545.64	16.00	542.27	19.86	538.41		
MW-9	556.36	18.39	537.97	17.89	538.47	15.70	540.66	20.49	535.87		
MW-10	550.96	12.65	538.31	12.55	538.41	12.70	538.26				
MW-11	548.23	13.49	534.74	13.66	534.57	13.80	534.43				
MW-12	537.03	6.33	530.70	5.94	531.09	5.97	531.06	10.48	526.55		
MW-13	531.12	3.38	527.74	2.24	528.88	2.31	528.81				
MW-14	532.07	2.35	529.72	2.65	529.42	2.34	529.73	5.82	526.25		
MW-15	536.41	3.24	533.17	3.24	533.17	2.71	533.70				
MW-16	543.34	7.98	535.36	7.71	535.63	6.96	536.38	11.22	532.12		
MW-17	542.24	6.34	535.90	6.15	536.09	5.31	536.93				
MW-18	551.59	8.18	543.41	8.21	543.38	6.38	545.21				
MW-19	531.58	3.80	527.78	4.13	527.45	0.83	530.75				
MW-20	541.72	7.94	533.78	7.09	534.63	3.63	538.09				
MW-21	548.24	11.41	536.83	10.76	537.48	9.20	539.04				
MW-22	560.11	15.30	544.81	15.30	544.81	12.10	548.01				
TMW-21	561.45	20.61	540.84	20.20	541.25	18.40	543.05			21.77	539.7
TMW-22	561.47	19.11	542.36	19.24	542.23	17.49	543.98			20.69	540.8
TMW-23	561.48	16.10	545.38	18.29	543.19	16.55	544.93			19.70	541.8
TMW-24	559.96	19.19	540.77	19.45	540.51	18.49	541.47			21.78	538.2
TMW-25	560.03	21.60	538.43	17.65	542.38	16.58	543.45			14.63	545.4
TMW-29	561.58	Dry	---	Dry	---	11.60	549.98				
TMW-30	561.50	16.09	545.41	13.62	547.88	14.17	547.33				
TMW-31	561.52	13.43	548.09	16.15	545.37	11.64	549.88			14.47	547.0
TMW-32	559.93	20.05	539.88	NA	---	NA	---				
TMW-33	560.01	18.45	541.56	NA	---	17.71	542.30				
MW-23	543.48	20.47	523.01	19.91	523.57	11.70	531.78				
MW-24	541.35	15.14	526.21	14.09	527.26	17.55	523.80				
MW-25	535.60	15.71	519.89	15.20	520.40	12.95	522.65				
MW-26	533.67	NA		6.31	527.36	6.45	527.22				
MW-27	530.65	NA		4.35	526.30	3.83	526.82				
MW-28	532.43	NA		4.31	528.12	4.05	528.38				
MW-29	539.53	NA		9.19	530.34	8.99	530.54				

Table 2-4
Groundwater Elevation Summary - 2017 to January 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		6/28/2017		6/4/2018		2/1/2022		12/11/2023		1/2/2024	
Well ID	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation
Intermediate Wells											
MW-2I	559.97	13.69	546.28	12.82	547.15	10.50	549.47				
MW-3I	548.84	14.59	534.25	13.76	535.08	11.29	537.55				
MW-5I	559.70	16.70	543.00	18.42	541.28	16.64	543.06	20.38	539.32		
MW-6I	560.28	18.81	541.47	19.19	541.09	17.60	542.68	20.84	539.44		
MW-7I	560.07	16.35	543.72	16.14	543.93	15.60	544.47	19.62	540.45		
MW-9I	556.07	19.26	536.81	15.69	540.38	16.55	539.52	20.42	535.65		
MW-10I	548.4	11.14	537.26	11.16	537.24	12.30	536.10			14.70	533.7
MW-12I	536.6	4.16	532.47	8.96	527.67	4.18	532.45				
MW-19I	536.4	6.49	529.94	5.65	530.78	3.17	533.26				
MW-20I	541.25	7.90	533.35	7.60	533.65	3.93	537.32	10.18	531.07		
MW-21I	552.82	20.98	531.84	21.11	531.71	19.02	533.80				
MW-24I	544.99	16.98	528.01	15.92	529.07	14.40	530.59				
Bedrock Wells											
MW-2D	559.28	10.28	549.00	10.32	548.96	8.49	550.79				
MW-3D	549.34	15.20	534.14	13.83	535.51	11.41	537.93				
MW-6D	559.91	18.02	541.89	17.83	542.08	16.25	543.66	19.50	540.41		
MW-7D	555.25	16.20	539.05	16.08	539.17	15.62	539.63				
MW-9D	552.91					13.21	539.70				
MW-12D	537.31	6.05	531.26	5.16	532.15	5.12	532.19	9.90	527.41		
RDW-1	537.69	5.23	532.46	4.41	533.28	0.60	537.09				
RDW-2	551.16	19.19	531.97	19.72	531.44	17.15	534.01				
MW-17D	552.77	10.31	542.46	9.56	543.21	8.14	544.63				
MW-18D	550.10	8.61	541.49	11.16	538.94	6.55	543.55				
MW-19D	532.10	8.78	523.32	5.55	526.55	2.82	529.28				
SDW-1	529.646	22.15	507.496	21.61	508.04	20.08	509.57				
SDW-2	527.75	69.50	458.25	73.15	454.60	29.00	498.75				
SDW-3	545.12	17.88	527.24	10.65	534.47	7.89	537.23				

Dry - Groundwater was not measurable in well during this event.
NA - Well was not present at time of the measurement event.
Dec. 11, 2023 and Jan. 2, 2024: Only a subset of wells were measured for water level depth.

Table 2-5
Sample Results - ISCO Pilot Study Wells
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

Sample ID		MW-2				MW-34	MW-35	MW-36	MW-37
Laboratory ID	USEPA	WH20094-001	XC01066-006	XG20043-007	XL28017-003	92671746001	92671746002	92671746003	92671746004
Date Collected	MCL [1]	08/19/21	03/01/22	07/20/22	12/28/22	06/08/23	06/08/23	06/08/23	06/08/23
Volatile Organic Compounds by USEPA Method 8260D (µg/L)									
Acetone	NS	< 10	< 10	< 10	**11**	**43**	< 25.6	**24.7 J//**	< 5.1
Chloroform	80 [2]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.43	< 2.2	**0.57 J//**	< 0.43
cis-1,2-Dichloroethene	70	< 0.5	< 0.5	< 0.5	< 0.5	< 0.38	**6.6**	< 0.38	< 0.38
Ethylbenzene	700	< 0.5	< 0.5	< 0.5	< 0.5	**0.59 J//**	< 1.5	< 0.3	< 0.3
Methylene chloride	5	< 0.5	< 0.5	< 0.5	< 0.5	< 2	**19 J,C9//**	< 2	< 2
Styrene	100	< 0.5	**5.1**	< 0.5	< 0.5	**109**	**22**	**6.5**	**9.9**
Toluene	1000	< 0.5	< 0.5	< 0.5	< 0.5	**0.63 J//**	< 2.4	< 0.48	< 0.48
Trichloroethene (TCE)	5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.38	**681**	**12.7**	**21.1**
Metals by USEPA Method 6010D (mg/L)									
Dissolved Iron	0.3 [3]	**0.05 J**	NA	NA	< 0.1	NA	NA	NA	NA
Chloride and Nitrate by USEPA Method 300.0 (mg/L)									
Chloride	250 [3]	**2.3**	**2.2**	NA	**2.2**	NA	NA	NA	NA
Nitrate	10	**0.078 B//**	NA	NA	**0.074**	NA	NA	NA	NA
TDS by USEPA Method SM 2540C-2011, -2015 (mg/L)									
Total Dissolved Solids	500 [3]	< 25	**34**	NA	**26**	NA	NA	NA	NA
Field Parameters									
Color/Odor	NS	clear	clear/no	clear	clear	clear/none	clear/none	brown/none	clear/none
Dissolved oxygen (mg/L)	NS	7.26	8.30	6.89	6.78	1.74	1.33	5.15	4.12
ORP (mV)	NS	187.4	821.6	627.3	330.2	-222.3	-266.3	37.4	17.3
pH	NS	4.91	4.63	5.36	5.36	6.02	5.76	5.74	5.73
Specific Conductivity (uS/cm)	NS	0.02	21.74	20	24	99.8	62.8	94.6	51.5
Temperature (Celsius)	NS	22	19.61	22.2	19.3	22.4	22.2	20.1	22.6
Turbidity (NTU)	NS	6.98	0.05	3.79	4.51	58.78	44.47	1014	121.7

Notes:

-a - Indicates a field duplicate sample.

[1] - United States Environmental Protection Agency Maximum Contaminant Level (USEPA, March 2018).

[2] - 1998 Final Rule for Disinfectants and Disinfection By-Products: The total for trihalomethanes is 80 µg/L.

[3] - Secondary MCL.

NA - Not Analyzed

NS - No Standard

Bold font indicates the analyte was detected.

Bold outline indicates an exceedance of the USEPA MCL.

Data Qualifiers

Separates the laboratory added data qualifiers from the validation data qualifiers. The laboratory added data qualifiers precede the first "/". The result qualifiers follow the first "/", and the analysis qualifiers follow the second "/". The result qualifiers are a product of the data validation process, and the analysis qualifier defines the type of

Laboratory Data Qualifiers

C9 - Common laboratory contaminant

H - Out of holding time.

J - Estimated result less than the limit of quantitation and greater than or equal to the detection limit.

B - Detected in the method blank.

Result Data Qualifiers

None added.

Analysis Data Qualifiers

h - Holding time exceeded by less than two times.

Table 2-5
Sample Results - ISCO Pilot Study Wells
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

Sample ID		MW-38	MW-38 (Dup)	TMW-29		TMW-31			TMW-31 (Dup)	TMW-31
Laboratory ID	USEPA	92671746005	92671746010	WH20094-003	XC01066-003	WH20094-002	XC01066-004	XG20043-006	XG20043-008	XL28017-001
Date Collected	MCL [1]	06/08/23	06/08/23	08/20/21	03/01/22	08/20/21	03/01/22	07/20/22	07/20/22	12/28/22
Volatile Organic Compounds by USEPA Method 8260D (µ										
Acetone	NS	< 5.1	< 5.1	**24**	**7.9 J//**	< 100	< 50	< 100	< 50	< 500
Chloroform	80 [2]	**0.95 J//**	**1 J//**	< 0.5	< 0.5	< 5	< 2.5	< 5	< 2.5	< 25
cis-1,2-Dichloroethene	70	< 0.38	< 0.38	< 0.5	< 0.5	**8.5**	**3**	**9.6**	**9.5**	**32**
Ethylbenzene	700	< 0.3	< 0.3	< 0.5	< 0.5	< 5	< 2.5	< 5	< 2.5	< 25
Methylene chloride	5	< 2	< 2	< 0.5	< 0.5	< 5	< 2.5	< 5	< 2.5	< 25
Styrene	100	**1.1**	**0.95 J//**	**50**	**120**	< 5	< 2.5	**7.5 /J/A**	**5 /J/A**	< 25
Toluene	1000	< 0.48	< 0.48	< 0.5	< 0.5	< 5	< 2.5	< 5	< 2.5	< 25
Trichloroethene (TCE)	5	**10**	**9.6**	**12**	**9.3**	**920**	**480**	**860**	**1200**	**3600**
Metals by USEPA Method 6010D (mg/L)										
Dissolved Iron	0.3 [3]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride and Nitrate by USEPA Method 300.0 (mg/L)										
Chloride	250 [3]	NA	NA	**3.1**	**2.8**	**6.1**	**6**	**5.6**	NA	**3.2**
Nitrate	10	NA	NA	NA	NA	NA	NA	**1.3**	NA	NA
TDS by USEPA Method SM 2540C-2011, -2015 (mg/L)										
Total Dissolved Solids	500 [3]	NA	NA	< 25	**51**	**41**	**65**	**62**	NA	**55**
Field Parameters										
Color/Odor	NS	clear/none	clear/none	clear	lt. tan/no	NA	lt. purple	clear	NA	clear
Dissolved oxygen (mg/L)	NS	4.57	4.57	4.53	8.01	4.43	5.17	4.14	NA	4.84
ORP (mV)	NS	97.4	97.4	185.7	539.1	169.6	869.1	640.3	NA	222.8
pH	NS	5.45	5.45	4.5	4.49	4.71	4.62	5.28	NA	5.62
Specific Conductivity (uS/cm)	NS	66.4	66.4	0.035	37.75	0.048	63.22	58	NA	67
Temperature (Celsius)	NS	20.5	20.5	23.5	21.31	23.6	24.25	23.7	NA	24.4
Turbidity (NTU)	NS	32.93	32.93	4.43	276.76	17.91	1.02	8.88	NA	9.78

Notes:

-a - Indicates a field duplicate sample.

[1] - United States Environmental Protection Agency Maximum Contaminant Level (USEPA, March 2018).

[2] - 1998 Final Rule for Disinfectants and Disinfection By-Products: The total for trihalomethanes is 80 µg/L.

[3] - Secondary MCL.

NA - Not Analyzed

NS - No Standard

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Data Qualifiers

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Laboratory Data Qualifiers

C9 - Common laboratory contaminant

H - Out of holding time.

J - Estimated result less than the limit of quantitatior and greater than or equal to the detection limit.

B - Detected in the method blank.

Result Data Qualifiers

None added.

Analysis Data Qualifiers

h - Holding time exceeded by less than two times.

Table 2-5
Sample Results - ISCO Pilot Study Wells
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

Sample ID		TMW-31		ISCO-OBSW-1S				
Laboratory ID	USEPA	92690805001	92706733001	WH20094-009	XC01066-005	XG20043-005	XL28017-002	92690805004
Date Collected	MCL [1]	09/29/23	01/02/24	08/20/21	03/01/22	07/20/22	12/28/22	09/29/23
Volatile Organic Compounds by USEPA Method 8260D (µ								
Acetone	NS	< 63.9	< 5.1	< 100	< 200	< 500	< 500	< 25.6
Chloroform	80 [2]	< 5.4	< 0.43	**5.9**	< 10	< 25	< 25	< 2.2
cis-1,2-Dichloroethene	70	**14.8**	< 0.38	**6.7**	< 10	< 25	< 25	**5.9**
Ethylbenzene	700	< 3.8	< 0.3	< 5	< 10	< 25	< 25	< 1.5
Methylene chloride	5	< 24.4	< 2	< 5	< 10	< 25	< 25	< 9.8
Styrene	100	< 3.6	< 0.29	< 5	< 10	< 25	< 25	< 1.5
Toluene	1000	< 6.1	< 0.48	< 5	< 10	< 25	< 25	< 2.4
Trichloroethene (TCE)	5	**1810**	**1.1**	**960**	< 10	< 25	< 25	**909**
Metals by USEPA Method 6010D (mg/L)								
Dissolved Iron	0.3 [3]	NA	NA	NA	NA	NA	NA	NA
Chloride and Nitrate by USEPA Method 300.0 (mg/L)								
Chloride	250 [3]	NA	NA	**5.7**	< 100	**7**	**6.1**	NA
Nitrate	10	NA	NA	NA	NA	**2.4**	NA	NA
TDS by USEPA Method SM 2540C-2011, -2015 (mg/L)								
Total Dissolved Solids	500 [3]	NA	NA	**67**	**260**	**340**	**110**	NA
Field Parameters								
Color/Odor	NS	clear	NA	clear	NA	purple	lt purple	clear
Dissolved oxygen (mg/L)	NS	5.99	4.07	3.64	NA	6.85	4.85	6.11
ORP (mV)	NS	NA	259.7	-119.6	NA	720.1	631.4	NA
pH	NS	4.98	5.19	5.72	NA	6.01	6.09	5.75
Specific Conductivity (uS/cm)	NS	72.17	53	0.094	NA	219	160	133.51
Temperature (Celsius)	NS	23.85	22.2	23.8	NA	22.2	18.7	23.09
Turbidity (NTU)	NS	2.52	6.03	NA	NA	8.84	8.15	9.23

Notes:

-a - Indicates a field duplicate sample.

[1] - United States Environmental Protection Agency Maximum Contaminant Level (USEPA, March 2018).

[2] - 1998 Final Rule for Disinfectants and Disinfection By-Products: The total for trihalomethanes is 80 µg/L.

[3] - Secondary MCL.

NA - Not Analyzed

NS - No Standard

Bold font indicates the analyte was detected.

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Data Qualifiers

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Laboratory Data Qualifiers

C9 - Common laboratory contaminant

H - Out of holding time.

J - Estimated result less than the limit of quantitatio and greater than or equal to the detection limit.

B - Detected in the method blank.

Result Data Qualifiers

None added.

Analysis Data Qualifiers

h - Holding time exceeded by less than two times.

Table 2-6
Sample Results- ISERD Pilot Study Wells
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

Sample ID		MW-10	MW-10-DUP	MW-10						ERD-OBSW-1S					
Laboratory ID	USEPA	WH20094-006	WH20094-007	WJ29086-003	XC08061-004	XG20043-001	XL19029-001	92671746006	92706733016	WH20094-008	WJ29086-004	XC08061-003	XG20043-002	XL19029-002	92671746007
Date Collected	MCL [1]	08/20/21	08/20/21	10/29/21	03/08/22	07/19/22	12/19/22	06/09/23	01/03/24	08/20/21	10/29/21	03/08/22	07/19/22	12/19/22	06/09/23
Volatile Organic Compounds by USEPA Method 8260D (ug/L)															
1,1-Dichloroethene	7	< 2.5	< 2.5	< 50 H//h	< 10	< 25	< 5	< 1.4	< 1.4	< 0.5	< 5 H//	< 0.5	< 0.5	< 0.5	< 0.7
1,2-Dichloroethane	5	**3.6**	**3.5**	< 50 H//h	< 10	< 25	**5.7**	**3.2 J//**	**3.1 J//**	**0.51**	< 5 H//	**0.82**	**0.92**	**1.2**	**0.95 J//**
1,4-Dichlorobenzene	75	< 2.5	< 2.5	< 50 H//h	< 10	< 25	< 5	< 1.3	< 1.3	**0.45 J/**	< 5 H//	< 0.5	< 0.5	< 0.5	< 0.67
2-Butanone (MEK)	NS	< 50	< 50	< 1000 H//h	< 200	< 500	< 100	< 15.8	< 15.8	< 10	< 100 H//	< 10	< 10	< 10	< 7.9
2-Hexanone	NS	< 50	< 50	< 1000 H//h	< 200	< 500	**28 J//**	< 1.9	< 1.9	< 10	< 100 H//	< 10	< 10	< 10	< 0.95
Acetone	NS	< 50	< 50	< 1000 H//h	< 200	< 500	< 100	< 20.4	< 20.4	< 10	< 100 H//	**5.7 J/BJ/TC**	**5.8 J/J/C**	**7.9 J//**	< 10.2
Benzene	5	< 2.5	< 2.5	< 50 H//h	< 10	< 25	< 5	< 1.4	< 1.4	< 0.5	< 5 H//	< 0.5	< 0.5	< 0.5	< 0.69
Chlorobenzene	100	< 2.5	**3.5**	< 50 H//h	< 10	< 25	< 5	< 1.1	< 1.1	**0.97**	< 5 H//	< 0.5	< 0.5	< 0.5	< 0.57
Chloroethane	NS	< 2.5	< 2.5	< 50 H//h	< 10	< 25	< 5	< 2.6	< 2.6	< 0.5	< 5 H//	< 0.5	< 0.5	< 0.5	< 1.3
Chloroform	80 [2]	< 2.5	< 2.5	< 50 H//h	< 10	< 25	< 5	< 1.7	< 1.7	< 0.5	< 5 H//	< 0.5	< 0.5	< 0.5	< 0.86
cis-1,2-Dichloroethene	70	**2.9**	**2.5**	< 50 H//h	< 10	< 25	**15**	**13.8**	**16**	**0.65**	< 5 H//	**86**	**110**	**110**	**81.4**
Methyl acetate	NS	< 5	< 5	< 100 H//h	< 20	< 50	< 10	< 9.6	NA	< 1	< 10 H//	**0.6 J//**	< 1	< 1	< 4.8
Methylene chloride	5	< 2.5	< 2.5	< 50 H//h	< 10	< 25	< 5	**15.1 J,C9//**	< 7.8	< 0.5	< 5 H//	< 0.5	< 0.5	< 0.5	**8.7 J,C9//**
Styrene	100	< 2.5	< 2.5	< 50 H//h	< 10	< 25	< 5	< 1.2	< 1.2	< 0.5	< 5 H//	< 0.5	**0.45 J//**	**0.48 J//**	< 0.58
Toluene	1000	< 2.5	< 2.5	< 50 H//h	< 10	< 25	< 5	< 1.9	< 1.9	< 0.5	< 5 H//	< 0.5	< 0.5	< 0.5	< 0.97
trans-1,2-Dichloroethene	100	< 2.5	< 2.5	< 50 H//h	< 10	< 25	< 5	< 1.6	**2.1 J//**	< 0.5	< 5 H//	< 0.5	< 0.5	< 0.5	< 0.79
Trichloroethene (TCE)	5	**740**	**790**	**600 H//h**	**590**	**760**	**500**	**464**	**567**	**240**	**410 H//**	**180**	**150**	**240**	**199**
Vinyl chloride	2	< 2.5	< 2.5	< 50 H//h	< 10	< 25	< 5	< 1.5	< 1.5	< 0.5	< 5 H//	< 0.5	< 0.5	< 0.5	< 0.77
Xylenes (total)	10000	< 5	< 5	< 100 H//h	< 20	< 50	**4.3 J//**	NA	< 1.4	< 1	< 10 H//	< 1	< 1	**0.43 J//**	NA
Metals by USEPA Method 6010D (mg/L)															
Dissolved Iron	0.3 [3]	< 0.1	NA	**0.46**	**1.9**	**11**	**14**	NA	**15.5**	**0.13**	**0.68**	< 0.1	**1.5**	**0.98**	NA
Dissolved Manganese	0.05 [3]	NA	NA	NA	**0.052**	NA	NA	NA	NA	NA	NA	**0.064**	NA	NA	NA
Iron	0.3 [3]	**0.087 J**	NA	**1.2**	**5.9**	**31**	**43**	NA	**26.7**	**0.21**	**1.1**	**3.4**	**1.8**	**1.2**	NA
Manganese	0.05 [3]	NA	NA	NA	**0.18**	NA	NA	NA	NA	NA	NA	**0.06**	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)															
Alkalinity	NS	< 20	NA	**190**	NA	**330**	**110**	NA	NA	**21**	**54**	NA	**33**	**24**	NA
Bicarbonate Alkalinity	NS	< 20	NA	**160**	NA	NA	NA	NA	NA	**21**	**54**	NA	NA	NA	NA
Carbonate Alkalinity	NS	< 20	NA	**25**	NA	NA	NA	NA	NA	20	< 20	NA	NA	NA	NA
Chloride, Sulfate, Nitrate, and Nitrite by USEPA Method 300.0/353.2 (mg/L)															
Chloride	250 [3]	**37**	NA	**29**	**28**	**25**	**20**	NA	NA	**69**	**83**	**94**	**110**	**87**	NA
Sulfate	250 [3]	**0.25 J**	NA	**2.5 J**	**0.58 J//**	**1.3**	< 1	NA	NA	**1.4**	**0.29 J**	< 1	< 1	< 1	NA
Nitrate - N	10	**1.2 B**	NA	< 1	**0.17**	< 0.02	**0.12**	NA	NA	**1.8 B**	**0.026**	**0.24**	**0.29**	**0.71**	NA
Nitrite - N	1	< 0.02	NA	< 1	**0.015 J//**	**0.72**	< 0.02	NA	NA	< 0.02	< 0.02	**0.012 J//**	**0.053**	**0.022 J//**	NA
Dissolved Gases by USEPA Method RSK-175 (µg/L)															
Ethane	NS	< 10	NA	< 10	< 10	< 10	< 10	NA	< 5.9	< 10	< 10	< 10	< 10	< 10	NA
Ethene	NS	< 10	NA	< 10	**2.8 J//**	**8 J//**	< 10	NA	< 5.7	< 10	< 10	< 10	< 10	< 10	NA
Methane	NS	< 10	NA	**9.1 J**	**2600**	**9100**	**7500**	NA	**4720**	**3.1 J**	< 10	**150**	**270**	**200 B//**	NA
TOC by USEPA Method SM 5310C-2011, -2014 (mg/L)															
Total Organic Carbon	NS	< 1	NA	**4800**	**920**	**390 H//**	**250**	NA	**26.1**	< 1	**71**	**21**	**6.3 H//**	**3.1**	
Microbial (cells/mL)															
Dehalococcoides	NS	< 0.5	NA	**6260**	<2.5	NA	< 1.4	NA	NA	< 0.5	< 1.9	< 0.5	NA	< 0.5	NA
Dehalobacter spp	NS	**1.7 J**	NA	**28500**	<2.5	NA	< 14.3	NA	NA	< 4.8	**20700**	**130**	NA	**11700**	NA
BAV1 Vinyl Chloride Reductase	NS	< 0.5	NA	< 1000	<2.5	NA	< 1.4	NA	NA	< 0.5	< 1.9	< 0.5	NA	< 0.5	NA
tceA Reductase	NS	< 0.5	NA	< 1000	<2.5	NA	< 1.4	NA	NA	< 0.5	< 1.9	< 0.5	NA	< 0.5	NA
Vinyl chloride Reductase	NS	< 0.5	NA	< 1000	<2.5	NA	< 1.4	NA	NA	< 0.5	< 1.9	< 0.5	NA	< 0.5	NA
Field Parameters															
Color/Odor	NS	NA	NA	white/cloudy	white/NA	milky white	milky/NA	clear/slight	NA	NA	cloudy	cloudy/NA	clear	clear/NA	clear/odor
Dissolved oxygen (mg/L)	NS	2.68	2.68	0.65	0.30	0.3	0.27	0.13	0.2	1.72	0.1	0.87	0.8	0.71	0.59
ORP (mV)	NS	152.8	152.8	-127.3	-100.4	-211	-119.1	-43.0	-21.2	149.9	26.1	52.3	138.2	197.6	50.5
pH	NS	5.17	5.17	10.03	9.85	9.91	6.86	6.63	6.25	5.21	6.22	5.82	7.95	5.47	5.57
Specific Conductivity (uS/cm)	NS	0.165	0.165	0.418	0.488	65	597	467.3	251	0.292	0.389	0.352	377	369	317.5
Temperature (Celsius)	NS	18.8	18.8	17.3	17.6	19.7	15.0	17.4	15.2	18.7	17.2	18.0	20.3	16.0	17.2
Turbidity (NTU)	NS	13.81	13.81	63.74	>1100	388.3	>1100	32.00	55.10	11.56	178.4	150	16.22	7.73	0

Notes:

-a - Indicates a field duplicate sample.

[1] - United States Environmental Protection Agency Maximum Contaminant Level (USEPA, March 2018).

[2] - 1998 Final Rule for Disinfectants and Disinfection By-Products: The total for trihalomethanes is 80 µg/L.

[3] - Secondary MCL.

NS - No Standard

Bold font indicates the analyte was detected.

Bold outline indicates an exceedance of the USEPA MCL.

Data Qualifiers

Separates the laboratory added data qualifiers from the validation data qualifiers. The laboratory added data qualifiers precede the first "/". The result qualifiers follow the first "/", and the analysis qualifiers follow the second "/". The result qualifiers are a product of the data validation process, and the analysis qualifier defines the type of QC excursion.

Laboratory Data Qualifiers

C9 - Common laboratory contaminant

H - Out of holding time.

J - Estimated result less than the limit of quantitation and greater than or equal to the detection limit.

B - Detected in the method blank.

Result Data Qualifiers

None added.

Analysis Data Qualifiers

h - Holding time exceeded by less than two times.

Table 2-6
Sample Results- ISERD Pilot Study Wells
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

Sample ID		MW-101I						ERD-OBSW-1I				
Laboratory ID	USEPA	WH20094-004	WJ29086-001	XC08061-002	XG20043-003	XL19029-003	92706733017	WH20094-005	WJ29086-002	XC08061-001	XG20043-004	XL19029-004
Date Collected	MCL [1]	08/20/21	10/29/21	03/08/22	07/19/22	12/19/22	01/03/24	08/20/21	10/29/21	03/08/22	07/19/22	12/19/22
Volatile Organic Compounds by USEPA Method 8260D (µg/L)												
1,1-Dichloroethene	7	< 5	< 0.5	< 2.5	**1.4**	**1.3**	< 1.4	< 5	< 0.5	**2.5**	**1.7**	**0.93**
1,2-Dichloroethane	5	< 5	**0.95**	< 2.5	**1.1**	**1.1**	< 1.3	< 5	**0.61**	< 2.5	**0.94**	**0.7**
1,4-Dichlorobenzene	75	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1.3	< 5	< 0.5	< 2.5	< 0.5	< 0.5
2-Butanone (MEK)	NS	< 100	< 10	< 50	< 10	< 10	< 15.8	< 100	< 10	**22 J//**	< 10	< 10
2-Hexanone	NS	< 100	< 10	< 50	< 10	< 10	< 1.9	< 100	< 10	< 50	< 10	< 10
Acetone	NS	< 100	**8.9 J//**	< 50	< 10	< 10	< 20.4	< 100	**7.3 J//**	< 50	< 10	< 10
Benzene	5	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1.4	< 5	< 0.5	< 2.5	< 0.5	**0.42 J//**
Chlorobenzene	100	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1.1	**4.9 J/**	< 0.5	< 2.5	< 0.5	< 0.5
Chloroethane	NS	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 2.6	< 5	< 0.5	< 2.5	< 0.5	**0.42 J//**
Chloroform	80 [2]	< 5	**0.67**	< 2.5	< 0.5	< 0.5	< 1.7	< 5	**1.1**	< 2.5	< 0.5	< 0.5
cis-1,2-Dichloroethene	70	< 5	**1.8**	**690**	**570**	**550 H//h**	**164**	< 5	**1.6**	**53**	**420**	**340 H//h**
Methyl acetate	NS	< 10	< 1	< 5	< 1	< 1	NA	< 10	**2.2**	**3.7 J//**	**5.7**	**3.5**
Methylene chloride	5	< 5	< 0.5	< 2.5	**0.45 J//**	< 0.5	< 7.8	< 5	**2.3**	< 2.5	**0.49 J//**	< 0.5
Styrene	100	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1.2	< 5	< 0.5	< 2.5	**0.57**	< 0.5
Toluene	1000	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1.9	< 5	< 0.5	< 2.5	< 0.5	**0.45 J//**
trans-1,2-Dichloroethene	100	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1.6	< 5	< 0.5	**3.1**	**3.1**	**1**
Trichloroethene (TCE)	5	**870**	**1100 E//**	**50**	**57**	**55**	**617**	**1000**	**520 E//**	**590**	**180**	**83**
Vinyl chloride	2	< 5	< 0.5	< 2.5	**0.49 J//**	< 0.5	< 1.5	< 5	< 0.5	**2.5**	**4.5**	**4.6**
Xylenes (total)	10000	< 10	< 1	< 5	< 1	< 1	< 1.4	< 10	< 1	< 5	< 1	**0.55 J//**
Metals by USEPA Method 6010D (mg/L)												
Dissolved Iron	0.3 [3]	< 0.1	**0.79**	**11**	**12**	**12**	**0.141**	< 0.1	**0.7**	< 0.1	**0.049 J//**	**2.6**
Dissolved Manganese	0.05 [3]	NA	NA	**1**	NA	NA	NA	NA	NA	**0.68**	NA	NA
Iron	0.3 [3]	< 0.1	**6.4**	**12**	**15**	**12**	**2.03**	**0.48**	**1.2**	**5**	**11**	**14**
Manganese	0.05 [3]	NA	NA	**0.98**	NA	NA	NA	NA	NA	**1.7**	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)												
Alkalinity	NS	**24**	**36**	NA	**39**	**41**	NA	**24**	**180**	NA	**320**	**280**
Bicarbonate Alkalinity	NS	**24**	**36**	NA	NA	NA	NA	**24**	**170**	NA	NA	NA
Carbonate Alkalinity	NS	< 20	< 20	NA	NA	NA	NA	< 20	< 20	NA	NA	NA
Chloride, Sulfate, Nitrate, and Nitrite by USEPA Method 300.0/353.2 (mg/L)												
Chloride	250 [3]	**9.2**	**39**	**8.2**	**8.7**	**8.4**	NA	**8.1**	**9**	**10**	**8.6**	**7.9**
Sulfate	250 [3]	< 1	**0.32 J**	< 1	< 1	< 1	NA	< 1	< 5	< 1	< 1	< 1
Nitrate - N	10	**1.1 B**	< 0.02	< 0.02	**0.07**	**0.078**	NA	**0.98 B**	< 0.1	< 0.02 H//	**0.21**	**0.59**
Nitrite - N	1	< 0.02	< 0.02	< 0.02	**0.025**	< 0.02	NA	**0.0098 J**	< 0.1	< 0.02 H//	**0.02**	**0.022**
Dissolved Gases by USEPA Method RSK-175 (µg/L)												
Ethane	NS	< 10	< 10	< 10	< 10	< 10	< 5.9	< 10	< 10	**5.7 J//**	< 10	< 10
Ethene	NS	< 10	< 10	< 10	< 10	< 10	< 5.7	< 10	< 10	**14**	**11**	**9.6 J//**
Methane	NS	< 10	< 10	**1400**	**1700**	**1500 B//**	**257**	**2.9 J**	**15**	**4500**	**8700**	**8300**
TOC by USEPA Method SM 5310C-2011, -2014 (mg/L)												
Total Organic Carbon	NS	< 1	**13**	16	**10 H//**	**3.7**	< 0.5	< 1	**460**	**140**	**96 H//**	**150**
Microbial (cells/mL)												
Dehalococcoides	NS	**3.2**	**1**	<1.3	NA	< 0.7	NA	< 0.5	**105**	**1**	NA	< 7.7
Dehalobacter spp	NS	**82.8**	**521**	**391**	NA	**1240**	NA	**130**	**11300**	**5920**	NA	< 76.9
BAV1 Vinyl Chloride Reductase	NS	< 0.5	< 0.5	<1.3	NA	< 0.7	NA	< 0.5	< 31.3	<0.5	NA	< 7.7
tceA Reductase	NS	**0.1 J**	< 0.5	<1.3	NA	< 0.7	NA	< 0.5	< 31.3	<0.5	NA	< 7.7
Vinyl chloride Reductase	NS	**0.1 J**	< 0.5	<1.3	NA	< 0.7	NA	< 0.5	**13.7 J**	<0.5	NA	< 7.7
Field Parameters												
Color/Odor	NS	NA	slight white/cloudy	white/NA	clear	clear/NA	NA	NA	white/cloudy	white/NA	milky white	milky/NA
Dissolved oxygen (mg/L)	NS	2.5	0.21	0.14	0.48	0.25	0.87	1.73	0.12	0.12	0.25	0.08
ORP (mV)	NS	158.3	28.1	-70.9	-103	58.9	117.2	82.7	-191.4	579.7	-570.1	-118.8
pH	NS	5.35	5.66	6.08	6.16	6.06	5.68	5.41	9.76	9.56	8.95	7.50
Specific Conductivity (uS/cm)	NS	0.088	0.132	0.120	122	126	81	0.086	0.374	0.523	59	800
Temperature (Celsius)	NS	18.5	17.3	17.2	19.7	15.9	16	19.1	17.3	17.1	20.9	15.7
Turbidity (NTU)	NS	5.13	140.5	70.8	30.21	8.75	6.92	8.41	696	161	183.7	>1100

Notes:

-a - Indicates a field duplicate sample.

[1] - United States Environmental Protection Agency Maximum Contaminant Level (USEPA, March 2018).

[2] - 1998 Final Rule for Disinfectants and Disinfection By-Products: The total for trihalomethanes is 80 µg/L.

[3] - Secondary MCL.

NS - No Standard

Bold font indicates the analyte was detected.

Bold outline indicates an exceedance of the USEPA MCL.

Data Qualifiers

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Laboratory Data Qualifiers

C9 - Common laboratory contaminant

H - Out of holding time.

J - Estimated result less than the limit of quantitation and greater than or equal to the detection limit.

B - Detected in the method blank.

Result Data Qualifiers

None added.

Analysis Data Qualifiers

h - Holding time exceeded by less than two times.

ATTACHMENTS

Attachment 1

Boring Logs, Well Installation Details, Water Well Records, Survey Data –

Additional Assessment of June 2023

AECOM Test Boring Report

BORING NO. 1
PAGE 1 OF 2

PROJECT: Valmont Composite Structures
CLIENT: Signify North America
CONTRACTOR: Saedacca
EQUIPMENT: Geoprobe 7822DT

PROJECT NO: 60708901
LOCATION:
ELEVATION:
NORTHING:
EASTING:
DATE START: 6/5/23
DATE FINISH: 6/5/23
DRILLER: Stefan
OVERSIGHT: Trevor

GROUNDWATER			DRILLING INFORMATION							
DATE	HRS	WATER	METHOD	D.P.		CASING		TEMP / PERM		
			HOLE DIA.	2.25"	3.75"	CASING DIA.		CASING TYPE		
			DEPTH	25'	11.5'	CASING DEPTH		GROUT TYPE		
			SAMPLING			HAMMER WT		HAMMER FALL		

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS	SOIL CLASSIFICATION: USCS
	69.4				Brown silty (~10%) sand (~90%)	SM
	32.2				Damp, soft	
	13.6				SAA, stiff	
	2.1					
	0				White red mottled clayey (~30%) sand (~70%)	SC
5.0					Dry, soft	
					SAA, moist, medium stiff	
					SAA, soft	
10.0						
					11.5' refusal w 3.75" rods	
					SAA, wet	
15.0						
					Brown white red mottled clayey (~25%) sand (~75%)	
					wet, soft	
2.0					SAA, stiff	

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

SAMPLER ID.	
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

NOTES	
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

AECOM Test Boring Report

BORING NO. 1

PAGE 2 OF 2

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
20.0					
					SAA
25.0					25' refusal w 2.25" hollow core rods
					11.5' refusal w 3.25" rods
30.0					
35.0					
40.0					
45.0					

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

SAMPLER ID.	
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

NOTES	
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

AECOM

Test Boring Report

BORING NO. 2
PAGE 1 OF 1

PROJECT: Valmont Composite Structures
CLIENT: Signify North America
CONTRACTOR: Saedacco
EQUIPMENT: Geoprobe 7822DT

PROJECT NO: 60208901
LOCATION:
ELEVATION:
NORTHING:
EASTING:
DATE START: 6/5/23
DATE FINISH: 6/6/23
DRILLER: Stefan
OVERSIGHT: Trevor

GROUNDWATER			DRILLING INFORMATION							
DATE	HRS	WATER	METHOD	D.P.		CASING		TEMP / PERM		
			HOLE DIA.	3.25		CASING DIA.		CASING TYPE		
			DEPTH	9'		CASING DEPTH		GROUT TYPE		
			SAMPLING			HAMMER WT		HAMMER FALL		

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS (SOIL CLASSIFICATION: USCS)
					Same as bore 1 reached w 2.25" hollow core rods.
5.0					
					9' refusal
10.0					
15.0					
2.0					

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

SAMPLER ID.	
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

NOTES	
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

MW-34

AECOM Test Boring Report

BORING NO. 3
PAGE 1 OF 1

PROJECT: Volmont Composite Structures
CLIENT: Signify North America
CONTRACTOR: Soedecco
EQUIPMENT: Geoprobe 7822DT

PROJECT NO: 60708901
LOCATION:
ELEVATION:
NORTHING:
EASTING:
DATE START: 6/6/23
DATE FINISH: 6/6/23
DRILLER: Stefan
OVERSIGHT: Trevor

GROUNDWATER			DRILLING INFORMATION							
DATE	HRS	WATER	METHOD	D.P.		CASING		TEMP / PERM		
			HOLE DIA.	3.25"		CASING DIA.		CASING TYPE		
			DEPTH	25'		CASING DEPTH		GROUT TYPE		
			SAMPLING			HAMMER WT		HAMMER FALL		

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS (SOIL CLASSIFICATION: USCS)
5.0					Same as bore 1 reached w 2.25" hollow core rods. 25' refusal
10.0					
15.0					
2.0					

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

SAMPLER ID.	
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

NOTES	
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

MW-35

AECOM Test Boring Report

BORING NO. 4
PAGE 1 OF 2

PROJECT: Valmont Composite Structures
CLIENT: Signify North America
CONTRACTOR: Soobacco
EQUIPMENT: Geoprobe 7822DT

PROJECT NO: 60508901
LOCATION:
ELEVATION:
NORTHING:
EASTING:
DATE START: 6/6/23
DATE FINISH: 6/6/23
DRILLER: Stefan
OVERSIGHT: Trevor

GROUNDWATER			DRILLING INFORMATION						
DATE	HRS	WATER	METHOD	D.P.		CASING		TEMP / PERM	
			HOLE DIA.	3.25"		CASING DIA.		CASING TYPE	
			DEPTH	24'		CASING DEPTH		GROUT TYPE	
			SAMPLING			HAMMER WT		HAMMER FALL	

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS	SOIL CLASSIFICATION: USCS
	65.6				Brown silty (~20%) sand (~80%) damp, soft	SM
	69.5				Brown red silty (~25%) sand (~75%) damp, soft	
	62.7					
	48.3					
	42.9					
5.0	2.1				SAA, ~~firm~~ stiff	
	0					
					SAA, moist	
10.0						
					SAA, wet	
					Brown silty (~10%) sand (~90%) wet, soft	
15.0						
					19' 2" black band	
					Brown white red clayey (~30%) sand (~70%) dry, firm	SC
2.0						

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

SAMPLER ID.	
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

NOTES	
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

MW-35

AECOM Test Boring Report

BORING NO. 4

PAGE 2 OF 2

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
20.0					Brown red saprolite, dry, stiff
					24' refusal
25.0					
30.0					
35.0					
40.0					
45.0					

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

	SAMPLER ID.
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

	NOTES
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

AECOM Test Boring Report

BORING NO. 5
PAGE 1 OF 1

PROJECT: Valmont Composite Structures
CLIENT: Signify North America
CONTRACTOR: Snedacco
EQUIPMENT: Geoprobe 7822DT

PROJECT NO: 60308901
LOCATION:
ELEVATION:
NORTHING:
EASTING:
DATE START: 6/6/23
DATE FINISH: 6/6/23
DRILLER: Stefan
OVERSIGHT: Trevor

GROUNDWATER			DRILLING INFORMATION							
DATE	HRS	WATER	METHOD	D.P.		CASING		TEMP / PERM		
			HOLE DIA.	2.25"		CASING DIA.		CASING TYPE		
			DEPTH	6'		CASING DEPTH		GROUT TYPE		
			SAMPLING			HAMMER WT		HAMMER FALL		

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS	SOIL CLASSIFICATION: USCS
	84.1				Brown silty sand (80%) damp, soft	SM
	72.6				Brown red silty (~20%) sand (~)5%)	
	67.1				damp, soft	
	69.7					
	75.2					
5.0	37.8				SAA, firm	
					6' refusal	
10.0						
15.0						
2.0						

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

SAMPLER ID.	
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

NOTES	
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

MW-36

AECOM Test Boring Report

BORING NO. 6
PAGE 1 OF 1

PROJECT: Valmont Composite Structures
CLIENT: Signify North America
CONTRACTOR: Soedocco
EQUIPMENT: Geoprobe 7822DT

PROJECT NO: 60508901
LOCATION:
ELEVATION:
NORTHING:
EASTING:
DATE START: 6/6/23
DATE FINISH: 6/6/23
DRILLER: Stefan
OVERSIGHT: Trevor

GROUNDWATER			DRILLING INFORMATION					
DATE	HRS	WATER	METHOD	D.P.		CASING		TEMP / PERM
			HOLE DIA.	2.25"		CASING DIA.		CASING TYPE
			DEPTH	16'		CASING DEPTH		GROUT TYPE
			SAMPLING			HAMMER WT		HAMMER FALL

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS	SOIL CLASSIFICATION: USCS
	0				Brown silty (~15%) sand (~85%) damp, soft	SM
					Brown red silty (~15%) sand (~85%) damp, soft	
5.0					SAA, wet	
					Brown white red clayey (~20%) sand (~80%) wet, stiff	SC
					SAA, soft	
10.0					White red mottled sandy (~40%) clay (~60%) soft, wet	CH
					White red mottled silty clayey (~30%) sand (~70%) wet, soft	SC
15.0					Red brown saprolite, very stiff, dry	
					16' refusal	
2.0						

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

SAMPLER ID.	
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

NOTES	
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

MW-37

AECOM Test Boring Report

BORING NO. 7
PAGE 1 OF 1

PROJECT: Valmont Composite Structures
CLIENT: Sigma, North America
CONTRACTOR: Soiltacco
EQUIPMENT: Geoprobe 7822DT

PROJECT NO: 60709901
LOCATION:
ELEVATION:
NORTHING:
EASTING:
DATE START: 6/6/23
DATE FINISH: 6/6/23
DRILLER: Stefan
OVERSIGHT: Trevor

GROUNDWATER			DRILLING INFORMATION							
DATE	HRS	WATER	METHOD	D.P.		CASING		TEMP / PERM		
			HOLE DIA.	~~2.75"~~	2.25"	CASING DIA.		CASING TYPE		
			DEPTH	~~4ft~~		CASING DEPTH		GROUT TYPE		
			SAMPLING	15'		HAMMER WT		HAMMER FALL		

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS SOIL CLASSIFICATION: USCS
	0				Brown red silty (~20%) sand (~80%) SM Damp, soft
5.0					Brown white red mottled clayey (~20%) SC sand (~80%) dry, stiff
					SAA, medium stiff, moist
10.0					SAA, wet, soft
	1				SAA, stiff, dry
15.0					15' refusal
2.0					

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

SAMPLER ID.	
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

NOTES	
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

AECOM Test Boring Report

BORING NO. 8
PAGE 1 OF 1

PROJECT: Walmart Composite Structures
CLIENT: Signify North America
CONTRACTOR: Zaedocco
EQUIPMENT: Geoprobe 7822DT

PROJECT NO: 60708901
LOCATION:
ELEVATION:
NORTHING:
EASTING:
DATE START: 6/7/23
DATE FINISH: 6/7/23
DRILLER: Stefan
OVERSIGHT: Trevor

GROUNDWATER			DRILLING INFORMATION						
DATE	HRS	WATER	METHOD	D.P.		CASING		TEMP / PERM	
			HOLE DIA.	2.25"		CASING DIA.		CASING TYPE	
			DEPTH	41		CASING DEPTH		GROUT TYPE	
			SAMPLING			HAMMER WT		HAMMER FALL	

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS	SOIL CLASSIFICATION: USCS
	0				Brown silty (~25%) sand (~5%) damp, soft	SM
	0				Light brown orange clayey (~30%) sand (~30%) damp, soft	SC
	0					
	0					
					41' refusal	
5.0						
10.0						
15.0						
2.0						

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

SAMPLER ID.	
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

NOTES	
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

AECOM Test Boring Report

BORING NO. 9
PAGE 1 OF 1

PROJECT: Valmont Composite Structures
CLIENT: Signify North America
CONTRACTOR: Soedacco
EQUIPMENT: Geoprobe 7822DT

PROJECT NO: 60708901
LOCATION:
ELEVATION:
NORTHING:
EASTING:
DATE START: 6/7/23
DATE FINISH: 6/7/23
DRILLER: Stefan
OVERSIGHT: Trevor

GROUNDWATER			DRILLING INFORMATION						
DATE	HRS	WATER	METHOD	D.P.		CASING		TEMP / PERM	
			HOLE DIA.	2.25"		CASING DIA.		CASING TYPE	
			DEPTH	2		CASING DEPTH		GROUT TYPE	
			SAMPLING			HAMMER WT		HAMMER FALL	

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS (SOIL CLASSIFICATION: USCS)
	0				Light gray sandy (~25%) gravel (~5%) dry, well-sorted GW
	0				Brown silty (~10%) sand (~90%) damp, soft SM
					2' refusal
5.0					
10.0					
15.0					
2.0					

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

SAMPLER ID.	
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

NOTES	
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

MW-38

AECOM Test Boring Report

BORING NO. 10
PAGE 1 OF 1

PROJECT: Valmont Composite Structures
CLIENT: Signify North America
CONTRACTOR: Saedacco
EQUIPMENT: Geoprobe 7822DT

PROJECT NO: 60508901
LOCATION:
ELEVATION:
NORTHING:
EASTING:
DATE START: 6/7/23
DATE FINISH: 6/7/23
DRILLER: Stefan
OVERSIGHT: Trevon

GROUNDWATER			DRILLING INFORMATION					
DATE	HRS	WATER	METHOD	D.P.	CASING		TEMP / PERM	
			HOLE DIA.	2.25"	CASING DIA.		CASING TYPE	
			DEPTH	14'	CASING DEPTH		GROUT TYPE	
			SAMPLING		HAMMER WT		HAMMER FALL	

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS (SOIL CLASSIFICATION: USCS)
					Brown silty (~16%) sand (~86%) dry, soft SM
					Brown red silty (~15%) sand (~85%) damp, soft
					SAA, moist
5.0					SAA, medium stiff
					SAA, soft
					White red mottled clayey (~30%) sand (~70%) SC moist, soft
10.0					White brown clayey (~30%) sand (~70%) SC wet, soft
					14' refusal
15.0					
2.0					

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

SAMPLER ID.	
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

NOTES	
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

AECOM Test Boring Report

BORING NO. 11
PAGE 1 OF 1

PROJECT: Valmont Composite Structures
CLIENT: Signify North America
CONTRACTOR: Geodacco
EQUIPMENT: Geoprobe 7822DT

PROJECT NO: 60308901
LOCATION:
ELEVATION:
NORTHING:
EASTING:
DATE START: 6/7/23
DATE FINISH: 6/7/23
DRILLER: Stefan
OVERSIGHT: Trevor

GROUNDWATER			DRILLING INFORMATION							
DATE	HRS	WATER	METHOD	DP		CASING		TEMP / PERM		
			HOLE DIA.	2.25"		CASING DIA.		CASING TYPE		
			DEPTH	7'		CASING DEPTH		GROUT TYPE		
			SAMPLING			HAMMER WT		HAMMER FALL		

DEPTH IN FEET	ORGANIC VAPOR SCREENING (PPM)	SAMPLER BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS	SOIL CLASSIFICATION: USCS
	0				Brown red ~~clayey~~ sand, damp, soft	SM
	0				silty ~80% ~20%	
	0					
	0					
	0				SAA, moist	
5.0	0					SC
	0				White brown red mottled clayey sand, damp, stiff	
					7' ~~bedrock~~ refusal	
10.0						
15.0						
2.0						

BLOWS/FT.	DENSITY
0-4	VERY LOOSE
5-10	LOOSE
11-30	MEDIUM DENSE
31-50	DENSE
50+	VERY DENSE

BLOWS/FT.	CONSISTENCY
0-2	VERY SOFT
3-4	SOFT
5-8	MEDIUM STIFF
9-15	STIFF
16-30	VERY STIFF
31+	HARD

SAMPLER ID.	
SS	SPLIT SPOON
ST	SHELBY TUBE
G	GRAB SAMPLE
MC	MACRO-CORE

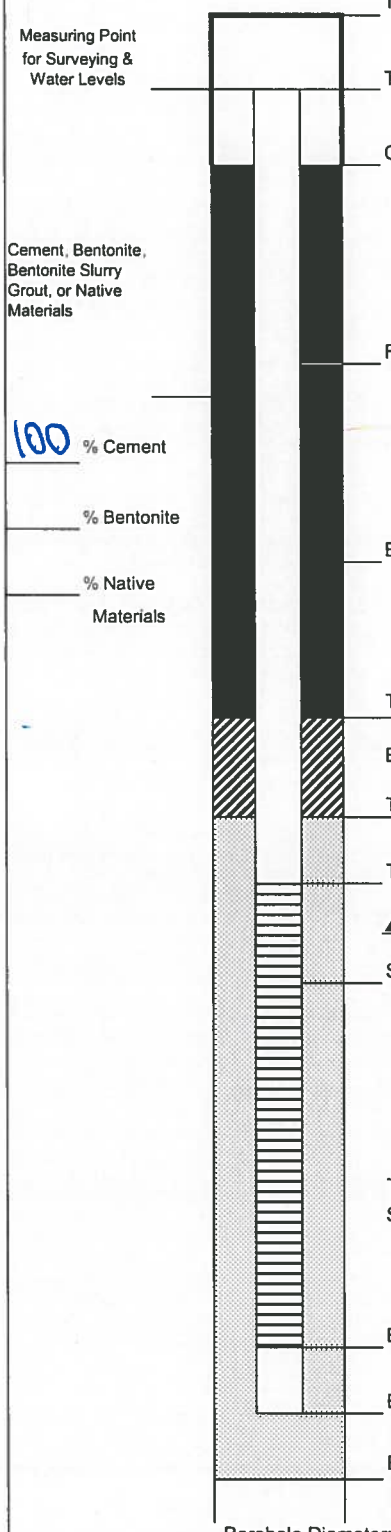
DESCRIPTIONS	
MOSTLY	50-100%
SOME	30-45%
LITTLE	15-25%
FEW	5-10%
TRACE	<5%

NOTES	
WD	WHILE DRILLING
NE	NOT ENCOUNTERED
UR	NOT READ
NR	NO RECOVERY

AECOM

Client: Sigrity North America		WELL ID: MW-34
Project Number: 60708901		
Site Location: Newberry, SC		Date Installed: 6-6-23
Well Location:	Coords: 34.316819°N	Inspector: Trevor Brown
Method: D.P.	81.634382°W	Contractor: Soedacco

MONITORING WELL CONSTRUCTION DETAIL



	Depth from G.S. (feet)	Elevation(feet) Datum
Top of Steel Guard Pipe	-	
Top of Riser Pipe	-	
Ground Surface (G.S.)	0.0	
Riser Pipe:		
Length	13.16'	
Inside Diameter (ID)	1"	
Type of Material	PVC	
Bottom of Steel Guard Pipe	-	
Top of Bentonite	10'	
Bentonite Seal Thickness	2'	
Top of Sand	12'	
Top of Screen	13.16'	
▲ Stabilized Water Level	11.00'	
Screen:		
Length	10'	
Inside Diameter (ID)	1"	
Slot Size	10 (0.01")	
Type of Material	PVC	
Type/Size of Sand	#2	
Sand Pack Thickness	13'	
Bottom of Screen	23.16'	
Bottom of Tail Pipe:	23.38'	
Bottom of Borehole	25'	

Borehole Diameter: 3.25"

Approved: Trevor Brown (Signature) 6-6-23 (Date)

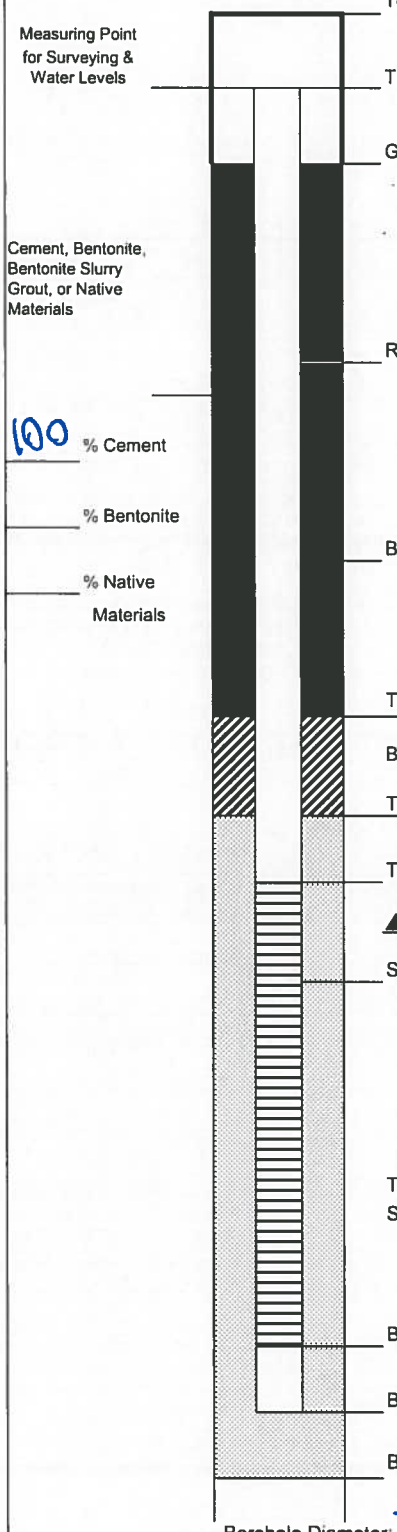
Describe Measuring Point: Top of riser

AECOM

Client: Signify North America
Project Number: 60708401
Site Location: Newberry, SC
Well Location: Coords: 34.316849°N 81.63414°W
Method: D.P.

WELL ID: MW-35
Date Installed: 6-6-23
Inspector: Trevor Brown
Contractor: Soedacco

MONITORING WELL CONSTRUCTION DETAIL



	Depth from G.S. (feet)	Elevation(feet) Datum ____
Top of Steel Guard Pipe	–	
Top of Riser Pipe	–	
Ground Surface (G.S.)	0.0	
Riser Pipe: Length	13.18'	
Inside Diameter (ID)	1"	
Type of Material	PVC	
Bottom of Steel Guard Pipe	–	
Top of Bentonite	10'	
Bentonite Seal Thickness	2'	
Top of Sand	12'	
Top of Screen	13.18'	
▲ Stabilized Water Level	10.81'	
Screen: Length	10'	
Inside Diameter (ID)	1"	
Slot Size	10(0.01")	
Type of Material	PVC	
Type/Size of Sand	#2	
Sand Pack Thickness	13'	
Bottom of Screen	23.18'	
Bottom of Tail Pipe:	23.40'	
Bottom of Borehole	24'	

Borehole Diameter: 3.25"

Approved: Trevor Brown (Signature)

Date: 6-6-23

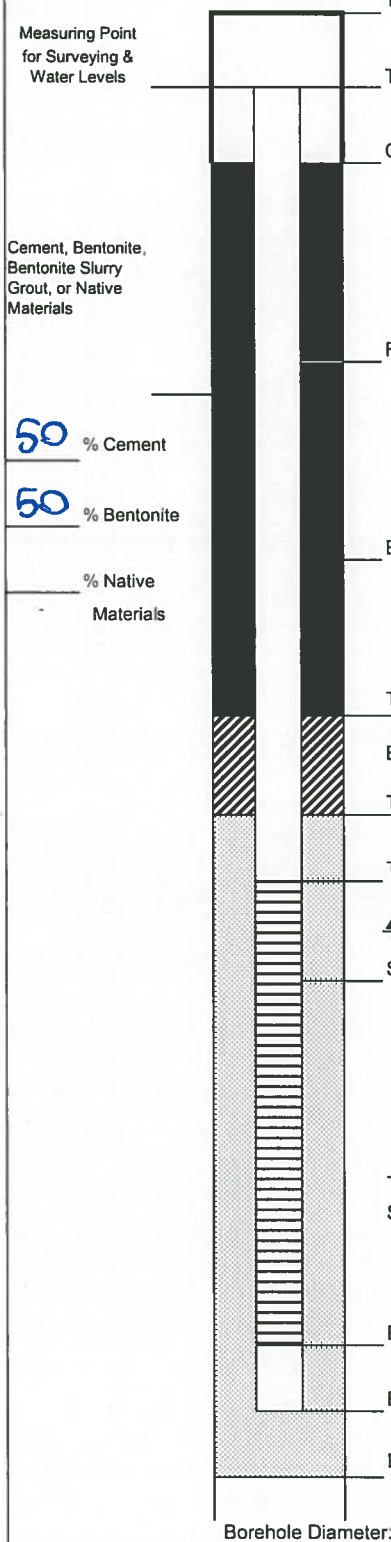
Describe Measuring Point: Top of riser

AECOM

Client: Signify North America
Project Number: 60708901
Site Location: Newberry, SC
Well Location: Coords: 34.31706°N 81.63419°W
Method: D.P.

WELL ID: MW-36
Date Installed: 6/6/23
Inspector: Trevor Brown
Contractor: Soedacco

MONITORING WELL CONSTRUCTION DETAIL



	Depth from G.S. (feet)	Elevation(feet) Datum
Top of Steel Guard Pipe	–	
Top of Riser Pipe	–	
Ground Surface (G.S.)	0.0	
Riser Pipe: Length 5.23'		
Inside Diameter (ID) 1"		
Type of Material PVC		
Bottom of Steel Guard Pipe	–	
Top of Bentonite	2'	
Bentonite Seal Thickness 2'		
Top of Sand	4'	
Top of Screen	5.23	
▲ Stabilized Water Level	10.68	
Screen: Length 10'		
Inside Diameter (ID) 1"		
Slot Size 10 (0.01")		
Type of Material PVC		
Type/Size of Sand #2		
Sand Pack Thickness 13'		
Bottom of Screen	15.23	
Bottom of Tail Pipe:	15.45	
Bottom of Borehole	16.0	

Borehole Diameter: 2.25'

Approved: Trevor Brown (Signature)

Date: 6/6/23

Describe Measuring Point: Top of riser

AECOM

Client: ~~Valmont Composite Structures~~	WELL ID: MW-3D
Project Number: ~~60635195~~ 60708901	
Site Location: Newberry, SC	Date Installed: 6/6/23
Well Location: Coords: 34.31715° N	Inspector: Trevor Brown
Method: DP 81.63412° W	Contractor: Saedacco

MONITORING WELL CONSTRUCTION DETAIL

	Depth from G.S. (feet)	Elevation(feet) Datum ____
Top of Steel Guard Pipe	–	
Top of Riser Pipe	–	
Ground Surface (G.S.)	0.0	
Bottom of Steel Guard Pipe	–	
Top of Bentonite	3'	
Top of Sand	~~5~~ 5'	
Top of Screen	~~5.02'~~ 5.24'	
▲ Stabilized Water Level	10.33'	
Bottom of Screen	15.02'	
Bottom of Tail Pipe:	~~15.02'~~ 15.24'	
Bottom of Borehole	15.5'	

Measuring Point for Surveying & Water Levels

Cement, Bentonite, Bentonite Slurry Grout, or Native Materials

Riser Pipe: ~~5.02'~~ 5.24'
- Length: ~~5.24~~
- Inside Diameter (ID): 1"
- Type of Material: PVC

50 % Cement

50 % Bentonite

____ % Native Materials

Bentonite Seal Thickness: 2'

Screen:
- Length: 10'
- Inside Diameter (ID): 1"
- Slot Size: 10(0.01")
- Type of Material: PVC

Type/Size of Sand: #2

Sand Pack Thickness: 1'

Borehole Diameter: 2.25"

Describe Measuring Point: Riser Top of ~~asphalt~~

Approved: Trevor Brown
Signature

6/6/23
Date

AECOM

Client: ~~Vatmont Composite Structures~~	WELL ID: MW-38
Project Number: ~~60635197~~ 60708901	
Site Location: Newberry, SC	Date Installed: 6/7/23
Well Location: Coords: 34.31304° N	Inspector: Trevor Brown
Method: D.P. 81.63405° W	Contractor: Soedacco

MONITORING WELL CONSTRUCTION DETAIL

	Depth from G.S. (feet)	Elevation(feet) Datum
Top of Steel Guard Pipe	-	
Top of Riser Pipe	-	
Ground Surface (G.S.)	0.0	
Bottom of Steel Guard Pipe	-	
Top of Bentonite	2'	
Bentonite Seal Thickness	1' 2"	
Top of Sand	3'	
Top of Screen	4.11'	
▲ Stabilized Water Level	10.26	
Bottom of Screen	14.11'	
Bottom of Tail Pipe:	14.33'	
Bottom of Borehole	14'	

Measuring Point for Surveying & Water Levels

Cement, Bentonite, Bentonite Slurry Grout, or Native Materials

50 % Cement

50 % Bentonite

____ % Native Materials

Riser Pipe:
- Length: 4.11'
- Inside Diameter (ID): 1"
- Type of Material: PVC

Screen:
- Length: 10'
- Inside Diameter (ID): 1"
- Slot Size: 10 (0.01")
- Type of Material: PVC

Type/Size of Sand: #2

Sand Pack Thickness: 1

Borehole Diameter: 2.26"

Approved: Trevor Brown (Signature) 6/7/23 (Date)

Describe Measuring Point: ~~Ground level~~ Top of riser

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Newberry
Name: Shakespeare/Valmont Site
Street Address: 19845 US-76
City: Newberry, SC Zip: 29108
Latitude: 34.316845 Longitude: 81.634341

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** MW-34

4. ABANDONMENT: ☐ Yes ☒ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Fill	5	5
Saprolite	20	25
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: Bentonite seal from 10-12'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☒ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 23.5 ft. Date Started: 6-5-23 Date Completed: 6-6-23

10. CASING: ☒ Threaded ☐ Welded
Diam.: 1"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 13.5 ft. depth
_____ in. to _____ ft. depth
Height: Above/(Below)
Surface .25 ft.
Weight 40 lb./ft.
Drive Shoe? ☐ Yes ☒ No

11. SCREEN:
Type: PVC Diam.: 1"
Slot/Gauge: .010 Length: 10'
Set Between: 13.5 ft. and 23.5 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☒ No Bacterial Analysis ☐ Yes ☒ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from 12 ft. to 23.5 ft.
Effective size 2 Uniformity Coefficient Sand

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 10 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☒ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☒
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Stefan Smith **CERT. NO.:** 1943
Address: (Print)
SAEDACCO
9088 Northfield Drive
Fort Mill, SC 29707
Level: A (B) C D (circle one)
Telephone No.: (803)548-2180 Fax No.: (803)548-2181

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Stefan J Smith Date: 6/7/2023
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Newberry
Name: Shakespeare/Valmont Site
Street Address: 19845 US-76
City: Newberry, SC Zip: 29108
Latitude: 34.317040 Longitude: 81.634112

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** MW-35

4. ABANDONMENT: ☐ Yes ☒ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Fill	5	5
Saprolite	20	25
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: Bentonite seal from 10-12'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☒ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 23.5 ft. Date Started: 6-5-23 Date Completed: 6-6-23

10. CASING: ☒ Threaded ☐ Welded
Diam.: 1"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 13.5 ft. depth
_____ in. to _____ ft. depth
Height: Above/(Below)
Surface .25 ft.
Weight 40 lb./ft.
Drive Shoe? ☐ Yes ☒ No

11. SCREEN:
Type: PVC Diam.: 1"
Slot/Gauge: .010 Length: 10'
Set Between: 13.5 ft. and 23.5 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☒ No Bacterial Analysis ☐ Yes ☒ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from 12 ft. to 23.5 ft.
Effective size 2 Uniformity Coefficient Sand

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From .5 ft. to 10 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☒ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☒
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Stefan Smith **CERT. NO.:** 1943
Address: (Print)
SAEDACCO
9088 Northfield Drive
Fort Mill, SC 29707
Level: A (B) C D (circle one)
Telephone No.: (803)548-2180 Fax No.: (803)548-2181

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Stefan J Smith Date: 6/7/2023
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Newberry
Name: Shakespeare/Valmont Site
Street Address: 19845 US-76
City: Newberry, SC Zip: 29108
Latitude: 34.317040 Longitude: 81.634112

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** MW-36

4. ABANDONMENT: ☐ Yes ☒ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Fill	7	7
Saprolite	9	16
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: Bentonite seal from 2-4'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☒ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 16 ft. Date Started: 6-6-23 Date Completed: 6-6-23

10. CASING: ☒ Threaded ☐ Welded
Diam.: 1"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 6 ft. depth
_____ in. to _____ ft. depth
Height: Above/(Below)
Surface .25 ft.
Weight 40 lb./ft.
Drive Shoe? ☐ Yes ☒ No

11. SCREEN:
Type: PVC Diam.: 1"
Slot/Gauge: .010 Length: 10'
Set Between: 6 ft. and 16 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☒ No Bacterial Analysis ☐ Yes ☒ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from 4 ft. to 16 ft.
Effective size 2 Uniformity Coefficient Sand

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☒ Other Concrete
Depth: From 0 ft. to 2 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft.____ direction
Type _____
Well Disinfected ☐ Yes ☒ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☒
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Stefan Smith **CERT. NO.:** 1943
Address: (Print) SAEDACCO 9088 Northfield Drive Fort Mill, SC 29707
Level: A (B) C D (circle one)
Telephone No.: (803)548-2180 Fax No.: (803)548-2181

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Stefan J Smith Date: 6/7/2023
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Newberry
Name: Shakespeare/Valmont Site
Street Address: 19845 US-76
City: Newberry, SC Zip: 29108
Latitude: 34.317757 Longitude: 81.634153

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** MW-37

4. ABANDONMENT: ☐ Yes ☒ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Fill	7	7
Saprolite	8	15
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: Bentonite seal from 2-4'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☒ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 15 ft. Date Started: 6-6-23 Date Completed: 6-6-23

10. CASING: ☒ Threaded ☐ Welded
Diam.: 1"
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 5 ft. depth
_____ in. to _____ ft. depth
Height: Above/(Below)
Surface .25 ft.
Weight 40 lb./ft.
Drive Shoe? ☐ Yes ☒ No

11. SCREEN:
Type: PVC Diam.: 1"
Slot/Gauge: .010 Length: 10'
Set Between: 5 ft. and 15 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☒ No Bacterial Analysis ☐ Yes ☒ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from 4 ft. to 15 ft.
Effective size 2 Uniformity Coefficient Sand

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☒ Other Concrete
Depth: From 0 ft. to 2 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☒ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☒
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Stefan Smith **CERT. NO.:** 1943
Address: (Print)
SAEDACCO
9088 Northfield Drive
Fort Mill, SC 29707
Level: A (B) C D (circle one)
Telephone No.: (803)548-2180 Fax No.: (803)548-2181

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Stefan J Smith Date: 6/7/2023
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Newberry
Name: Shakespeare/Valmont Site
Street Address: 19845 US-76
City: Newberry, SC Zip: 29108
Latitude: 34.317757 Longitude: 81.634152

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** MW-38

4. ABANDONMENT: ☐ Yes ☒ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Fill	5	5
Saprolite	9	14
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: Bentonite seal from 2-3'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☒ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 14 ft. Date Started: 6-7-23 Date Completed: 6-7-23

10. CASING: ☒ Threaded ☐ Welded
Diam.: 1
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 4 ft. depth
_____ in. to _____ ft. depth
Height: Above/(Below)
Surface .25 ft.
Weight 40 lb./ft.
Drive Shoe? ☐ Yes ☒ No

11. SCREEN:
Type: PVC Diam.: 1"
Slot/Gauge: .010 Length: 10'
Set Between: 4 ft. and 14 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☒ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☒ No Bacterial Analysis ☐ Yes ☒ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from 3 ft. to 14 ft.
Effective size 2 Uniformity Coefficient Sand

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☒ Other Concrete
Depth: From 0 ft. to 2 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☒ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☒
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Stefan Smith **CERT. NO.:** 1943
Address: (Print)
SAEDACCO
9088 Northfield Drive
Fort Mill, SC 29707
Level: A (B) C D (circle one)
Telephone No.: (803)548-2180 Fax No.: (803)548-2181

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Stefan J Smith Date: 6/7/2023
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

AECOM

Monitoring Well Development Log

Date Started (yr/mo/day) 6/6/23 Date Completed (yr/mo/day) 6/6/23

Field Personnel TB

Site Name Valmont Composite Structures

Job # 60708901

Well ID # MW-34

✓ Upgradient ____ Downgradient

Weather Conditions —

Air Temperature — °F

Total Well Depth (TWD) = 23.38 1/100 ft

Depth to Ground Water (DGW) = 11.00 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 12.38 1/100 ft

1 Casing Volume (OCV) = LWC x 0.0408 = 0.51 gallons

5 Casing Volumes = 2.53 gallons

Method of Well Development Peristaltic pump

Total Volume of Water Removed 2.75 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Temperature (°C)	pH	Eh	Specific Conductivity (µmhos/cm)	Turbidity/Color	Sand Content (%)	Remarks
6/6 0955		1					Brown	~15	
6/6 1005		2					Light Brown	~5	
6/6 1015		2.75					Clear	~0	

COMMENTS/OBSERVATIONS:

AECOM

Monitoring Well Development Log

Date Started (yr/mo/day) 6/6/23 Date Completed (yr/mo/day) 6/6/23

Field Personnel TB, Stefan, Trey, Josh

Site Name Valmont Composite Structures

Job # ~~60635197~~ 60708901

Well ID # MW-35

√ Upgradient ____ Downgradient

Weather Conditions ~

Air Temperature ~ °F

Total Well Depth (TWD) = ~~23.6~~ 23.40 1/100 ft

Depth to Ground Water (DGW) = 11.16 1/100 ft

Length of Water Column (LWC) = TWD - DGW = ~~12.44~~ 12.24 1/100 ft

1 Casing Volume (OCV) = LWC x ~~0.041~~ 0.041 = ~~0.51~~ 0.50 gallons

5 Casing Volumes = ~~2.53~~ 2.5 gallons

Method of Well Development Peristaltic pump

Total Volume of Water Removed 2.75 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Temperature (°C)	pH	Eh	Specific Conductivity (µmhos/cm)	Turbidity/Color	Sand Content (%)	Remarks
6/6 1150		0.8					Brown	~20%	
6/6 1159		2.0					Light brown	~5%	
6/6 1210		2.75					Clear	~0%	

COMMENTS/OBSERVATIONS:

AECOM

Monitoring Well Development Log

Date Started (yr/mo/day) 6/7/23 Date Completed (yr/mo/day) 6/7/23

Field Personnel TB, Stefan

Site Name Valmont Composite Structures

Job # ~~60535197~~ 60708901

Well ID # MW-36

____ Upgradient √ Downgradient

Weather Conditions Clear

Air Temperature 75 °F

Total Well Depth (TWD) = ~~15.79~~ 15.45 1/100 ft

Depth to Ground Water (DGW) = 10.92 1/100 ft

Length of Water Column (LWC) = TWD - DGW = ~~4.87~~ 4.53 1/100 ft

1 Casing Volume (OCV) = LWC x 0.041 = ~~0.2~~ 0.18 gallons

5 Casing Volumes = ~~1.0~~ 0.92 gallons

Method of Well Development Peristaltic pump

Total Volume of Water Removed 2 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Temperature (°C)	pH	Eh	Specific Conductivity (µmhos/cm)	Turbidity/Color	Sand Content (%)	Remarks
6/7 0820		0.05					Brown	40%	
6/7 0830		0.1					Light brown	10%	
6/7 0840		0.2					Clear	0%	
6/7 0930		2.0					Clear	0%	

COMMENTS/OBSERVATIONS: Very slow recharge.

AECOM

Monitoring Well Development Log

Date Started (yr/mo/day) 6/7/23 Date Completed (yr/mo/day) 6/7/23

Field Personnel TB, Stefan

Site Name Valmont Composite Structures

Job # ~~60635197~~ 60708901

Well ID # MW-37

____ Upgradient __√__ Downgradient

Weather Conditions Clear

Air Temperature 75 °F

Total Well Depth (TWD) = 15.24 1/100 ft

Depth to Ground Water (DGW) = 10.33 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 4.91 1/100 ft

1 Casing Volume (OCV) = LWC x 0.041 = 0.20 gallons

5 Casing Volumes = 1.01 gallons

Method of Well Development Peristaltic pump

Total Volume of Water Removed 2 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Temperature (°C)	pH	Eh	Specific Conductivity (µmhos/cm)	Turbidity/Color	Sand Content (%)	Remarks
6/7 1100		0.5					Clear	0	
6/7 1110		1					Clear	0	
6/7 1130		2					Clear	0	

COMMENTS/OBSERVATIONS:

AECOM

Monitoring Well Development Log

Date Started (yr/mo/day) 6/7/23 Date Completed (yr/mo/day) 6/7/23

Field Personnel TB

Site Name Valmont Composite Structures

Job # ~~60635197~~ 60708901

Well ID # MW-38

____ Upgradient V Downgradient

Weather Conditions Clear

Air Temperature 88 °F

Total Well Depth (TWD) = 14.33 1/100 ft

Depth to Ground Water (DGW) = 10.26 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 4.07 1/100 ft

1 Casing Volume (OCV) = LWC x 0.0408 = 0.17 gallons

5 Casing Volumes = 0.83 gallons

Method of Well Development Peristaltic pump

Total Volume of Water Removed 1.5 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Temperature (°C)	pH	Eh	Specific Conductivity (µmhos/cm)	Turbidity/Color	Sand Content (%)	Remarks
6/7 1300		0.5					Clear	0	
6/7 1310		1					Clear	0	
6/7 1320		1.5					Clear	0	

COMMENTS/OBSERVATIONS:

Survey Pt #	Northing	Easting	Elevation
236	904396.6120	1807938.3950	556.34
237	904435.5602	1807965.8401	556.69
238	904460.3591	1807981.1432	556.81
239	904460.3591	1807981.1432	556.81
240	904458.0130	1807984.5185	556.94
241	904458.0130	1807984.5185	556.94
242	904487.9266	1807995.5271	555.66
243	904492.0593	1808000.2961	555.78
244	904495.4688	1807995.9726	555.58
245	904491.8116	1807992.0254	555.58
246	904494.5313	1807995.6856	555.97
247	904491.7668	1807992.8270	556.03
248	904488.8148	1807995.7588	556.01
249	904491.7109	1807998.6901	556.07
250	904509.2813	1808019.5965	556.67
251	904509.2813	1808019.5965	556.67
252	904506.4631	1808023.4044	556.96
253	904506.4631	1808023.4044	556.96
254	904509.2314	1808025.7188	556.92
255	904515.1102	1808026.6728	556.57
256	904478.2135	1808058.3384	560.83
257	904467.5034	1808072.2330	561.14
258	904444.0516	1808062.9101	561.42
259	904452.2667	1808050.8442	561.32
260	904452.2667	1808050.8442	561.32
261	904486.9086	1808073.4876	560.90
262	904486.9086	1808073.4876	560.90
263	904486.9086	1808073.4876	560.90
264	904480.4571	1808082.5332	561.09
265	904525.6703	1808024.4696	556.06
266	904529.3873	1808036.6088	556.69
267	904528.3867	1808038.0846	556.69
268	904501.1985	1808078.8797	560.53
269	904495.4910	1808066.8801	560.59
270	904522.6598	1808030.7839	556.65
271	904470.7864	1807974.9249	556.41
272	904449.6031	1808004.9875	560.30
273	904438.7803	1808015.1264	561.26
274	904426.6451	1808030.4968	560.95
275	904415.4796	1808044.7968	561.31
276	904445.0722	1807989.2517	557.97
277	904444.9719	1807989.8666	558.24
278	904444.2481	1807990.6824	558.28
279	904584.5606	1808085.2867	555.70
282	904239.2118	1808525.9262	560.84
283	904260.7680	1808540.3202	560.67

284	904270.7291	1808548.3623	560.35
285	904255.3574	1808580.7153	560.34
286	904254.6403	1808582.1617	560.38
287	904237.1123	1808576.6079	560.59
288	904236.7716	1808574.6722	560.55
289	904222.3728	1808573.8547	560.78
290	904222.0280	1808575.4553	560.75
291	904212.6858	1808566.6410	561.04
292	904211.9560	1808568.2660	561.02
293	904181.4505	1808599.3671	561.24
294	904211.6516	1808617.6439	560.41
295	904225.0358	1808624.8924	560.30
296	904239.5703	1808629.3132	560.13
297	904244.4429	1808578.1147	560.46
298	904244.2173	1808578.8797	560.51
299	904246.3871	1808579.7892	560.48
300	904246.5163	1808578.8846	560.43
301	904245.5013	1808579.0525	560.58
302	904251.3795	1808561.7140	560.52
303	904250.8011	1808561.0475	560.65
304	904250.4526	1808560.1914	560.42
305	904254.1976	1808519.6310	561.02
306	904254.0503	1808520.8409	561.01
307	904254.1413	1808521.5917	560.63
308	904293.5275	1808544.4324	559.95
309	904294.0262	1808543.7288	559.72
310	904271.6039	1808577.4581	559.99
311	904271.4014	1808576.3782	560.25
312	904214.2912	1808559.1677	560.98
313	904213.7413	1808560.3930	560.76
314	904202.1863	1808602.0062	560.61
315	904201.7308	1808600.9671	560.69
317	904169.0244	1808510.8282	561.54
318	904168.5347	1808512.0467	561.52
319	904169.6144	1808510.2371	561.52
320	904167.7154	1808513.3732	561.32
321	904199.0173	1808537.3466	561.54
322	904198.4551	1808537.8956	561.47
323	904168.9808	1808540.4355	561.50
324	904168.9478	1808540.9291	561.21
326	904177.1990	1808572.5724	561.58
327	904177.9809	1808572.3056	561.55

Description
PAINTED WATER
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FIRE HYDRANT
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POST INDICATOR VALVE
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MONITORING WELL_CASING MW-8
SPOT SHOT
GROUND SHOT
MONITORING WELL_CASING MW-8
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MISC ROCK OUTCROPPING
SPOT SHOT
GROUND SHOT
SPOT SHOT
MONITORING WELL_CASING MW-38 = SB-10
GROUND SHOT
SPOT SHOT
MONITORING WELL_CASING MW-36 = SB-6
SPOT SHOT
MONITORING WELL_CASING MW-37 = SB-7
SB B-9
GROUND SHOT
GROUND SHOT
SB B-8
SB B-11
GROUND SHOT
SPOT SHOT
SB B-1
SB B-2
MONITORING WELL_CASING MW-34 = SB-3
SPOT SHOT
MONITORING WELL_CASING MW-31
SPOT SHOT
MONITORING WELL_CASING MW-35 = SB-4
SPOT SHOT
SB B-5

Attachment 2

Groundwater Sampling Forms – Additional Assessment June 2023

AECOM

Well ID: MW-34

Low Flow Ground Water Sample Collection Record

Client: Valmont Composite Structures Date: 6/8/23 Time: Start 1025 am/pm
Project No: ~~60635147~~ 60708901 Finish 1058 am/pm
Site Location: Newberry, SC
Weather Conds: Cloudy, 74 Collector(s): Trevor Brown

1. **WATER LEVEL DATA: (measured from Top of Casing)**

a. Total Well Length 23.38' c. Length of Water Column 12.38 (a-b)

Casing Diameter/Material 1"/PVC

b. Water Table Depth 11.00 d. Calculated System Volume (see back) 0.51 gal ~~0.13~~ 1.93L

2. **WELL PURGE DATA**

a. Purge Method: Peristaltic pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	556	17L103751
	MicroTPW	20000	20070302b
	Keck Water Level Meter		2358

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1026	0	22.5	6.60	167.1	2.02	-260.9	467.4	~~2070~~	0	Brown/None
1031	0.35	23.4	6.36	142.9	~~1.78~~	-282.4	314.0		0.3+12	Brown/None
1036	0.7	22.4	6.17	118.5	1.59	-300.2	279.5		0.21	Brown/None
1041	1.05	22.4	6.10	108.4	1.71	-282.6	143.6		0.22	Light brown/None
1046	1.4	22.4	6.07	103.5	1.74	-274.0	64.43		0.22	Clear/None
1051	1.75	22.4	6.04	101.1	1.76	-275.8	60.21		0.22	Clear/None
1056	2.1	22.4	6.02	99.8	1.74	-272.3	58.78		0.22	Clear/None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☑	☐
Has required turbidity been reached	☐	☑	☐
Have parameters stabilized	☑	☐	☐

If no or N/A - Explain below.

Parameters stabilized prior to 3 well volumes removed.

3. **SAMPLE COLLECTION:** Method: Peristaltic pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
MW-34	40mL amber	3	HCl	8260D TCL VOC	1058

Comments None.

Signature Trevor Brown Date 6/8/23

AECOM

Well ID: MW-35

Low Flow Ground Water Sample Collection Record

Client: Valmont Composite Structures Date: 6/8/23 Time: Start 1113 am/pm
Project No: ~~60635197~~ 60708901 Finish 1202 am/pm
Site Location: Newberry, SC
Weather Conds: Cloudy, 75 Collector(s): Trevor Brown

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 23.40 c. Length of Water Column 12.59 (a-b) Casing Diameter/Material 1" / PVC

b. Water Table Depth 10.81 d. Calculated System Volume (see back) 1.94L

2. WELL PURGE DATA

a. Purge Method: Peristaltic Pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	556	17L103731
	MicroTPW	20000	20070303b
	Keck Waterlevel Meter		352358

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1115	0	22.2	6.43	145.3	3.15	-246.4	336.0	100	0	Brown/None
1120	0.5	22.2	6.40	138.4	2.35	-248.9	281.7		0.46	Brown/None
1125	1.0	22.2	6.33	123.1	2.07	-247.8	227.3		0.47	Light brown/None
1130	1.5	22.2	6.22	111.6	1.88	-261.1	202.6		0.49	Light brown/None
1135	2.0	22.3	6.05	86.5	1.62	-271.8	131.6		0.49	Light brown/None
1140	2.5	22.2	5.96	83.2	1.61	-282.0	68.93		0.49	Clear/None
1145	3.0	22.2	5.87	68.6	1.39	-281.5	56.81		0.49	Clear/None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☑	☐
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☑	☐	☐

If no or N/A - Explain below.

Parameters stabilized prior to 3 well volumes purged.

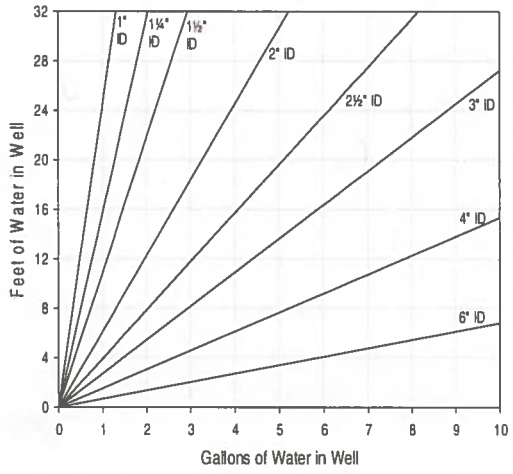
3. SAMPLE COLLECTION: Method: Peristaltic pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
MW-35	40mL amber	3	HCl	8260D TCL VOC	1202

Comments None

Signature Trevor Brown Date 6/8/23

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1150	3.5	22.2	5.82	64.8	1.35	-267.0	46.60	100	0.49	Clear/None
1155	4	22.2	5.79	63.4	1.35	-268.8	44.43	100	0.49	Clear/None
1200	4.5	22.2	5.76	62.8	1.33	-266.3	44.45	100	0.49	Clear/None

AECOM

Well ID: MW-36

Low Flow Ground Water Sample Collection Record

Client: Valmont Composite Materials Date: 6/8/23 Time: Start 1355 am/pm
Project No: ~~60635192~~ 60708901 Finish 1625 am/pm
Site Location: Newberry, SC
Weather Conds: Sunny, 82 Collector(s): Trevor Brown

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 15.45 c. Length of Water Column 3.01 (a-b) Casing Diameter/Material 1" / PVC

b. Water Table Depth 10.82 d. Calculated System Volume (see back) 0.46L

2. WELL PURGE DATA

a. Purge Method: Peristaltic pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	±1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	556	17L103731
	MicroTPW	20000	20070302b
	Keck Water level meter		2358

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1357	0	20.5	5.54	77.5	7.01	130.0	137.3	40	0	Clear/None
1402	0.2	20.3	5.58	88.1	5.85	86.2	586.2	40	2.36	Brown/None
1407	0.4	20.1	5.54	94.6	5.16	37.4	1014	40	2.99	Brown/None

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☑
Has required turbidity been reached	☐	☐	☑
Have parameters stabilized	☐	☐	☑

(continued on back)

If no or N/A - Explain below.
Purged well dry, left to recharge and sampled after recharge

3. SAMPLE COLLECTION: Method: Peristaltic Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
MW-36	40mL amber	3	HCl	8260D TCL VOC	1625

Comments None

Signature Trevor Brown Date 6/8/23

AECOM

Well ID: MW-37

Low Flow Ground Water Sample Collection Record

Client: Valmont Composite Structures Date: 6/8/23 Time: Start 1305 am/pm
Project No: ~~60635197~~ 60708901 Finish 1605 am/pm
Site Location: Newberry, SC
Weather Conds: Sunny, 80 Collector(s): Trevor Brown

1. **WATER LEVEL DATA: (measured from Top of Casing)**

a. Total Well Length 15.03 c. Length of Water Column 4.65 (a-b) Casing Diameter/Material 1" / PVC

b. Water Table Depth 10.38 d. Calculated System Volume (see back) 0.72

2. **WELL PURGE DATA**

a. Purge Method: Peristaltic Pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	556	17L103731
	MicroTPW	20000	20070305
	Keck Water Level Meter		2358

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1307	0	22.8	6.41	77.3	6.08	2.3	71.38	~~80~~ 40	0	Clear/None
1312	~~0.402~~	23.2	5.89	67.6	4.98	55.5	101.6	40	2.47	Clear/None
1317	0.4	22.7	5.82	60.8	4.53	35.8	114.1	40	3.69	Clear/None
1322	0.6	22.6	5.73	51.5	4.12	17.3	121.7	40	4.64	Clear/None

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☑
Has required turbidity been reached	☐	☐	☑
Have parameters stabilized	☐	☐	☑

(continued on back)

If no or N/A - Explain below.
Purged well dry, left to recharge and sampled after recharge

3. **SAMPLE COLLECTION:** Method: Peristaltic pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
MW-37	40 40mL amber	3	HCl	8260D TCL VOC	1605

Comments

Signature Trevor Brown Date 6/8/23

AECOM

Well ID: MW-38

Low Flow Ground Water Sample Collection Record

Client: Valmont Composite Structures Date: 6/8/23 Time: Start 1455 am/pm
Project No: 60635197 60708901 Finish 1549 am/pm
Site Location: Newberry, SC
Weather Conds: Cloudy, 82 Collector(s): Trevor Brown

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 14.33 c. Length of Water Column 4.05 (a-b) Casing Diameter/Material 1"/PVC

b. Water Table Depth 10.28 d. Calculated System Volume (see back) 0.62L

2. WELL PURGE DATA

a. Purge Method: Peristaltic pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	±1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	556	17L103731
	MicroTPW	20000	20020302G
	Keck Water level meter		2358

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1457	0	20.5	6.39	200.7	4.17	55.1	225.6	40	0	Brown/None
1502	0.2	20.0	5.76	97.9	2.35	34.1	852.3	40	2.34	Brown/None
1507	0.4	20.2	5.62	69.1	2.50	-42.5	1058	40	2.68	Brown/None
1512	0.6	20.2	5.63	79.1	3.35	4.8	443.4	40	2.90	Brown/None
1517	0.8	20.4	5.60	75.5	3.97	32.5	288.6	40	2.90	Brown/None
1522	1.0	20.9	5.58	72.8	4.13	64.0	173.1	40	2.80	Brown/None
1527	1.2	21.0	5.56	70.4	4.18	73.2	111.5	40	2.90	Light brown/None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☑	☐	☐
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

If no or N/A - Explain below.
3 well volumes purged.

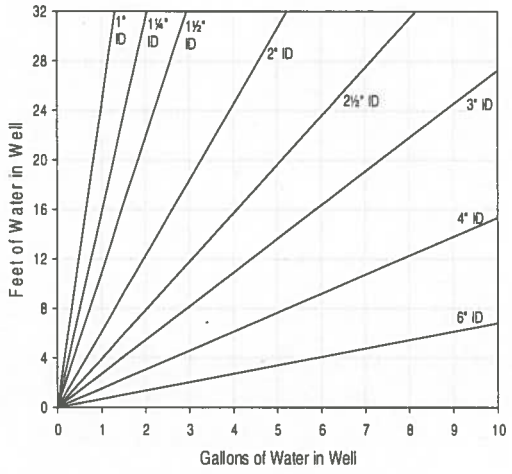
3. SAMPLE COLLECTION: Method: Peristaltic pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
MW-38	40mL amber	3	HCl	8260D TCL VOC	1549
Dup-1-20230608	SAA	3	HCl	8260D TCL VOC	-

Comments Dup-1-20230608

Signature Trevor Brown Date 6/8/23

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1532	1.4	21.2	5.51	69.4	4.25	81.3	87.36	40	2.90	Clear / None
1537	1.6	21.0	5.48	68.6	4.38	82.0	63.07	40	2.90	↓
1542	1.8	20.7	5.47	67.0	4.43	94.7	41.00	40	2.90	↓
1547	2.0	20.5	5.45	66.4	4.53	95.4	32.98	40	2.90	↓
↓										

AECOM

Well ID: MW-10

Low Flow Ground Water Sample Collection Record

Client: Valmont Composite Structures Date: 6/9/23 Time: Start 0944 am/pm
Project No: 60708901 Finish 1038 am/pm
Site Location: Newberry, SC
Weather Conds: Cloudy, 73 Collector(s): Trevor Brown

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 29.13 c. Length of Water Column 18.61 (a-b) Casing Diameter/Material 2" PVC

b. Water Table Depth 10.52 d. Calculated System Volume (see back) 11.5L

2. WELL PURGE DATA

a. Purge Method: Peristaltic Pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	556	17L103731
	MicroTPW	20000	200703026
	Keck Water Level Meter		2358

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0946	0.3	17.1	6.63	483.4	0.35	-19.3	49.98	60	0	Clear/Slight
0951	0.6	16.9	6.64	485.4	0.25	-35.5	26.93		1.28	
0956	0.9	17.0	6.66	484.5	0.21	-40.2	38.14		1.81	
1001	1.2	17.1	6.65	483.9	0.19	-42.7	38.44		2.23	
1006	1.4	17.1	6.66	481.5	0.17	-43.4	26.67		2.60	
1011	1.6	17.2	6.64	477.6	0.16	-43.0	29.71		2.94	
1016	1.8	17.2	6.64	475.8	0.15	-43.0	32.02		3.27	

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☐
Has required turbidity been reached	☐	☐	☐
Have parameters stabilized	☐	☐	☐

If no or N/A - Explain below.
Parameters stabilized prior to 3 well volumes purged.

(continued on back)

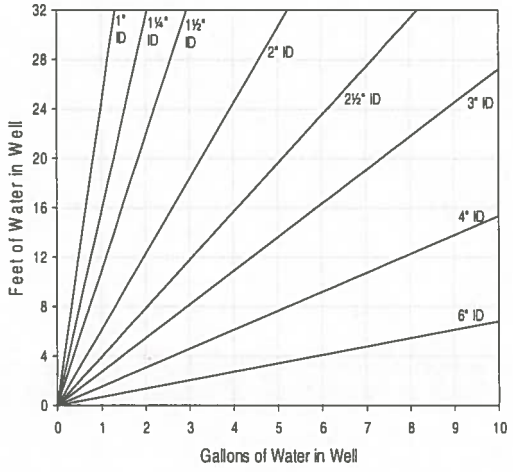
3. SAMPLE COLLECTION: Method: Peristaltic Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
MW-10	40mL Amber	3	HCl	TCL VOCs 8260D →	1038

Comments Slight organic odor

Signature Trevor Brown Date 6/9/23

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
1021	2.0	17.3	6.63	472.0	0.14	-42.9	32.09	60	3.45	Clear/Slight
1026	2.2	17.3	6.63	469.4	0.14	-42.9	32.71	"	3.68	"
1031	2.4	17.3	6.63	468.7	0.13	-42.8	32.31	"	3.82	"
1036	2.6	17.4	6.63	467.3	0.13	-43.0	32.00	"	3.95	"

AECOM

Well ID: ERD-OBSW-1

Low Flow Ground Water Sample Collection Record

Client: Valmont Composite Structures, Date: 6/9/23 Time: Start 0828 am/pm
Project No: 60708401 Finish 0927 am/pm
Site Location: Newberry, SC
Weather Conds: Cloudy, 72 Collector(s): Trevor Brown

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 30.28 c. Length of Water Column 19.69 (a-b) Casing Diameter/Material 2"/PVC

b. Water Table Depth 10.59 d. Calculated System Volume (see back) 12.1 L

2. WELL PURGE DATA

a. Purge Method: Peristaltic Pump

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

	Make	Model	Serial Number
	YSI	556	17L103731
	MicroTPW	20000	20070302b
	Keck Water Level meter		2358

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0830	0	17.1	5.40	329.0	1.26	210.4	136.2	40	0	Clear/odor
0835	0.2	17.0	5.38	310.3	0.94	196.7	41.81		1.01	
0840	0.4	17.0	5.41	309.5	0.83	188.0	15.11		1.03	
0845	0.6	17.0	5.44	309.7	0.76	173.2	1.76		1.04	
0850	0.8	17.0	5.44	309.7	0.77	166.9	0		1.05	
0855	1.0	17.0	5.44	311.5	0.74	152.1	0		1.06	
0900	1.2	17.1	5.40	312.6	0.66	135.0	0		1.10	

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☑	☐
Has required turbidity been reached	☑	☐	☐
Have parameters stabilized	☑	☐	☐

(continued on back)

If no or N/A - Explain below.
Parameters stabilized prior to 3 well volumes purged.

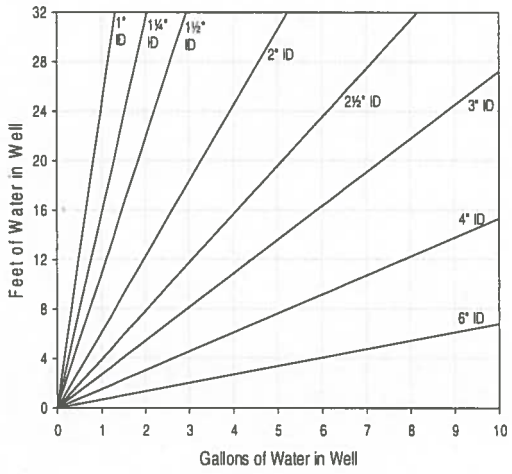
3. SAMPLE COLLECTION: Method: Peristaltic Pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
ERD-OBSW-1	40mL amber	3	HCl	8260D TCL VOC	0927

Comments Organic odor

Signature Trevor Brown Date 6/9/23

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

Time (24 hr)	Volume Removed (Liters)	Temp (°C)	pH	Spec. Cond (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (ft)	Color/Odor
0905	1.4	17.1	5.52	317.6	0.68	85.3	0	40	1.11	Clear/Odor
0910	1.6	17.2	5.67	319.1	0.62	62.7	0	40	1.12	"
0915	1.8	17.2	5.60	320.4	0.65	43.6	0	40	1.13	"
0920	2.0	17.2	5.58	318.3	0.68	46.2	0	40	1.14	"
0925	2.2	17.2	5.55	317.6	0.69	50.5	0	40	1.14	"

AECOM

FIELD INSTRUMENT CALIBRATION LOG

Project Name: Walnut Composite Stn
Project Number: ~~60326197~~ 60209901
Calibrated By: TB
Signature: [signature]

YSI 556 SN: -
Turbidity Meter Model/SN: -
Additional Equipment SN: MiniRae 3000 - 592-925461
Date: 6-5-23
6-6-23
6-7-23

Operation Notes:
1) Turn meter on in Run mode and allow to warm up 10 to 15 minutes prior to calibration.
2) Observe DO % for 2-3 minutes when meter is initially turned on. The unit should display decreasing values until it is stabilized near 100%.
3) If the meter does not stabilize at/near 100%, indicates the DO sensor requires maintenance.

These values should be keyed in when calibrating a water quality meter. Be sure to use the temperature of the standards, not ambient temperature; and be sure the temperature sensor is submerged in the solution.

PID calibrations 6/5 - 6/7

Table 1: Calibration Values At Various Temperatures

Temp. C	pH 4	pH 7	pH 10	Conductivity	ORP
5	4.00	7.07	10.19	896.00	257.00
10	4.00	7.06	10.16	1020.00	250.50
15	4.00	7.04	10.10	1147.00	244.00
20	4.00	7.02	10.05	1278.00	237.50
25	4.00	7.01	10.01	1413.00	231.00
30	4.00	6.99	9.96	1548.00	224.50

mm Hg = millimeters of mercury. Note that the YSI 556 uses this information ONLY when the DO calibration is being done. After calibration is complete it no longer corrects for pressure change. Verify the meter is correct for your altitude when calibrating.

Table 2: Atmospheric Pressure / Altitude Table

Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)
0	760	1126	730	2290	699
278	752	1413	722	2587	692
558	745	1703	714	2887	684
841	737	1995	707	3190	676

Table 3: DO % Saturation Vs. Temperature

Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO
15	10.084	20	9.092	25	8.263	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

YSI 556 Calibration

Parameter	Before Calibration	After Calibration	Time	Units
Barametric Pressure				mmHg
Temperature (Saturated Air)				C
Temperature (Calibration Solution)				C
DO				mg/L
pH 7				SU
pH 4				SU
pH 10				SU
Specific Conductance				mS/cm
ORP				mV

MicroTPW Calibration

Calibrations performed 0.02, 10, and 1,000 NTU	Calibrations accepted:	Yes	No
		(circle one)	

zero gas cal	Before 0.2-0.4ppm	After 0.0ppm	6-5-23	
	Before 0.1-0.3ppm	After 0.0ppm	6-6-23	
	0.2-1.2ppm	0.0ppm	6-7-23	

AECOM

FIELD INSTRUMENT CALIBRATION LOG

Project Name: Valmont Composite Structures
Project Number: 60689192 60708901
Calibrated By: Trevor Brown
Signature: Trevor Brown

YSI 556 SN: 17L103731
Turbidity Meter Model/SN: MicroTPW 20000/20070026
Additional Equipment SN: —
Date: 6/8/23

Operation Notes:
1) Turn meter on in Run mode and allow to warm up 10 to 15 minutes prior to calibration.
2) Observe DO % for 2-3 minutes when meter is initially turned on. The unit should display decreasing values until it is stabilized near 100%.
3) If the meter does not stabilize at/near 100%, indicates the DO sensor requires maintenance.

These values should be keyed in when calibrating a water quality meter. Be sure to use the temperature of the standards, not ambient temperature; and be sure the temperature sensor is submerged in the solution.

Table 1: Calibration Values At Various Temperatures

Temp. C	pH 4	pH 7	pH 10	Conductivity	ORP
5	4.00	7.07	10.19	896.00	257.00
10	4.00	7.06	10.16	1020.00	250.50
15	4.00	7.04	10.10	1147.00	244.00
20	4.00	7.02	10.05	1278.00	237.50
25	4.00	7.01	10.01	1413.00	231.00
30	4.00	6.99	9.96	1548.00	224.50

mm Hg = millimeters of mercury. Note that the YSI 556 uses this information ONLY when the DO calibration is being done. After calibration is complete it no longer corrects for pressure change. Verify the meter is correct for your altitude when calibrating.

Table 2: Atmospheric Pressure / Altitude Table

Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)
0	760	1126	730	2290	699
278	752	1413	722	2587	692
558	745	1703	714	2887	684
841	737	1995	707	3190	676

Table 3: DO % Saturation Vs. Temperature

Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO
15	10.084	20	9.092	25	8.263	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

YSI 556 Calibration

Parameter	Before Calibration	After Calibration	Time	Units
Barametric Pressure	739.8 mmHg		0944	mmHg
Temperature (Saturated Air)	21.7 °C	20.8 °C	0944	C
Temperature (Calibration Solution)	25.5 °C	25.1 °C	0945	C
DO	101.1%	101.3%	0945	mg/L
pH 7	7.06	7.00	0930	SU
pH 4	4.15	4.00	0933	SU
pH 10	9.86	10.00	0936	SU
Specific Conductance	1320 uS/cm	1409 uS/cm	0939	mS/cm
ORP	228.1 mV	237.6 mV	0942	mV

MicroTPW Calibration

Calibrations performed 0.02, 10, and 1,000 NTU	Calibrations accepted: (Yes) No (circle one)
0.00 10.00 1008	

AECOM

FIELD INSTRUMENT CALIBRATION LOG

Project Name: Valmont Composite
Project Number: 60708901
Calibrated By: Trevor Brown
Signature: Trevor Brown

YSI 556 SN: 12L103731
Turbidity Meter Model/SN: MicroTPW 20000/20050826
Additional Equipment SN: -
Date: 6/8-6/9/23

Operation Notes:
1) Turn meter on in Run mode and allow to warm up 10 to 15 minutes prior to calibration.
2) Observe DO % for 2-3 minutes when meter is initially turned on. The unit should display decreasing values until it is stabilized near 100%.
3) If the meter does not stabilize at/near 100%, indicates the DO sensor requires maintenance.

These values should be keyed in when calibrating a water quality meter. Be sure to use the temperature of the standards, not ambient temperature; and be sure the temperature sensor is submerged in the solution.

Table 1: Calibration Values At Various Temperatures

Temp. C	pH 4	pH 7	pH 10	Conductivity	ORP
5	4.00	7.07	10.19	896.00	257.00
10	4.00	7.06	10.16	1020.00	250.50
15	4.00	7.04	10.10	1147.00	244.00
20	4.00	7.02	10.05	1278.00	237.50
25	4.00	7.01	10.01	1413.00	231.00
30	4.00	6.99	9.96	1548.00	224.50

mm Hg = millimeters of mercury. Note that the YSI 556 uses this information ONLY when the DO calibration is being done. After calibration is complete it no longer corrects for pressure change. Verify the meter is correct for your altitude when calibrating.

Table 2: Atmospheric Pressure / Altitude Table

Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)
0	760	1126	730	2290	699
278	752	1413	722	2587	692
558	745	1703	714	2887	684
841	737	1995	707	3190	676

Table 3: DO % Saturation Vs. Temperature

Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO	Temp C.	DO
15	10.084	20	9.092	25	8.263	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

YSI 556 Calibration

Parameter	Before Calibration	After Calibration	Time	Units
Barametric Pressure	742.5		0815	mmHg
Temperature (Saturated Air)	15.6	19.0	0816	C
Temperature (Calibration Solution)	22.1	21.8	0815	C
DO	97.9	98.4	0812	mg/L
pH 7	7.14	7.01	0757	SU
pH 4	4.05	4.00	0800	SU
pH 10	9.75	10.04	0803	SU
Specific Conductance	1183	1277	0806	mS/cm
ORP	242.1	237.6	0809	mV

MicroTPW Calibration

Calibrations performed 0.02, 10, and 1,000 NTU 0.05 12.50 1100	Calibrations accepted: (Yes) No (circle one)

Attachment 3

Laboratory Analytical Report – Additional Assessment of June 2023

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

June 19, 2023

Dave Oliphant
AECOM Environment
10 Patewood Drive
Bldg. VI, Ste. 500
Greenville, SC 29615

RE: Project: NEWBERRY, SC
Pace Project No.: 92671746

Dear Dave Oliphant:

Enclosed are the analytical results for sample(s) received by the laboratory on June 10, 2023. 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 - Charlotte

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: NEWBERRY, SC
Pace Project No.: 92671746

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92671746001	**MW-34**	Water	06/08/23 10:58	06/10/23 11:25
92671746002	**MW-35**	Water	06/08/23 12:02	06/10/23 11:25
92671746003	**MW-36**	Water	06/08/23 16:25	06/10/23 11:25
92671746004	**MW-37**	Water	06/08/23 16:05	06/10/23 11:25
92671746005	**MW-38**	Water	06/08/23 15:49	06/10/23 11:25
92671746006	**MW-10**	Water	06/09/23 10:38	06/10/23 11:25
92671746007	**ERD-OB5W-1**	Water	06/09/23 09:27	06/10/23 11:25
92671746008	**IDW-SOIL**	Solid	06/08/23 16:40	06/10/23 11:25
92671746009	**IDW-GW**	Water	06/08/23 16:50	06/10/23 11:25
92671746010	**DUP-1-20230608**	Water	06/08/23 00:00	06/10/23 11:25
92671746011	**FB-1-20230608**	Water	06/08/23 15:56	06/10/23 11:25
92671746012	**FB-1-20230609**	Water	06/09/23 10:00	06/10/23 11:25
92671746013	**TRIP BLANK**	Water		06/10/23 11:25

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: NEWBERRY, SC
Pace Project No.: 92671746

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92671746001	**MW-34**	EPA 8260D	LMB	55	PASI-C
92671746002	**MW-35**	EPA 8260D	LMB	55	PASI-C
92671746003	**MW-36**	EPA 8260D	LMB	55	PASI-C
92671746004	**MW-37**	EPA 8260D	LMB	55	PASI-C
92671746005	**MW-38**	EPA 8260D	LMB	55	PASI-C
92671746006	**MW-10**	EPA 8260D	LMB	55	PASI-C
92671746007	**ERD-OB5W-1**	EPA 8260D	LMB	55	PASI-C
92671746008	**IDW-SOIL**	EPA 8260D	SAS	14	PASI-C
92671746009	**IDW-GW**	EPA 8260D	JJK	55	PASI-C
92671746010	**DUP-1-20230608**	EPA 8260D	JJK	55	PASI-C
92671746011	**FB-1-20230608**	EPA 8260D	SAS	55	PASI-C
92671746012	**FB-1-20230609**	EPA 8260D	SAS	55	PASI-C
92671746013	**TRIP BLANK**	EPA 8260D	SAS	55	PASI-C

PASI-C = Pace Analytical Services - Charlotte

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: NEWBERRY, SC
Pace Project No.: 92671746

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92671746001	**MW-34**					
EPA 8260D	Acetone	43.0	ug/L	25.0	06/16/23 08:04	
EPA 8260D	Ethylbenzene	0.59J	ug/L	1.0	06/16/23 08:04	
EPA 8260D	Styrene	109	ug/L	1.0	06/16/23 08:04	
EPA 8260D	Toluene	0.63J	ug/L	1.0	06/16/23 08:04	
92671746002	**MW-35**					
EPA 8260D	cis-1,2-Dichloroethene	6.6	ug/L	5.0	06/16/23 11:42	
EPA 8260D	Methylene Chloride	19.0J	ug/L	25.0	06/16/23 11:42	C9
EPA 8260D	Styrene	22.0	ug/L	5.0	06/16/23 11:42	
EPA 8260D	Trichloroethene	681	ug/L	5.0	06/16/23 11:42	
92671746003	**MW-36**					
EPA 8260D	Acetone	24.7J	ug/L	25.0	06/16/23 08:22	
EPA 8260D	Chloroform	0.57J	ug/L	1.0	06/16/23 08:22	
EPA 8260D	Styrene	6.5	ug/L	1.0	06/16/23 08:22	
EPA 8260D	Trichloroethene	12.7	ug/L	1.0	06/16/23 08:22	
92671746004	**MW-37**					
EPA 8260D	Styrene	9.9	ug/L	1.0	06/16/23 08:40	
EPA 8260D	Trichloroethene	21.1	ug/L	1.0	06/16/23 08:40	
92671746005	**MW-38**					
EPA 8260D	Chloroform	0.95J	ug/L	1.0	06/16/23 08:58	
EPA 8260D	Styrene	1.1	ug/L	1.0	06/16/23 08:58	
EPA 8260D	Trichloroethene	10	ug/L	1.0	06/16/23 08:58	
92671746006	**MW-10**					
EPA 8260D	1,2-Dichloroethane	3.2J	ug/L	4.0	06/16/23 11:24	
EPA 8260D	cis-1,2-Dichloroethene	13.8	ug/L	4.0	06/16/23 11:24	
EPA 8260D	Methylene Chloride	15.1J	ug/L	20.0	06/16/23 11:24	C9
EPA 8260D	Trichloroethene	464	ug/L	4.0	06/16/23 11:24	
92671746007	**ERD-OB5W-1**					
EPA 8260D	1,2-Dichloroethane	0.95J	ug/L	2.0	06/16/23 11:06	
EPA 8260D	cis-1,2-Dichloroethene	81.4	ug/L	2.0	06/16/23 11:06	
EPA 8260D	Methylene Chloride	8.7J	ug/L	10.0	06/16/23 11:06	C9
EPA 8260D	Trichloroethene	199	ug/L	2.0	06/16/23 11:06	
92671746009	**IDW-GW**					
EPA 8260D	Acetone	521J	ug/L	625	06/18/23 18:46	
EPA 8260D	Styrene	87.7	ug/L	25.0	06/18/23 18:46	
EPA 8260D	Trichloroethene	40.8	ug/L	25.0	06/18/23 18:46	
92671746010	**DUP-1-20230608**					
EPA 8260D	Chloroform	1.0J	ug/L	1.0	06/18/23 14:13	
EPA 8260D	Styrene	0.95J	ug/L	1.0	06/18/23 14:13	
EPA 8260D	Trichloroethene	9.6	ug/L	1.0	06/18/23 14:13	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: NEWBERRY, SC
Pace Project No.: 92671746

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: AECOM, SC
Date: June 19, 2023

General Information:
12 samples were analyzed for EPA 8260D by Pace Analytical Services Charlotte. 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.

QC Batch: 780270

v2: The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

- BLANK (Lab ID: 4047613)
  - Bromomethane
  - Dichlorodifluoromethane
- FB-1-20230608 (Lab ID: 92671746011)
  - Bromomethane
  - Dichlorodifluoromethane
- FB-1-20230609 (Lab ID: 92671746012)
  - Bromomethane
  - Dichlorodifluoromethane
- TRIP BLANK (Lab ID: 92671746013)
  - Bromomethane
  - Dichlorodifluoromethane

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

- LCS (Lab ID: 4047614)
  - Bromomethane
  - Dichlorodifluoromethane
- MS (Lab ID: 4047615)
  - Bromomethane
- MSD (Lab ID: 4047616)
  - Bromomethane

QC Batch: 780851

v2: The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

- DUP (Lab ID: 4051066)
  - Bromomethane

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PROJECT NARRATIVE

Project: NEWBERRY, SC
Pace Project No.: 92671746

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: AECOM, SC
Date: June 19, 2023

QC Batch: 780851

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

- MS (Lab ID: 4051067)
  - Bromomethane
- MW-37 (Lab ID: 92671746004)
  - Bromomethane

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.

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

Additional Comments:

Analyte Comments:

QC Batch: 780851

C9: Common Laboratory Contaminant.

- ERD-OB5W-1 (Lab ID: 92671746007)
  - Methylene Chloride
- MW-10 (Lab ID: 92671746006)
  - Methylene Chloride
- MW-35 (Lab ID: 92671746002)
  - Methylene Chloride

QC Batch: 781277

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- IDW-GW (Lab ID: 92671746009)
  - 4-Bromofluorobenzene (S)

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PROJECT NARRATIVE

Project: NEWBERRY, SC
Pace Project No.: 92671746

Method: **EPA 8260D**
Description: 8260D MSV TCLP
Client: AECOM, SC
Date: June 19, 2023

General Information:
1 sample was analyzed for EPA 8260D by Pace Analytical Services Charlotte. 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.

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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: MW-34 **Lab ID: 92671746001** Collected: 06/08/23 10:58 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**43.0**	ug/L	25.0	5.1	1		06/16/23 08:04	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		06/16/23 08:04	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.47	1		06/16/23 08:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		06/16/23 08:04	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		06/16/23 08:04	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		06/16/23 08:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		06/16/23 08:04	78-93-3	
Carbon disulfide	ND	ug/L	2.0	0.73	1		06/16/23 08:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		06/16/23 08:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		06/16/23 08:04	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		06/16/23 08:04	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		06/16/23 08:04	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		06/16/23 08:04	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		06/16/23 08:04	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		06/16/23 08:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		06/16/23 08:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/16/23 08:04	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/16/23 08:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/16/23 08:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/16/23 08:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		06/16/23 08:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		06/16/23 08:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		06/16/23 08:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		06/16/23 08:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		06/16/23 08:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		06/16/23 08:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		06/16/23 08:04	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/16/23 08:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/16/23 08:04	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	38.7	1		06/16/23 08:04	123-91-1	
Ethylbenzene	**0.59J**	ug/L	1.0	0.30	1		06/16/23 08:04	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.48	1		06/16/23 08:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		06/16/23 08:04	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		06/16/23 08:04	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		06/16/23 08:04	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		06/16/23 08:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		06/16/23 08:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		06/16/23 08:04	1634-04-4	
Styrene	**109**	ug/L	1.0	0.29	1		06/16/23 08:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		06/16/23 08:04	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		06/16/23 08:04	127-18-4	
Toluene	**0.63J**	ug/L	1.0	0.48	1		06/16/23 08:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		06/16/23 08:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		06/16/23 08:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		06/16/23 08:04	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: MW-34 **Lab ID: 92671746001** Collected: 06/08/23 10:58 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		06/16/23 08:04	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		06/16/23 08:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		06/16/23 08:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		06/16/23 08:04	76-13-1	
Vinyl chloride	ND	ug/L	1.0	0.39	1		06/16/23 08:04	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.71	1		06/16/23 08:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		06/16/23 08:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/16/23 08:04	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		06/16/23 08:04	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		06/16/23 08:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: MW-35 **Lab ID: 92671746002** Collected: 06/08/23 12:02 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	125	25.6	5		06/16/23 11:42	67-64-1	
Benzene	ND	ug/L	5.0	1.7	5		06/16/23 11:42	71-43-2	
Bromochloromethane	ND	ug/L	5.0	2.3	5		06/16/23 11:42	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1.5	5		06/16/23 11:42	75-27-4	
Bromoform	ND	ug/L	5.0	1.7	5		06/16/23 11:42	75-25-2	
Bromomethane	ND	ug/L	10.0	8.3	5		06/16/23 11:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	19.8	5		06/16/23 11:42	78-93-3	
Carbon disulfide	ND	ug/L	10.0	3.6	5		06/16/23 11:42	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1.7	5		06/16/23 11:42	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1.4	5		06/16/23 11:42	108-90-7	
Chloroethane	ND	ug/L	5.0	3.2	5		06/16/23 11:42	75-00-3	
Chloroform	ND	ug/L	5.0	2.2	5		06/16/23 11:42	67-66-3	
Chloromethane	ND	ug/L	5.0	2.7	5		06/16/23 11:42	74-87-3	
Cyclohexane	ND	ug/L	5.0	1.8	5		06/16/23 11:42	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1.7	5		06/16/23 11:42	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1.8	5		06/16/23 11:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1.4	5		06/16/23 11:42	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1.7	5		06/16/23 11:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1.7	5		06/16/23 11:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1.7	5		06/16/23 11:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1.7	5		06/16/23 11:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1.8	5		06/16/23 11:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		06/16/23 11:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1.7	5		06/16/23 11:42	75-35-4	
cis-1,2-Dichloroethene	**6.6**	ug/L	5.0	1.9	5		06/16/23 11:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.0	5		06/16/23 11:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1.8	5		06/16/23 11:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		06/16/23 11:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		06/16/23 11:42	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	750	194	5		06/16/23 11:42	123-91-1	
Ethylbenzene	ND	ug/L	5.0	1.5	5		06/16/23 11:42	100-41-4	
2-Hexanone	ND	ug/L	25.0	2.4	5		06/16/23 11:42	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.7	5		06/16/23 11:42	98-82-8	
Methyl acetate	ND	ug/L	50.0	12.0	5		06/16/23 11:42	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	7.6	5		06/16/23 11:42	108-87-2	
Methylene Chloride	**19.0J**	ug/L	25.0	9.8	5		06/16/23 11:42	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	13.6	5		06/16/23 11:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.1	5		06/16/23 11:42	1634-04-4	
Styrene	**22.0**	ug/L	5.0	1.5	5		06/16/23 11:42	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	5		06/16/23 11:42	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1.5	5		06/16/23 11:42	127-18-4	
Toluene	ND	ug/L	5.0	2.4	5		06/16/23 11:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	4.0	5		06/16/23 11:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	3.2	5		06/16/23 11:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1.7	5		06/16/23 11:42	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: MW-35 **Lab ID: 92671746002** Collected: 06/08/23 12:02 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichloroethane	ND	ug/L	5.0	1.6	5		06/16/23 11:42	79-00-5	
Trichloroethene	**681**	ug/L	5.0	1.9	5		06/16/23 11:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1.5	5		06/16/23 11:42	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	5		06/16/23 11:42	76-13-1	
Vinyl chloride	ND	ug/L	5.0	1.9	5		06/16/23 11:42	75-01-4	
m&p-Xylene	ND	ug/L	10.0	3.5	5		06/16/23 11:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.7	5		06/16/23 11:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		5		06/16/23 11:42	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		5		06/16/23 11:42	17060-07-0	
Toluene-d8 (S)	96	%	70-130		5		06/16/23 11:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: MW-36 **Lab ID: 92671746003** Collected: 06/08/23 16:25 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**24.7J**	ug/L	25.0	5.1	1		06/16/23 08:22	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		06/16/23 08:22	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.47	1		06/16/23 08:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		06/16/23 08:22	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		06/16/23 08:22	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		06/16/23 08:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		06/16/23 08:22	78-93-3	
Carbon disulfide	ND	ug/L	2.0	0.73	1		06/16/23 08:22	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		06/16/23 08:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		06/16/23 08:22	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		06/16/23 08:22	75-00-3	
Chloroform	**0.57J**	ug/L	1.0	0.43	1		06/16/23 08:22	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		06/16/23 08:22	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		06/16/23 08:22	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		06/16/23 08:22	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		06/16/23 08:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/16/23 08:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/16/23 08:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/16/23 08:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/16/23 08:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		06/16/23 08:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		06/16/23 08:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		06/16/23 08:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		06/16/23 08:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		06/16/23 08:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		06/16/23 08:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		06/16/23 08:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/16/23 08:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/16/23 08:22	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	38.7	1		06/16/23 08:22	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/16/23 08:22	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.48	1		06/16/23 08:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		06/16/23 08:22	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		06/16/23 08:22	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		06/16/23 08:22	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		06/16/23 08:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		06/16/23 08:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		06/16/23 08:22	1634-04-4	
Styrene	**6.5**	ug/L	1.0	0.29	1		06/16/23 08:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		06/16/23 08:22	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		06/16/23 08:22	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		06/16/23 08:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		06/16/23 08:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		06/16/23 08:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		06/16/23 08:22	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: MW-36 **Lab ID: 92671746003** Collected: 06/08/23 16:25 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		06/16/23 08:22	79-00-5	
Trichloroethene	**12.7**	ug/L	1.0	0.38	1		06/16/23 08:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		06/16/23 08:22	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		06/16/23 08:22	76-13-1	
Vinyl chloride	ND	ug/L	1.0	0.39	1		06/16/23 08:22	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.71	1		06/16/23 08:22	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		06/16/23 08:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		06/16/23 08:22	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		06/16/23 08:22	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		06/16/23 08:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: MW-37 **Lab ID: 92671746004** Collected: 06/08/23 16:05 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		06/16/23 08:40	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		06/16/23 08:40	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.47	1		06/16/23 08:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		06/16/23 08:40	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		06/16/23 08:40	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		06/16/23 08:40	74-83-9	v3
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		06/16/23 08:40	78-93-3	
Carbon disulfide	ND	ug/L	2.0	0.73	1		06/16/23 08:40	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		06/16/23 08:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		06/16/23 08:40	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		06/16/23 08:40	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		06/16/23 08:40	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		06/16/23 08:40	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		06/16/23 08:40	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		06/16/23 08:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		06/16/23 08:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/16/23 08:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/16/23 08:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/16/23 08:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/16/23 08:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		06/16/23 08:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		06/16/23 08:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		06/16/23 08:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		06/16/23 08:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		06/16/23 08:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		06/16/23 08:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		06/16/23 08:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/16/23 08:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/16/23 08:40	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	38.7	1		06/16/23 08:40	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/16/23 08:40	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.48	1		06/16/23 08:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		06/16/23 08:40	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		06/16/23 08:40	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		06/16/23 08:40	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		06/16/23 08:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		06/16/23 08:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		06/16/23 08:40	1634-04-4	
Styrene	**9.9**	ug/L	1.0	0.29	1		06/16/23 08:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		06/16/23 08:40	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		06/16/23 08:40	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		06/16/23 08:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		06/16/23 08:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		06/16/23 08:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		06/16/23 08:40	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: MW-37 **Lab ID: 92671746004** Collected: 06/08/23 16:05 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		06/16/23 08:40	79-00-5	
Trichloroethene	**21.1**	ug/L	1.0	0.38	1		06/16/23 08:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		06/16/23 08:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		06/16/23 08:40	76-13-1	
Vinyl chloride	ND	ug/L	1.0	0.39	1		06/16/23 08:40	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.71	1		06/16/23 08:40	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		06/16/23 08:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/16/23 08:40	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		06/16/23 08:40	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		06/16/23 08:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: MW-38 **Lab ID: 92671746005** Collected: 06/08/23 15:49 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		06/16/23 08:58	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		06/16/23 08:58	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.47	1		06/16/23 08:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		06/16/23 08:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		06/16/23 08:58	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		06/16/23 08:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		06/16/23 08:58	78-93-3	
Carbon disulfide	ND	ug/L	2.0	0.73	1		06/16/23 08:58	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		06/16/23 08:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		06/16/23 08:58	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		06/16/23 08:58	75-00-3	
Chloroform	**0.95J**	ug/L	1.0	0.43	1		06/16/23 08:58	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		06/16/23 08:58	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		06/16/23 08:58	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		06/16/23 08:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		06/16/23 08:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/16/23 08:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/16/23 08:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/16/23 08:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/16/23 08:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		06/16/23 08:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		06/16/23 08:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		06/16/23 08:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		06/16/23 08:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		06/16/23 08:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		06/16/23 08:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		06/16/23 08:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/16/23 08:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/16/23 08:58	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	38.7	1		06/16/23 08:58	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/16/23 08:58	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.48	1		06/16/23 08:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		06/16/23 08:58	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		06/16/23 08:58	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		06/16/23 08:58	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		06/16/23 08:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		06/16/23 08:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		06/16/23 08:58	1634-04-4	
Styrene	**1.1**	ug/L	1.0	0.29	1		06/16/23 08:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		06/16/23 08:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		06/16/23 08:58	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		06/16/23 08:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		06/16/23 08:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		06/16/23 08:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		06/16/23 08:58	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: MW-38 **Lab ID: 92671746005** Collected: 06/08/23 15:49 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		06/16/23 08:58	79-00-5	
Trichloroethene	**10**	ug/L	1.0	0.38	1		06/16/23 08:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		06/16/23 08:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		06/16/23 08:58	76-13-1	
Vinyl chloride	ND	ug/L	1.0	0.39	1		06/16/23 08:58	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.71	1		06/16/23 08:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		06/16/23 08:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/16/23 08:58	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		06/16/23 08:58	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		06/16/23 08:58	2037-26-5	

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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: MW-10 **Lab ID: 92671746006** Collected: 06/09/23 10:38 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	100	20.4	4		06/16/23 11:24	67-64-1	
Benzene	ND	ug/L	4.0	1.4	4		06/16/23 11:24	71-43-2	
Bromochloromethane	ND	ug/L	4.0	1.9	4		06/16/23 11:24	74-97-5	
Bromodichloromethane	ND	ug/L	4.0	1.2	4		06/16/23 11:24	75-27-4	
Bromoform	ND	ug/L	4.0	1.4	4		06/16/23 11:24	75-25-2	
Bromomethane	ND	ug/L	8.0	6.6	4		06/16/23 11:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	15.8	4		06/16/23 11:24	78-93-3	
Carbon disulfide	ND	ug/L	8.0	2.9	4		06/16/23 11:24	75-15-0	
Carbon tetrachloride	ND	ug/L	4.0	1.3	4		06/16/23 11:24	56-23-5	
Chlorobenzene	ND	ug/L	4.0	1.1	4		06/16/23 11:24	108-90-7	
Chloroethane	ND	ug/L	4.0	2.6	4		06/16/23 11:24	75-00-3	
Chloroform	ND	ug/L	4.0	1.7	4		06/16/23 11:24	67-66-3	
Chloromethane	ND	ug/L	4.0	2.2	4		06/16/23 11:24	74-87-3	
Cyclohexane	ND	ug/L	4.0	1.4	4		06/16/23 11:24	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	1.4	4		06/16/23 11:24	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1.4	4		06/16/23 11:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	4.0	1.1	4		06/16/23 11:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	4.0	1.4	4		06/16/23 11:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	4.0	1.4	4		06/16/23 11:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	4.0	1.3	4		06/16/23 11:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	4.0	1.4	4		06/16/23 11:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	4.0	1.5	4		06/16/23 11:24	75-34-3	
1,2-Dichloroethane	**3.2J**	ug/L	4.0	1.3	4		06/16/23 11:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	4.0	1.4	4		06/16/23 11:24	75-35-4	
cis-1,2-Dichloroethene	**13.8**	ug/L	4.0	1.5	4		06/16/23 11:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1.6	4		06/16/23 11:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	4.0	1.4	4		06/16/23 11:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1.5	4		06/16/23 11:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1.5	4		06/16/23 11:24	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	600	155	4		06/16/23 11:24	123-91-1	
Ethylbenzene	ND	ug/L	4.0	1.2	4		06/16/23 11:24	100-41-4	
2-Hexanone	ND	ug/L	20.0	1.9	4		06/16/23 11:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	4.0	1.3	4		06/16/23 11:24	98-82-8	
Methyl acetate	ND	ug/L	40.0	9.6	4		06/16/23 11:24	79-20-9	
Methylcyclohexane	ND	ug/L	40.0	6.0	4		06/16/23 11:24	108-87-2	
Methylene Chloride	**15.1J**	ug/L	20.0	7.8	4		06/16/23 11:24	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	10.8	4		06/16/23 11:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1.7	4		06/16/23 11:24	1634-04-4	
Styrene	ND	ug/L	4.0	1.2	4		06/16/23 11:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	4.0	0.90	4		06/16/23 11:24	79-34-5	
Tetrachloroethene	ND	ug/L	4.0	1.2	4		06/16/23 11:24	127-18-4	
Toluene	ND	ug/L	4.0	1.9	4		06/16/23 11:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	4.0	3.2	4		06/16/23 11:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	4.0	2.6	4		06/16/23 11:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	4.0	1.3	4		06/16/23 11:24	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: MW-10 **Lab ID: 92671746006** Collected: 06/09/23 10:38 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichloroethane	ND	ug/L	4.0	1.3	4		06/16/23 11:24	79-00-5	
Trichloroethene	**464**	ug/L	4.0	1.5	4		06/16/23 11:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	1.2	4		06/16/23 11:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	4.0	1.3	4		06/16/23 11:24	76-13-1	
Vinyl chloride	ND	ug/L	4.0	1.5	4		06/16/23 11:24	75-01-4	
m&p-Xylene	ND	ug/L	8.0	2.8	4		06/16/23 11:24	179601-23-1	
o-Xylene	ND	ug/L	4.0	1.4	4		06/16/23 11:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		4		06/16/23 11:24	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		4		06/16/23 11:24	17060-07-0	
Toluene-d8 (S)	96	%	70-130		4		06/16/23 11:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: ERD-OB5W-1 **Lab ID: 92671746007** Collected: 06/09/23 09:27 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	50.0	10.2	2		06/16/23 11:06	67-64-1	
Benzene	ND	ug/L	2.0	0.69	2		06/16/23 11:06	71-43-2	
Bromochloromethane	ND	ug/L	2.0	0.94	2		06/16/23 11:06	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.61	2		06/16/23 11:06	75-27-4	
Bromoform	ND	ug/L	2.0	0.68	2		06/16/23 11:06	75-25-2	
Bromomethane	ND	ug/L	4.0	3.3	2		06/16/23 11:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	7.9	2		06/16/23 11:06	78-93-3	
Carbon disulfide	ND	ug/L	4.0	1.5	2		06/16/23 11:06	75-15-0	
Carbon tetrachloride	ND	ug/L	2.0	0.67	2		06/16/23 11:06	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.57	2		06/16/23 11:06	108-90-7	
Chloroethane	ND	ug/L	2.0	1.3	2		06/16/23 11:06	75-00-3	
Chloroform	ND	ug/L	2.0	0.86	2		06/16/23 11:06	67-66-3	
Chloromethane	ND	ug/L	2.0	1.1	2		06/16/23 11:06	74-87-3	
Cyclohexane	ND	ug/L	2.0	0.71	2		06/16/23 11:06	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	0.68	2		06/16/23 11:06	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.72	2		06/16/23 11:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	0.54	2		06/16/23 11:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.68	2		06/16/23 11:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.68	2		06/16/23 11:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.67	2		06/16/23 11:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.69	2		06/16/23 11:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.73	2		06/16/23 11:06	75-34-3	
1,2-Dichloroethane	**0.95J**	ug/L	2.0	0.64	2		06/16/23 11:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	0.70	2		06/16/23 11:06	75-35-4	
cis-1,2-Dichloroethene	**81.4**	ug/L	2.0	0.77	2		06/16/23 11:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	0.79	2		06/16/23 11:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.71	2		06/16/23 11:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		06/16/23 11:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		06/16/23 11:06	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	300	77.4	2		06/16/23 11:06	123-91-1	
Ethylbenzene	ND	ug/L	2.0	0.61	2		06/16/23 11:06	100-41-4	
2-Hexanone	ND	ug/L	10.0	0.95	2		06/16/23 11:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	0.67	2		06/16/23 11:06	98-82-8	
Methyl acetate	ND	ug/L	20.0	4.8	2		06/16/23 11:06	79-20-9	
Methylcyclohexane	ND	ug/L	20.0	3.0	2		06/16/23 11:06	108-87-2	
Methylene Chloride	**8.7J**	ug/L	10.0	3.9	2		06/16/23 11:06	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	5.4	2		06/16/23 11:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		06/16/23 11:06	1634-04-4	
Styrene	ND	ug/L	2.0	0.58	2		06/16/23 11:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.45	2		06/16/23 11:06	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	0.58	2		06/16/23 11:06	127-18-4	
Toluene	ND	ug/L	2.0	0.97	2		06/16/23 11:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.6	2		06/16/23 11:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.3	2		06/16/23 11:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	0.66	2		06/16/23 11:06	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: ERD-OB5W-1 **Lab ID: 92671746007** Collected: 06/09/23 09:27 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichloroethane	ND	ug/L	2.0	0.65	2		06/16/23 11:06	79-00-5	
Trichloroethene	**199**	ug/L	2.0	0.77	2		06/16/23 11:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.60	2		06/16/23 11:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	2.0	0.63	2		06/16/23 11:06	76-13-1	
Vinyl chloride	ND	ug/L	2.0	0.77	2		06/16/23 11:06	75-01-4	
m&p-Xylene	ND	ug/L	4.0	1.4	2		06/16/23 11:06	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.68	2		06/16/23 11:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		2		06/16/23 11:06	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		2		06/16/23 11:06	17060-07-0	
Toluene-d8 (S)	96	%	70-130		2		06/16/23 11:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: IDW-SOIL **Lab ID: 92671746008** Collected: 06/08/23 16:40 Received: 06/10/23 11:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV TCLP	Analytical Method: EPA 8260D Leachate Method/Date: EPA 1311; 06/13/23 13:52 Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	100	59.8	20		06/14/23 16:47	71-43-2	
2-Butanone (MEK)	ND	ug/L	200	158	20		06/14/23 16:47	78-93-3	
Carbon tetrachloride	ND	ug/L	100	44.2	20		06/14/23 16:47	56-23-5	
Chlorobenzene	ND	ug/L	100	36.0	20		06/14/23 16:47	108-90-7	
Chloroform	ND	ug/L	100	56.2	20		06/14/23 16:47	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	100	38.2	20		06/14/23 16:47	106-46-7	
1,2-Dichloroethane	ND	ug/L	100	26.0	20		06/14/23 16:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	43.0	20		06/14/23 16:47	75-35-4	
Tetrachloroethene	ND	ug/L	100	35.6	20		06/14/23 16:47	127-18-4	
Trichloroethene	ND	ug/L	100	37.0	20		06/14/23 16:47	79-01-6	
Vinyl chloride	ND	ug/L	100	36.2	20		06/14/23 16:47	75-01-4	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	70-130		20		06/14/23 16:47	17060-07-0	
Toluene-d8 (S)	102	%	70-130		20		06/14/23 16:47	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		20		06/14/23 16:47	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: IDW-GW **Lab ID: 92671746009** Collected: 06/08/23 16:50 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**521J**	ug/L	625	128	25		06/18/23 18:46	67-64-1	
Benzene	ND	ug/L	25.0	8.6	25		06/18/23 18:46	71-43-2	
Bromochloromethane	ND	ug/L	25.0	11.7	25		06/18/23 18:46	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	7.7	25		06/18/23 18:46	75-27-4	
Bromoform	ND	ug/L	25.0	8.5	25		06/18/23 18:46	75-25-2	
Bromomethane	ND	ug/L	50.0	41.5	25		06/18/23 18:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	125	99.0	25		06/18/23 18:46	78-93-3	
Carbon disulfide	ND	ug/L	50.0	18.2	25		06/18/23 18:46	75-15-0	
Carbon tetrachloride	ND	ug/L	25.0	8.3	25		06/18/23 18:46	56-23-5	
Chlorobenzene	ND	ug/L	25.0	7.1	25		06/18/23 18:46	108-90-7	
Chloroethane	ND	ug/L	25.0	16.2	25		06/18/23 18:46	75-00-3	
Chloroform	ND	ug/L	25.0	10.8	25		06/18/23 18:46	67-66-3	
Chloromethane	ND	ug/L	25.0	13.5	25		06/18/23 18:46	74-87-3	
Cyclohexane	ND	ug/L	25.0	8.8	25		06/18/23 18:46	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	8.5	25		06/18/23 18:46	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	9.0	25		06/18/23 18:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	6.8	25		06/18/23 18:46	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	25.0	8.5	25		06/18/23 18:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	8.5	25		06/18/23 18:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	8.3	25		06/18/23 18:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	8.6	25		06/18/23 18:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	9.2	25		06/18/23 18:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	8.0	25		06/18/23 18:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	8.7	25		06/18/23 18:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	25.0	9.6	25		06/18/23 18:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	9.9	25		06/18/23 18:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	8.9	25		06/18/23 18:46	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	25.0	9.1	25		06/18/23 18:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	9.1	25		06/18/23 18:46	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	3750	968	25		06/18/23 18:46	123-91-1	
Ethylbenzene	ND	ug/L	25.0	7.6	25		06/18/23 18:46	100-41-4	
2-Hexanone	ND	ug/L	125	11.9	25		06/18/23 18:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	8.3	25		06/18/23 18:46	98-82-8	
Methyl acetate	ND	ug/L	250	59.8	25		06/18/23 18:46	79-20-9	
Methylcyclohexane	ND	ug/L	250	37.8	25		06/18/23 18:46	108-87-2	
Methylene Chloride	ND	ug/L	125	48.8	25		06/18/23 18:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	67.8	25		06/18/23 18:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	25.0	10.6	25		06/18/23 18:46	1634-04-4	
Styrene	**87.7**	ug/L	25.0	7.3	25		06/18/23 18:46	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5.6	25		06/18/23 18:46	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	7.3	25		06/18/23 18:46	127-18-4	
Toluene	ND	ug/L	25.0	12.1	25		06/18/23 18:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	25.0	20.2	25		06/18/23 18:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	16.0	25		06/18/23 18:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	8.3	25		06/18/23 18:46	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: IDW-GW **Lab ID: 92671746009** Collected: 06/08/23 16:50 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichloroethane	ND	ug/L	25.0	8.1	25		06/18/23 18:46	79-00-5	
Trichloroethene	**40.8**	ug/L	25.0	9.6	25		06/18/23 18:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	7.4	25		06/18/23 18:46	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	25.0	7.9	25		06/18/23 18:46	76-13-1	
Vinyl chloride	ND	ug/L	25.0	9.6	25		06/18/23 18:46	75-01-4	
m&p-Xylene	ND	ug/L	50.0	17.7	25		06/18/23 18:46	179601-23-1	
o-Xylene	ND	ug/L	25.0	8.4	25		06/18/23 18:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		25		06/18/23 18:46	460-00-4	D3
1,2-Dichloroethane-d4 (S)	96	%	70-130		25		06/18/23 18:46	17060-07-0	
Toluene-d8 (S)	95	%	70-130		25		06/18/23 18:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: DUP-1-20230608 **Lab ID: 92671746010** Collected: 06/08/23 00:00 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		06/18/23 14:13	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		06/18/23 14:13	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.47	1		06/18/23 14:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		06/18/23 14:13	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		06/18/23 14:13	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		06/18/23 14:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		06/18/23 14:13	78-93-3	
Carbon disulfide	ND	ug/L	2.0	0.73	1		06/18/23 14:13	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		06/18/23 14:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		06/18/23 14:13	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		06/18/23 14:13	75-00-3	
Chloroform	**1.0J**	ug/L	1.0	0.43	1		06/18/23 14:13	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		06/18/23 14:13	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		06/18/23 14:13	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		06/18/23 14:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		06/18/23 14:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/18/23 14:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/18/23 14:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/18/23 14:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/18/23 14:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		06/18/23 14:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		06/18/23 14:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		06/18/23 14:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		06/18/23 14:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		06/18/23 14:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		06/18/23 14:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		06/18/23 14:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/18/23 14:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/18/23 14:13	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	38.7	1		06/18/23 14:13	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/18/23 14:13	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.48	1		06/18/23 14:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		06/18/23 14:13	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		06/18/23 14:13	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		06/18/23 14:13	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		06/18/23 14:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		06/18/23 14:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		06/18/23 14:13	1634-04-4	
Styrene	**0.95J**	ug/L	1.0	0.29	1		06/18/23 14:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		06/18/23 14:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		06/18/23 14:13	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		06/18/23 14:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		06/18/23 14:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		06/18/23 14:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		06/18/23 14:13	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: DUP-1-20230608 **Lab ID: 92671746010** Collected: 06/08/23 00:00 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		06/18/23 14:13	79-00-5	
Trichloroethene	**9.6**	ug/L	1.0	0.38	1		06/18/23 14:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		06/18/23 14:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		06/18/23 14:13	76-13-1	
Vinyl chloride	ND	ug/L	1.0	0.39	1		06/18/23 14:13	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.71	1		06/18/23 14:13	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		06/18/23 14:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/18/23 14:13	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		06/18/23 14:13	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		06/18/23 14:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: FB-1-20230608 **Lab ID: 92671746011** Collected: 06/08/23 15:56 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		06/14/23 00:28	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		06/14/23 00:28	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.47	1		06/14/23 00:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		06/14/23 00:28	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		06/14/23 00:28	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		06/14/23 00:28	74-83-9	v2
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		06/14/23 00:28	78-93-3	
Carbon disulfide	ND	ug/L	2.0	0.73	1		06/14/23 00:28	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		06/14/23 00:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		06/14/23 00:28	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		06/14/23 00:28	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		06/14/23 00:28	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		06/14/23 00:28	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		06/14/23 00:28	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		06/14/23 00:28	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		06/14/23 00:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/14/23 00:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/14/23 00:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/14/23 00:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/14/23 00:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		06/14/23 00:28	75-71-8	v2
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		06/14/23 00:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		06/14/23 00:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		06/14/23 00:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		06/14/23 00:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		06/14/23 00:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		06/14/23 00:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/14/23 00:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/14/23 00:28	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	38.7	1		06/14/23 00:28	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/14/23 00:28	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.48	1		06/14/23 00:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		06/14/23 00:28	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		06/14/23 00:28	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		06/14/23 00:28	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		06/14/23 00:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		06/14/23 00:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		06/14/23 00:28	1634-04-4	
Styrene	ND	ug/L	1.0	0.29	1		06/14/23 00:28	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		06/14/23 00:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		06/14/23 00:28	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		06/14/23 00:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		06/14/23 00:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		06/14/23 00:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		06/14/23 00:28	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: FB-1-20230608 **Lab ID: 92671746011** Collected: 06/08/23 15:56 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		06/14/23 00:28	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		06/14/23 00:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		06/14/23 00:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		06/14/23 00:28	76-13-1	
Vinyl chloride	ND	ug/L	1.0	0.39	1		06/14/23 00:28	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.71	1		06/14/23 00:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		06/14/23 00:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/14/23 00:28	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		06/14/23 00:28	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		06/14/23 00:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: FB-1-20230609 **Lab ID: 92671746012** Collected: 06/09/23 10:00 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		06/14/23 00:46	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		06/14/23 00:46	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.47	1		06/14/23 00:46	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		06/14/23 00:46	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		06/14/23 00:46	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		06/14/23 00:46	74-83-9	v2
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		06/14/23 00:46	78-93-3	
Carbon disulfide	ND	ug/L	2.0	0.73	1		06/14/23 00:46	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		06/14/23 00:46	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		06/14/23 00:46	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		06/14/23 00:46	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		06/14/23 00:46	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		06/14/23 00:46	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		06/14/23 00:46	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		06/14/23 00:46	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		06/14/23 00:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/14/23 00:46	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/14/23 00:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/14/23 00:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/14/23 00:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		06/14/23 00:46	75-71-8	v2
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		06/14/23 00:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		06/14/23 00:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		06/14/23 00:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		06/14/23 00:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		06/14/23 00:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		06/14/23 00:46	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/14/23 00:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/14/23 00:46	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	38.7	1		06/14/23 00:46	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/14/23 00:46	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.48	1		06/14/23 00:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		06/14/23 00:46	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		06/14/23 00:46	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		06/14/23 00:46	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		06/14/23 00:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		06/14/23 00:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		06/14/23 00:46	1634-04-4	
Styrene	ND	ug/L	1.0	0.29	1		06/14/23 00:46	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		06/14/23 00:46	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		06/14/23 00:46	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		06/14/23 00:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		06/14/23 00:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		06/14/23 00:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		06/14/23 00:46	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: FB-1-20230609 **Lab ID: 92671746012** Collected: 06/09/23 10:00 Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		06/14/23 00:46	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		06/14/23 00:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		06/14/23 00:46	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		06/14/23 00:46	76-13-1	
Vinyl chloride	ND	ug/L	1.0	0.39	1		06/14/23 00:46	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.71	1		06/14/23 00:46	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		06/14/23 00:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/14/23 00:46	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		06/14/23 00:46	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		06/14/23 00:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: TRIP BLANK **Lab ID: 92671746013** Collected: Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		06/14/23 01:05	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		06/14/23 01:05	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.47	1		06/14/23 01:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		06/14/23 01:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		06/14/23 01:05	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		06/14/23 01:05	74-83-9	v2
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		06/14/23 01:05	78-93-3	
Carbon disulfide	ND	ug/L	2.0	0.73	1		06/14/23 01:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		06/14/23 01:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		06/14/23 01:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		06/14/23 01:05	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		06/14/23 01:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		06/14/23 01:05	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		06/14/23 01:05	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		06/14/23 01:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		06/14/23 01:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/14/23 01:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/14/23 01:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		06/14/23 01:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/14/23 01:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		06/14/23 01:05	75-71-8	v2
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		06/14/23 01:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		06/14/23 01:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		06/14/23 01:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		06/14/23 01:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		06/14/23 01:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		06/14/23 01:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/14/23 01:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		06/14/23 01:05	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	38.7	1		06/14/23 01:05	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/14/23 01:05	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.48	1		06/14/23 01:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		06/14/23 01:05	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		06/14/23 01:05	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		06/14/23 01:05	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		06/14/23 01:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		06/14/23 01:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		06/14/23 01:05	1634-04-4	
Styrene	ND	ug/L	1.0	0.29	1		06/14/23 01:05	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		06/14/23 01:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		06/14/23 01:05	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		06/14/23 01:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		06/14/23 01:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		06/14/23 01:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		06/14/23 01:05	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: NEWBERRY, SC
Pace Project No.: 92671746

Sample: TRIP BLANK **Lab ID: 92671746013** Collected: Received: 06/10/23 11:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		06/14/23 01:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		06/14/23 01:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		06/14/23 01:05	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		06/14/23 01:05	76-13-1	
Vinyl chloride	ND	ug/L	1.0	0.39	1		06/14/23 01:05	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.71	1		06/14/23 01:05	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		06/14/23 01:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/14/23 01:05	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		06/14/23 01:05	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		06/14/23 01:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

QC Batch: 780270
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92671746011, 92671746012, 92671746013

METHOD BLANK: 4047613 Matrix: Water
Associated Lab Samples: 92671746011, 92671746012, 92671746013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	06/14/23 00:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	06/14/23 00:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	06/14/23 00:09	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	0.32	06/14/23 00:09	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	06/14/23 00:09	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	06/14/23 00:09	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	06/14/23 00:09	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	06/14/23 00:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	06/14/23 00:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	06/14/23 00:09	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	06/14/23 00:09	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	06/14/23 00:09	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	06/14/23 00:09	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	06/14/23 00:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	06/14/23 00:09	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	38.7	06/14/23 00:09	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	06/14/23 00:09	
2-Hexanone	ug/L	ND	5.0	0.48	06/14/23 00:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	06/14/23 00:09	
Acetone	ug/L	ND	25.0	5.1	06/14/23 00:09	
Benzene	ug/L	ND	1.0	0.34	06/14/23 00:09	
Bromochloromethane	ug/L	ND	1.0	0.47	06/14/23 00:09	
Bromodichloromethane	ug/L	ND	1.0	0.31	06/14/23 00:09	
Bromoform	ug/L	ND	1.0	0.34	06/14/23 00:09	
Bromomethane	ug/L	ND	2.0	1.7	06/14/23 00:09	v2
Carbon disulfide	ug/L	ND	2.0	0.73	06/14/23 00:09	
Carbon tetrachloride	ug/L	ND	1.0	0.33	06/14/23 00:09	
Chlorobenzene	ug/L	ND	1.0	0.28	06/14/23 00:09	
Chloroethane	ug/L	ND	1.0	0.65	06/14/23 00:09	
Chloroform	ug/L	ND	1.0	0.43	06/14/23 00:09	
Chloromethane	ug/L	ND	1.0	0.54	06/14/23 00:09	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	06/14/23 00:09	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	06/14/23 00:09	
Cyclohexane	ug/L	ND	1.0	0.35	06/14/23 00:09	
Dibromochloromethane	ug/L	ND	1.0	0.36	06/14/23 00:09	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	06/14/23 00:09	v2
Ethylbenzene	ug/L	ND	1.0	0.30	06/14/23 00:09	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	06/14/23 00:09	
m&p-Xylene	ug/L	ND	2.0	0.71	06/14/23 00:09	
Methyl acetate	ug/L	ND	10.0	2.4	06/14/23 00:09	

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

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

METHOD BLANK: 4047613 Matrix: Water
Associated Lab Samples: 92671746011, 92671746012, 92671746013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	06/14/23 00:09	
Methylcyclohexane	ug/L	ND	10.0	1.5	06/14/23 00:09	
Methylene Chloride	ug/L	ND	5.0	2.0	06/14/23 00:09	
o-Xylene	ug/L	ND	1.0	0.34	06/14/23 00:09	
Styrene	ug/L	ND	1.0	0.29	06/14/23 00:09	
Tetrachloroethene	ug/L	ND	1.0	0.29	06/14/23 00:09	
Toluene	ug/L	ND	1.0	0.48	06/14/23 00:09	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	06/14/23 00:09	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	06/14/23 00:09	
Trichloroethene	ug/L	ND	1.0	0.38	06/14/23 00:09	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	06/14/23 00:09	
Vinyl chloride	ug/L	ND	1.0	0.39	06/14/23 00:09	
1,2-Dichloroethane-d4 (S)	%	98	70-130		06/14/23 00:09	
4-Bromofluorobenzene (S)	%	99	70-130		06/14/23 00:09	
Toluene-d8 (S)	%	102	70-130		06/14/23 00:09	

LABORATORY CONTROL SAMPLE: 4047614

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.9	105	70-130	
1,1,2-Trichloroethane	ug/L	20	21.2	106	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	22.0	110	70-130	
1,1-Dichloroethane	ug/L	20	21.4	107	70-130	
1,1-Dichloroethene	ug/L	20	22.4	112	70-130	
1,2,3-Trichlorobenzene	ug/L	20	20.7	104	70-130	
1,2,4-Trichlorobenzene	ug/L	20	19.8	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.8	94	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	20.2	101	70-130	
1,2-Dichlorobenzene	ug/L	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	20	20.1	101	70-130	
1,2-Dichloropropane	ug/L	20	21.1	105	70-130	
1,3-Dichlorobenzene	ug/L	20	21.0	105	70-130	
1,4-Dichlorobenzene	ug/L	20	20.9	104	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	400	438	110	70-130	
2-Butanone (MEK)	ug/L	40	41.7	104	70-130	
2-Hexanone	ug/L	40	41.6	104	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	42.3	106	70-130	
Acetone	ug/L	40	40.1	100	70-130	
Benzene	ug/L	20	21.1	105	70-130	
Bromochloromethane	ug/L	20	20.9	104	70-130	
Bromodichloromethane	ug/L	20	20.1	100	70-130	
Bromoform	ug/L	20	18.7	93	70-130	
Bromomethane	ug/L	20	18.0	90	70-130	v3

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

LABORATORY CONTROL SAMPLE: 4047614

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon disulfide	ug/L	20	20.1	101	70-130	
Carbon tetrachloride	ug/L	20	21.3	106	70-130	
Chlorobenzene	ug/L	20	20.6	103	70-130	
Chloroethane	ug/L	20	24.1	121	70-130	
Chloroform	ug/L	20	21.5	108	70-130	
Chloromethane	ug/L	20	21.6	108	70-130	
cis-1,2-Dichloroethene	ug/L	20	21.5	108	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.5	103	70-130	
Cyclohexane	ug/L	20	23.2	116	70-130	
Dibromochloromethane	ug/L	20	19.3	97	70-130	
Dichlorodifluoromethane	ug/L	20	24.9	124	70-130	v3
Ethylbenzene	ug/L	20	20.1	101	70-130	
Isopropylbenzene (Cumene)	ug/L	20	20.5	103	70-130	
m&p-Xylene	ug/L	40	40.5	101	70-130	
Methyl acetate	ug/L	20	20.1	100	70-130	
Methyl-tert-butyl ether	ug/L	20	19.4	97	70-130	
Methylcyclohexane	ug/L	20	22.0	110	70-130	
Methylene Chloride	ug/L	20	19.7	98	70-130	
o-Xylene	ug/L	20	20.3	101	70-130	
Styrene	ug/L	20	20.7	104	70-130	
Tetrachloroethene	ug/L	20	19.8	99	70-130	
Toluene	ug/L	20	20.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.7	109	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.5	102	70-130	
Trichloroethene	ug/L	20	21.4	107	70-130	
Trichlorofluoromethane	ug/L	20	25.2	126	70-130	
Vinyl chloride	ug/L	20	21.6	108	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4047615 4047616

Parameter	Units	92671633007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	25.6	26.1	128	131	82-143	2	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	23.1	24.6	116	123	70-136	6	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	23.1	25.0	116	125	70-135	8	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	27.4	28.3	137	142	83-144	3	30	
1,1-Dichloroethane	ug/L	ND	20	20	25.1	25.8	126	129	70-139	3	30	
1,1-Dichloroethene	ug/L	ND	20	20	26.9	28.0	135	140	70-154	4	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	21.9	24.2	109	121	70-135	10	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	21.9	24.1	109	121	73-140	10	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	21.0	22.8	105	114	65-134	8	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4047615 4047616

Parameter	Units	92671633007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	23.0	24.7	115	124	70-137	7	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	23.0	25.0	115	125	70-133	8	30	
1,2-Dichloroethane	ug/L	ND	20	20	23.9	25.7	120	129	70-137	7	30	
1,2-Dichloropropane	ug/L	ND	20	20	24.4	25.6	122	128	70-140	5	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	23.7	25.3	118	127	70-135	7	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	23.4	25.2	117	126	70-133	8	30	
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	400	457	496	114	124	53-168	8	30	
2-Butanone (MEK)	ug/L	ND	40	40	47.8	51.0	119	127	60-139	6	30	
2-Hexanone	ug/L	ND	40	40	45.2	49.8	113	125	65-138	10	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	47.0	50.3	118	126	65-135	7	30	
Acetone	ug/L	ND	40	40	44.3	47.4	111	119	60-148	7	30	
Benzene	ug/L	ND	20	20	24.4	25.8	122	129	70-151	6	30	
Bromochloromethane	ug/L	ND	20	20	23.3	25.3	116	126	70-141	8	30	
Bromodichloromethane	ug/L	ND	20	20	24.8	24.8	124	124	70-138	0	30	
Bromoform	ug/L	ND	20	20	23.6	24.4	118	122	63-130	3	30	
Bromomethane	ug/L	ND	20	20	20.7	21.6	104	108	15-152	4	30	v3
Carbon disulfide	ug/L	ND	20	20	24.2	24.8	121	124	69-149	2	30	
Carbon tetrachloride	ug/L	ND	20	20	26.9	27.4	134	137	70-143	2	30	
Chlorobenzene	ug/L	ND	20	20	23.5	25.2	118	126	70-138	7	30	
Chloroethane	ug/L	ND	20	20	23.1	24.0	116	120	52-163	4	30	
Chloroform	ug/L	ND	20	20	24.0	24.6	120	123	70-139	3	30	
Chloromethane	ug/L	ND	20	20	21.5	22.7	108	113	41-139	5	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	24.9	26.2	122	128	70-141	5	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	24.2	24.8	121	124	70-137	3	30	
Cyclohexane	ug/L	ND	20	20	28.0	29.3	140	146	70-151	5	30	
Dibromochloromethane	ug/L	ND	20	20	23.0	24.5	115	122	70-134	6	30	
Dichlorodifluoromethane	ug/L	ND	20	20	25.6	26.8	128	134	47-155	5	30	
Ethylbenzene	ug/L	ND	20	20	23.4	24.8	117	124	66-153	6	30	
Isopropylbenzene (Cumene)	ug/L	2.6	20	20	26.7	28.4	121	129	70-139	6	30	
m&p-Xylene	ug/L	ND	40	40	47.0	49.7	117	124	69-152	6	30	
Methyl acetate	ug/L	ND	20	20	22.1	23.0	110	115	68-139	4	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	22.8	23.6	114	118	54-156	4	30	
Methylcyclohexane	ug/L	ND	20	20	27.8	29.4	139	147	81-151	6	30	
Methylene Chloride	ug/L	ND	20	20	22.2	22.8	111	114	42-159	3	30	
o-Xylene	ug/L	ND	20	20	23.0	24.5	115	123	70-148	7	30	
Styrene	ug/L	ND	20	20	23.8	25.1	119	125	70-135	5	30	
Tetrachloroethene	ug/L	ND	20	20	23.5	24.8	118	124	59-143	5	30	
Toluene	ug/L	ND	20	20	24.0	25.0	120	125	59-148	4	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	25.0	26.1	125	131	70-146	4	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	23.9	24.8	120	124	70-135	4	30	
Trichloroethene	ug/L	ND	20	20	24.8	25.4	124	127	70-147	3	30	
Trichlorofluoromethane	ug/L	ND	20	20	25.9	27.4	130	137	70-148	5	30	
Vinyl chloride	ug/L	ND	20	20	20.3	21.3	102	106	70-156	5	30	
1,2-Dichloroethane-d4 (S)	%						100	95	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4047615 4047616

Parameter	Units	92671633007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Bromofluorobenzene (S)	%						100	100	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

QC Batch: 780851
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92671746001, 92671746002, 92671746003, 92671746004, 92671746005, 92671746006, 92671746007

METHOD BLANK: 4051064 Matrix: Water
Associated Lab Samples: 92671746001, 92671746002, 92671746003, 92671746004, 92671746005, 92671746006, 92671746007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	06/16/23 07:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	06/16/23 07:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	06/16/23 07:09	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	0.32	06/16/23 07:09	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	06/16/23 07:09	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	06/16/23 07:09	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	06/16/23 07:09	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	06/16/23 07:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	06/16/23 07:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	06/16/23 07:09	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	06/16/23 07:09	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	06/16/23 07:09	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	06/16/23 07:09	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	06/16/23 07:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	06/16/23 07:09	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	38.7	06/16/23 07:09	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	06/16/23 07:09	
2-Hexanone	ug/L	ND	5.0	0.48	06/16/23 07:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	06/16/23 07:09	
Acetone	ug/L	ND	25.0	5.1	06/16/23 07:09	
Benzene	ug/L	ND	1.0	0.34	06/16/23 07:09	
Bromochloromethane	ug/L	ND	1.0	0.47	06/16/23 07:09	
Bromodichloromethane	ug/L	ND	1.0	0.31	06/16/23 07:09	
Bromoform	ug/L	ND	1.0	0.34	06/16/23 07:09	
Bromomethane	ug/L	ND	2.0	1.7	06/16/23 07:09	
Carbon disulfide	ug/L	ND	2.0	0.73	06/16/23 07:09	
Carbon tetrachloride	ug/L	ND	1.0	0.33	06/16/23 07:09	
Chlorobenzene	ug/L	ND	1.0	0.28	06/16/23 07:09	
Chloroethane	ug/L	ND	1.0	0.65	06/16/23 07:09	
Chloroform	ug/L	ND	1.0	0.43	06/16/23 07:09	
Chloromethane	ug/L	ND	1.0	0.54	06/16/23 07:09	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	06/16/23 07:09	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	06/16/23 07:09	
Cyclohexane	ug/L	ND	1.0	0.35	06/16/23 07:09	
Dibromochloromethane	ug/L	ND	1.0	0.36	06/16/23 07:09	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	06/16/23 07:09	
Ethylbenzene	ug/L	ND	1.0	0.30	06/16/23 07:09	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	06/16/23 07:09	
m&p-Xylene	ug/L	ND	2.0	0.71	06/16/23 07:09	
Methyl acetate	ug/L	ND	10.0	2.4	06/16/23 07:09	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

METHOD BLANK: 4051064 Matrix: Water
Associated Lab Samples: 92671746001, 92671746002, 92671746003, 92671746004, 92671746005, 92671746006, 92671746007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	06/16/23 07:09	
Methylcyclohexane	ug/L	ND	10.0	1.5	06/16/23 07:09	
Methylene Chloride	ug/L	ND	5.0	2.0	06/16/23 07:09	
o-Xylene	ug/L	ND	1.0	0.34	06/16/23 07:09	
Styrene	ug/L	ND	1.0	0.29	06/16/23 07:09	
Tetrachloroethene	ug/L	ND	1.0	0.29	06/16/23 07:09	
Toluene	ug/L	ND	1.0	0.48	06/16/23 07:09	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	06/16/23 07:09	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	06/16/23 07:09	
Trichloroethene	ug/L	ND	1.0	0.38	06/16/23 07:09	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	06/16/23 07:09	
Vinyl chloride	ug/L	ND	1.0	0.39	06/16/23 07:09	
1,2-Dichloroethane-d4 (S)	%	94	70-130		06/16/23 07:09	
4-Bromofluorobenzene (S)	%	99	70-130		06/16/23 07:09	
Toluene-d8 (S)	%	96	70-130		06/16/23 07:09	

LABORATORY CONTROL SAMPLE: 4051065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.9	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	99	70-130	
1,1,2-Trichloroethane	ug/L	20	19.2	96	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.3	97	70-130	
1,1-Dichloroethane	ug/L	20	19.1	95	70-130	
1,1-Dichloroethene	ug/L	20	19.3	96	70-130	
1,2,3-Trichlorobenzene	ug/L	20	19.9	100	70-130	
1,2,4-Trichlorobenzene	ug/L	20	19.7	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.6	93	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	20.0	100	70-130	
1,2-Dichlorobenzene	ug/L	20	20.5	103	70-130	
1,2-Dichloroethane	ug/L	20	18.9	94	70-130	
1,2-Dichloropropane	ug/L	20	19.6	98	70-130	
1,3-Dichlorobenzene	ug/L	20	20.5	102	70-130	
1,4-Dichlorobenzene	ug/L	20	20.2	101	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	400	394	98	70-130	
2-Butanone (MEK)	ug/L	40	34.4	86	70-130	
2-Hexanone	ug/L	40	37.0	93	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	36.4	91	70-130	
Acetone	ug/L	40	34.6	86	70-130	
Benzene	ug/L	20	19.7	99	70-130	
Bromochloromethane	ug/L	20	19.3	97	70-130	
Bromodichloromethane	ug/L	20	19.1	96	70-130	
Bromoform	ug/L	20	19.8	99	70-130	
Bromomethane	ug/L	20	18.1	91	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

LABORATORY CONTROL SAMPLE: 4051065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon disulfide	ug/L	20	20.4	102	70-130	
Carbon tetrachloride	ug/L	20	20.3	101	70-130	
Chlorobenzene	ug/L	20	20.6	103	70-130	
Chloroethane	ug/L	20	17.7	88	70-130	
Chloroform	ug/L	20	19.2	96	70-130	
Chloromethane	ug/L	20	16.7	83	70-130	
cis-1,2-Dichloroethene	ug/L	20	18.9	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.7	94	70-130	
Cyclohexane	ug/L	20	18.8	94	70-130	
Dibromochloromethane	ug/L	20	19.6	98	70-130	
Dichlorodifluoromethane	ug/L	20	18.8	94	70-130	
Ethylbenzene	ug/L	20	19.9	100	70-130	
Isopropylbenzene (Cumene)	ug/L	20	20.6	103	70-130	
m&p-Xylene	ug/L	40	40.3	101	70-130	
Methyl acetate	ug/L	20	16.9	84	70-130	
Methyl-tert-butyl ether	ug/L	20	17.6	88	70-130	
Methylcyclohexane	ug/L	20	20.7	104	70-130	
Methylene Chloride	ug/L	20	20.6	103	70-130	
o-Xylene	ug/L	20	20.2	101	70-130	
Styrene	ug/L	20	20.2	101	70-130	
Tetrachloroethene	ug/L	20	21.3	106	70-130	
Toluene	ug/L	20	19.5	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.2	96	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.5	92	70-130	
Trichloroethene	ug/L	20	21.0	105	70-130	
Trichlorofluoromethane	ug/L	20	19.4	97	70-130	
Vinyl chloride	ug/L	20	16.0	80	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 4051067

Parameter	Units	92671746004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	21.2	106	82-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	21.4	107	70-136	
1,1,2-Trichloroethane	ug/L	ND	20	20.9	104	70-135	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	27.0	135	83-144	
1,1-Dichloroethane	ug/L	ND	20	20.2	101	70-139	
1,1-Dichloroethene	ug/L	ND	20	22.5	112	70-154	
1,2,3-Trichlorobenzene	ug/L	ND	20	19.6	98	70-135	
1,2,4-Trichlorobenzene	ug/L	ND	20	19.1	96	73-140	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	19.1	96	65-134	
1,2-Dibromoethane (EDB)	ug/L	ND	20	21.2	106	70-137	
1,2-Dichlorobenzene	ug/L	ND	20	20.5	102	70-133	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

MATRIX SPIKE SAMPLE: 4051067

Parameter	Units	92671746004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	19.9	100	70-137	
1,2-Dichloropropane	ug/L	ND	20	19.9	99	70-140	
1,3-Dichlorobenzene	ug/L	ND	20	20.4	102	70-135	
1,4-Dichlorobenzene	ug/L	ND	20	20.0	100	70-133	
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	423	106	53-168	
2-Butanone (MEK)	ug/L	ND	40	39.0	97	60-139	
2-Hexanone	ug/L	ND	40	38.2	96	65-138	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	36.5	91	65-135	
Acetone	ug/L	ND	40	39.8	100	60-148	
Benzene	ug/L	ND	20	20.2	101	70-151	
Bromochloromethane	ug/L	ND	20	21.3	106	70-141	
Bromodichloromethane	ug/L	ND	20	19.2	96	70-138	
Bromoform	ug/L	ND	20	18.6	93	63-130	
Bromomethane	ug/L	ND	20	12.2	61	15-152	v3
Carbon disulfide	ug/L	ND	20	22.1	110	69-149	
Carbon tetrachloride	ug/L	ND	20	20.9	105	70-143	
Chlorobenzene	ug/L	ND	20	20.8	104	70-138	
Chloroethane	ug/L	ND	20	20.3	101	52-163	
Chloroform	ug/L	ND	20	21.4	106	70-139	
Chloromethane	ug/L	ND	20	16.9	84	41-139	
cis-1,2-Dichloroethene	ug/L	ND	20	20.3	101	70-141	
cis-1,3-Dichloropropene	ug/L	ND	20	19.3	97	70-137	
Cyclohexane	ug/L	ND	20	23.6	118	70-151	
Dibromochloromethane	ug/L	ND	20	20.3	101	70-134	
Dichlorodifluoromethane	ug/L	ND	20	24.8	124	47-155	
Ethylbenzene	ug/L	ND	20	20.8	104	66-153	
Isopropylbenzene (Cumene)	ug/L	ND	20	21.2	106	70-139	
m&p-Xylene	ug/L	ND	40	41.1	103	69-152	
Methyl acetate	ug/L	ND	20	19.8	99	68-139	
Methyl-tert-butyl ether	ug/L	ND	20	18.5	92	54-156	
Methylcyclohexane	ug/L	ND	20	25.8	129	81-151	
Methylene Chloride	ug/L	ND	20	19.0	95	42-159	
o-Xylene	ug/L	ND	20	20.7	104	70-148	
Styrene	ug/L	9.9	20	31.2	106	70-135	
Tetrachloroethene	ug/L	ND	20	20.2	101	59-143	
Toluene	ug/L	ND	20	20.5	102	59-148	
trans-1,2-Dichloroethene	ug/L	ND	20	20.9	105	70-146	
trans-1,3-Dichloropropene	ug/L	ND	20	19.1	96	70-135	
Trichloroethene	ug/L	21.1	20	42.3	106	70-147	
Trichlorofluoromethane	ug/L	ND	20	21.8	109	70-148	
Vinyl chloride	ug/L	ND	20	18.2	91	70-156	
1,2-Dichloroethane-d4 (S)	%				94	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				98	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

SAMPLE DUPLICATE: 4051066

Parameter	Units	92671746003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
1,4-Dioxane (p-Dioxane)	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	24.7J	25.3		30	
Benzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	v2
Carbon disulfide	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	0.57J	0.48J		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Cyclohexane	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl acetate	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylcyclohexane	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
Styrene	ug/L	6.5	5.5	16	30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

SAMPLE DUPLICATE: 4051066

Parameter	Units	92671746003 Result	Dup Result	RPD	Max RPD	Qualifiers
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	12.7	14.3	12	30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	97	98			
4-Bromofluorobenzene (S)	%	98	96			
Toluene-d8 (S)	%	97	99			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

QC Batch: 781277
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92671746009, 92671746010

METHOD BLANK: 4053393 Matrix: Water
Associated Lab Samples: 92671746009, 92671746010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	06/18/23 13:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	06/18/23 13:37	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	06/18/23 13:37	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	0.32	06/18/23 13:37	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	06/18/23 13:37	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	06/18/23 13:37	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	06/18/23 13:37	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	06/18/23 13:37	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	06/18/23 13:37	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	06/18/23 13:37	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	06/18/23 13:37	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	06/18/23 13:37	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	06/18/23 13:37	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	06/18/23 13:37	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	06/18/23 13:37	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	38.7	06/18/23 13:37	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	06/18/23 13:37	
2-Hexanone	ug/L	ND	5.0	0.48	06/18/23 13:37	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	06/18/23 13:37	
Acetone	ug/L	ND	25.0	5.1	06/18/23 13:37	
Benzene	ug/L	ND	1.0	0.34	06/18/23 13:37	
Bromochloromethane	ug/L	ND	1.0	0.47	06/18/23 13:37	
Bromodichloromethane	ug/L	ND	1.0	0.31	06/18/23 13:37	
Bromoform	ug/L	ND	1.0	0.34	06/18/23 13:37	
Bromomethane	ug/L	ND	2.0	1.7	06/18/23 13:37	
Carbon disulfide	ug/L	ND	2.0	0.73	06/18/23 13:37	
Carbon tetrachloride	ug/L	ND	1.0	0.33	06/18/23 13:37	
Chlorobenzene	ug/L	ND	1.0	0.28	06/18/23 13:37	
Chloroethane	ug/L	ND	1.0	0.65	06/18/23 13:37	
Chloroform	ug/L	ND	1.0	0.43	06/18/23 13:37	
Chloromethane	ug/L	ND	1.0	0.54	06/18/23 13:37	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	06/18/23 13:37	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	06/18/23 13:37	
Cyclohexane	ug/L	ND	1.0	0.35	06/18/23 13:37	
Dibromochloromethane	ug/L	ND	1.0	0.36	06/18/23 13:37	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	06/18/23 13:37	
Ethylbenzene	ug/L	ND	1.0	0.30	06/18/23 13:37	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	06/18/23 13:37	
m&p-Xylene	ug/L	ND	2.0	0.71	06/18/23 13:37	
Methyl acetate	ug/L	ND	10.0	2.4	06/18/23 13:37	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

METHOD BLANK: 4053393 Matrix: Water
Associated Lab Samples: 92671746009, 92671746010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	06/18/23 13:37	
Methylcyclohexane	ug/L	ND	10.0	1.5	06/18/23 13:37	
Methylene Chloride	ug/L	ND	5.0	2.0	06/18/23 13:37	
o-Xylene	ug/L	ND	1.0	0.34	06/18/23 13:37	
Styrene	ug/L	ND	1.0	0.29	06/18/23 13:37	
Tetrachloroethene	ug/L	ND	1.0	0.29	06/18/23 13:37	
Toluene	ug/L	ND	1.0	0.48	06/18/23 13:37	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	06/18/23 13:37	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	06/18/23 13:37	
Trichloroethene	ug/L	ND	1.0	0.38	06/18/23 13:37	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	06/18/23 13:37	
Vinyl chloride	ug/L	ND	1.0	0.39	06/18/23 13:37	
1,2-Dichloroethane-d4 (S)	%	96	70-130		06/18/23 13:37	
4-Bromofluorobenzene (S)	%	97	70-130		06/18/23 13:37	
Toluene-d8 (S)	%	96	70-130		06/18/23 13:37	

LABORATORY CONTROL SAMPLE: 4053394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.3	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.5	102	70-130	
1,1,2-Trichloroethane	ug/L	20	19.6	98	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.9	100	70-130	
1,1-Dichloroethane	ug/L	20	18.3	91	70-130	
1,1-Dichloroethene	ug/L	20	18.5	92	70-130	
1,2,3-Trichlorobenzene	ug/L	20	20.2	101	70-130	
1,2,4-Trichlorobenzene	ug/L	20	20.1	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.6	93	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	20.3	102	70-130	
1,2-Dichlorobenzene	ug/L	20	20.2	101	70-130	
1,2-Dichloroethane	ug/L	20	18.3	92	70-130	
1,2-Dichloropropane	ug/L	20	19.0	95	70-130	
1,3-Dichlorobenzene	ug/L	20	20.4	102	70-130	
1,4-Dichlorobenzene	ug/L	20	20.0	100	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	400	397	99	70-130	
2-Butanone (MEK)	ug/L	40	36.0	90	70-130	
2-Hexanone	ug/L	40	38.4	96	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	36.9	92	70-130	
Acetone	ug/L	40	37.8	94	70-130	
Benzene	ug/L	20	19.3	96	70-130	
Bromochloromethane	ug/L	20	19.1	96	70-130	
Bromodichloromethane	ug/L	20	18.6	93	70-130	
Bromoform	ug/L	20	19.1	96	70-130	
Bromomethane	ug/L	20	19.0	95	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

LABORATORY CONTROL SAMPLE: 4053394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon disulfide	ug/L	20	19.6	98	70-130	
Carbon tetrachloride	ug/L	20	20.0	100	70-130	
Chlorobenzene	ug/L	20	20.3	102	70-130	
Chloroethane	ug/L	20	16.8	84	70-130	
Chloroform	ug/L	20	18.8	94	70-130	
Chloromethane	ug/L	20	16.2	81	70-130	
cis-1,2-Dichloroethene	ug/L	20	18.1	91	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.7	93	70-130	
Cyclohexane	ug/L	20	18.3	92	70-130	
Dibromochloromethane	ug/L	20	19.4	97	70-130	
Dichlorodifluoromethane	ug/L	20	17.7	88	70-130	
Ethylbenzene	ug/L	20	19.4	97	70-130	
Isopropylbenzene (Cumene)	ug/L	20	20.5	102	70-130	
m&p-Xylene	ug/L	40	39.6	99	70-130	
Methyl acetate	ug/L	20	16.9	85	70-130	
Methyl-tert-butyl ether	ug/L	20	17.3	86	70-130	
Methylcyclohexane	ug/L	20	21.5	108	70-130	
Methylene Chloride	ug/L	20	17.7	88	70-130	
o-Xylene	ug/L	20	19.7	98	70-130	
Styrene	ug/L	20	20.0	100	70-130	
Tetrachloroethene	ug/L	20	20.5	103	70-130	
Toluene	ug/L	20	19.2	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.8	94	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	70-130	
Trichloroethene	ug/L	20	20.8	104	70-130	
Trichlorofluoromethane	ug/L	20	18.9	95	70-130	
Vinyl chloride	ug/L	20	14.9	75	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4053395 4053396

Parameter	Units	92672578001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	25.8	26.1	129	130	82-143	1	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	22.2	24.5	111	123	70-136	10	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	22.8	24.5	114	122	70-135	7	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	26.4	28.7	132	144	83-144	8	30	
1,1-Dichloroethane	ug/L	ND	20	20	22.1	23.3	111	116	70-139	5	30	
1,1-Dichloroethene	ug/L	ND	20	20	25.2	26.5	126	133	70-154	5	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	23.2	24.7	116	124	70-135	7	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	24.3	26.2	122	131	73-140	7	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	21.1	22.9	106	115	65-134	8	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4053395 4053396

Parameter	Units	92672578001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	23.5	25.4	117	127	70-137	8	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	23.9	25.0	119	125	70-133	5	30	
1,2-Dichloroethane	ug/L	ND	20	20	23.7	24.6	119	123	70-137	3	30	
1,2-Dichloropropane	ug/L	ND	20	20	23.6	25.1	118	125	70-140	6	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	24.6	25.9	123	129	70-135	5	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	24.0	25.7	120	128	70-133	7	30	
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	400	417	462	104	116	53-168	10	30	
2-Butanone (MEK)	ug/L	ND	40	40	43.4	47.8	109	119	60-139	10	30	
2-Hexanone	ug/L	ND	40	40	46.5	51.9	116	130	65-138	11	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	44.6	47.1	111	118	65-135	6	30	
Acetone	ug/L	ND	40	40	45.1	48.5	103	111	60-148	7	30	
Benzene	ug/L	ND	20	20	23.7	24.5	119	123	70-151	3	30	
Bromochloromethane	ug/L	ND	20	20	23.1	23.0	115	115	70-141	0	30	
Bromodichloromethane	ug/L	ND	20	20	23.6	25.2	118	126	70-138	6	30	
Bromoform	ug/L	ND	20	20	21.4	24.5	107	122	63-130	13	30	
Bromomethane	ug/L	ND	20	20	18.1	19.4	91	97	15-152	7	30	
Carbon disulfide	ug/L	ND	20	20	25.1	25.4	126	127	69-149	1	30	
Carbon tetrachloride	ug/L	ND	20	20	26.1	26.7	130	134	70-143	2	30	
Chlorobenzene	ug/L	ND	20	20	23.2	25.2	116	126	70-138	8	30	
Chloroethane	ug/L	ND	20	20	23.2	24.2	116	121	52-163	4	30	
Chloroform	ug/L	ND	20	20	23.8	25.8	118	128	70-139	8	30	
Chloromethane	ug/L	ND	20	20	21.7	22.5	107	111	41-139	3	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	22.9	24.0	115	120	70-141	5	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	22.8	24.1	114	121	70-137	6	30	
Cyclohexane	ug/L	ND	20	20	27.7	30.1	139	150	70-151	8	30	
Dibromochloromethane	ug/L	ND	20	20	24.2	26.4	121	132	70-134	9	30	
Dichlorodifluoromethane	ug/L	ND	20	20	26.6	27.5	133	138	47-155	3	30	
Ethylbenzene	ug/L	ND	20	20	23.5	25.0	117	125	66-153	6	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	24.8	26.7	124	134	70-139	7	30	
m&p-Xylene	ug/L	ND	40	40	47.1	50.6	118	127	69-152	7	30	
Methyl acetate	ug/L	ND	20	20	20.1	21.8	100	109	68-139	8	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	21.0	22.6	105	113	54-156	7	30	
Methylcyclohexane	ug/L	ND	20	20	29.3	29.1	147	145	81-151	1	30	
Methylene Chloride	ug/L	ND	20	20	23.7	24.6	118	123	42-159	4	30	
o-Xylene	ug/L	ND	20	20	23.1	24.9	115	124	70-148	8	30	
Styrene	ug/L	ND	20	20	23.2	24.9	116	124	70-135	7	30	
Tetrachloroethene	ug/L	ND	20	20	23.5	25.9	118	130	59-143	10	30	
Toluene	ug/L	ND	20	20	22.3	23.0	112	115	59-148	3	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	24.3	25.3	122	127	70-146	4	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	22.8	24.1	114	121	70-135	6	30	
Trichloroethene	ug/L	ND	20	20	23.9	24.9	119	125	70-147	4	30	
Trichlorofluoromethane	ug/L	ND	20	20	25.4	26.8	127	134	70-148	5	30	
Vinyl chloride	ug/L	ND	20	20	20.5	21.6	102	108	70-156	6	30	
1,2-Dichloroethane-d4 (S)	%						108	112	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4053395 4053396

Parameter	Units	92672578001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Bromofluorobenzene (S)	%						99	101	70-130			
Toluene-d8 (S)	%						100	99	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

QC Batch: 780508
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV TCLP
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92671746008

METHOD BLANK: 4048861 Matrix: Water
Associated Lab Samples: 92671746008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	5.0	2.2	06/14/23 14:38	
1,2-Dichloroethane	ug/L	ND	5.0	1.3	06/14/23 14:38	
1,4-Dichlorobenzene	ug/L	ND	5.0	1.9	06/14/23 14:38	
2-Butanone (MEK)	ug/L	11.6	10.0	7.9	06/14/23 14:38	
Benzene	ug/L	ND	5.0	3.0	06/14/23 14:38	
Carbon tetrachloride	ug/L	ND	5.0	2.2	06/14/23 14:38	
Chlorobenzene	ug/L	ND	5.0	1.8	06/14/23 14:38	
Chloroform	ug/L	ND	5.0	2.8	06/14/23 14:38	
Tetrachloroethene	ug/L	ND	5.0	1.8	06/14/23 14:38	
Trichloroethene	ug/L	ND	5.0	1.8	06/14/23 14:38	
Vinyl chloride	ug/L	ND	5.0	1.8	06/14/23 14:38	
1,2-Dichloroethane-d4 (S)	%	104	70-130		06/14/23 14:38	
4-Bromofluorobenzene (S)	%	98	70-130		06/14/23 14:38	
Toluene-d8 (S)	%	100	70-130		06/14/23 14:38	

LABORATORY CONTROL SAMPLE: 4048860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	20	23.2	116	70-130	
1,2-Dichloroethane	ug/L	20	22.4	112	70-130	
1,4-Dichlorobenzene	ug/L	20	22.2	111	70-130	
2-Butanone (MEK)	ug/L	40	48.1	120	70-134	
Benzene	ug/L	20	21.7	109	70-130	
Carbon tetrachloride	ug/L	20	21.6	108	70-130	
Chlorobenzene	ug/L	20	21.8	109	70-130	
Chloroform	ug/L	20	22.1	110	70-130	
Tetrachloroethene	ug/L	20	20.6	103	70-130	
Trichloroethene	ug/L	20	21.5	108	70-130	
Vinyl chloride	ug/L	20	17.4	87	62-130	
1,2-Dichloroethane-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	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

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: NEWBERRY, SC
Pace Project No.: 92671746

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4048862 4048863

Parameter	Units	92671746008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	20	20	ND	ND	105	103	70-156		30	
1,2-Dichloroethane	ug/L	ND	20	20	ND	ND	116	107	69-143		30	
1,4-Dichlorobenzene	ug/L	ND	20	20	ND	ND	113	115	70-142		30	
2-Butanone (MEK)	ug/L	ND	40	40	ND	ND	99	89	60-157		30	
Benzene	ug/L	ND	20	20	ND	ND	100	103	70-142		30	
Carbon tetrachloride	ug/L	ND	20	20	ND	ND	96	100	70-148		30	
Chlorobenzene	ug/L	ND	20	20	ND	ND	106	108	70-141		30	
Chloroform	ug/L	ND	20	20	ND	ND	107	109	70-148		30	
Tetrachloroethene	ug/L	ND	20	20	ND	ND	101	95	70-145		30	
Trichloroethene	ug/L	ND	20	20	ND	ND	93	101	62-146		30	
Vinyl chloride	ug/L	ND	20	20	ND	ND	80	77	61-163		30	
1,2-Dichloroethane-d4 (S)	%						106	105	70-130			
4-Bromofluorobenzene (S)	%						97	96	70-130			
Toluene-d8 (S)	%						102	100	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

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: NEWBERRY, SC
Pace Project No.: 92671746

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.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

C9	Common Laboratory Contaminant.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NEWBERRY, SC
Pace Project No.: 92671746

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92671746001	**MW-34**	EPA 8260D	780851		
92671746002	**MW-35**	EPA 8260D	780851		
92671746003	**MW-36**	EPA 8260D	780851		
92671746004	**MW-37**	EPA 8260D	780851		
92671746005	**MW-38**	EPA 8260D	780851		
92671746006	**MW-10**	EPA 8260D	780851		
92671746007	**ERD-OB5W-1**	EPA 8260D	780851		
92671746009	**IDW-GW**	EPA 8260D	781277		
92671746010	**DUP-1-20230608**	EPA 8260D	781277		
92671746011	**FB-1-20230608**	EPA 8260D	780270		
92671746012	**FB-1-20230609**	EPA 8260D	780270		
92671746013	**TRIP BLANK**	EPA 8260D	780270		
92671746008	**IDW-SOIL**	EPA 8260D	780508		

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project #:

WO#: 92671746

92671746

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: CS 6/12/23

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

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 92T070

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 0.7 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 0.7

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT, SL	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

(1)

WO#: 92671746

PM: BV Due Date: 06/19/23

CLIENT: 92-AECOM-SC

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

Project #

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																3													
2																3													
3																3													
4																3													
5																3													
6																3													
7																3													
8									1																				
9																3													
10																3													
11																3													
12																3													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

2

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																2													
2																													
3																													
4																													
5																													
6																													
7																													
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9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM Environment	Report To:	Oliphant, Dave	Attention:	
Address:	10 Patewood Drive	Copy To:		Company Name:	
	Bldg. VI, Ste. 500, Greenville, SC 29615			Address:	
Email:	dave.oliphant@aecom.com	Purchase Order #:	~~159~~	Pace Quote:	00138541
Phone:	864-380-6950 Fax	Project Name:	Newberry, SC	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	5863-13

Regulatory Agency

State / Location: SC

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	TCL VOC 8260	Trip Blank	TCLP VOCs SVOCs Metals	Residual Chlorine (Y/N)	
	MATRIX CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS																						
1	MW-34	WT	G	6/8	1058	6/8	—	7.5	3				X						X					92671746
2	MW-35	"	"	6/8	1202	6/8	—	"	"				"						"					None 001
3	MW-36	"	"	6/8	1625	6/8	—	"	"				"						"					002
4	MW-37	"	"	6/8	1605	6/8	—	"	"				"						"					003
5	MW-38	"	"	6/8	1549	6/8	—	"	"				"						"					004
6	MW-10	"	"	6/9	1038	6/9	—	"	"				"						"					005
7	ERD-OBSW-1	"	"	6/9	0927	6/9	—	"	"				"						"				N	Slight odor 006
8	IDW-Soil	SL	C	6/8	1640	6/8	—	"	1	X										X	X			None 008
9	IDW-GW	WT	C	6/8	1650	6/8	—	"	3				X						X					009
10	Dup-1-20230608	"	"	6/8	—	6/8	—	"	"				"						"					010
11	FB-1-20230608	"	"	6/8	1556	6/8	—	"	"				"						"					011
12	FB-1-20230609	"	"	6/9	1000	6/9	—	"	"				"						"					012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PN: 60708901.2	Trevor Brown/AECOM	6/9/23	1315	S Giles	6/9/23	1:21				
PO#: 1594381				CS Pace	6/10/23	1125	0.7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Trevor Brown

SIGNATURE of SAMPLER: Trevor Brown DATE Signed: 6/9/23

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	AECOM Environment	Report To:	Oliphant, Dave	Attention:	
Address:	10 Patewood Drive	Copy To:		Company Name:	
	Bldg. VI, Ste. 500, Greenville, SC 29615			Address:	
Email:	dave.oliphant@aecom.com	Purchase Order #:		Pace Quote:	00138541
Phone:	864-380-6950 Fax:	Project Name:	Newberry, SC	Pace Project Manager:	bonnie.vang@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	5863-13

Regulatory Agency

State / Location: SC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	TCL VOC 8260	Trip Blank	Residual Chlorine (Y/N)	92671746
1	Trip Blank	WT	G	—	—	—	—	05	2				X						X		N	None 001
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
PN: 60708901.2	Trevor Brown/AECOM	6/9/23	1315	S Coles	6/9/23	1:21			
PO#1594381				CS Pace 6/10/23		1125	0.7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Trevor Brown

SIGNATURE of SAMPLER: Trevor Brown DATE Signed: 6/9/23

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

DATA ASSESSMENT REPORT

Data assessment is a systematic process for reviewing a body of data against a predefined set of criteria to provide assurance that the data meet project analytical Data Quality Objective (DQO) requirements. The purpose of the data assessment process is to determine if and how the usability of the analytical data is affected by the overall analytical processes and sample collection and handling procedures. If specific analytical DQOs are not met, the data are qualified (i.e., data flags are assigned to sample results) in accordance with guidelines established by the United States Environmental Protection Agency (USEPA). Data assessment allows the data user to adequately determine if the data can be used for its intended purpose. The data acceptance criteria are established according to Standard Operating Procedures (SOPs) and Statements of Work (SOWs) provided to the contracted analytical laboratory. The assessment of data quality and usability involves five components, as described below.

1) **Field Sampling Check** is a process to ensure that all samples were collected, and the laboratory analyses were performed as stipulated in the applicable site-specific Work Plan or Field Sampling Plan (FSP). Inspection of sample preservation procedures, sample handling, analysis requested, sample description and ID, cooler receipt forms, holding time evaluation, and Chain of Custody procedures are all evaluated to ensure that the evidentiary nature of the samples and the resulting analytical data have not been compromised.

2) **Data Verification** is a process for determining the completeness, correctness, consistency, and compliance of a data package in accordance with requirements contained in the applicable SOW and/or contract-specific requirements. This is a review of the data package, electronic data deliverable (EDD), and invoice received from the contract laboratory to ensure that the contract required information is present and complete prior to data validation.

3) **Data Review** is a process of reviewing the primary quality control (QC) data provided by the laboratory and the results of any internal quality assurance (QA)/QC samples, such as field blanks, trip blanks, equipment blanks or ambient blanks, field split samples, and duplicate samples, to ascertain any effect the laboratory's procedures or the sample collection process has on the data.

4) **Data Evaluation** is a process to determine if the data meet project-specific analytical DQOs and contract requirements. This evaluation may involve a review of field sampling and sample management procedures, laboratory audits, Performance Evaluation (PE) sample results, and any other data quality indicators that are available.

5) **Data Validation** is a process to determine the accuracy and precision of analytical data generated and to identify any anomalies encountered. The validation process is performed in accordance with USEPA regional or national functional guidelines, project-specific guidelines, and compliance with the requirements of each analytical method. Two major components of data validation are

laboratory performance and matrix interferences. Evaluation of laboratory performance is a check for compliance for each analytical method to determine if the samples were analyzed within the prescribed acceptance criteria of the method. Evaluation of matrix interferences involves the analysis of surrogate spike recoveries, matrix spike recoveries, and duplicate sample results. Data not meeting project-specific analytical DQOs or the requirements of the analytical method are qualified with data flags according to referenced guidelines.

Data Assessment Procedures

AECOM performed independent QC checks of field and laboratory procedures that were used in collecting and analyzing the data. The QC checks verify that the data collected are of appropriate quality for the intended data use and that the analytical DQOs were met. The steps and guidelines followed during the data validation process were modeled on the *USEPA National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, November 2020). In addition, method-specific criteria set forth in the compendium of analytical methods found in the *Test Methods for Evaluation Solid Waste: Physical/Chemical Methods Compendium (SW-846*), *Update V* (USEPA, July 2014) are also evaluated during the validation process. This validation process has been adapted to meet the analytical DQO requirements for generation of definitive critical data.

Data Validation Results

The analytical data (see associated COCs) were collected from June 8-9, 2023, for Signify. The analytical data were validated according to the procedures outlined above. Where data flags have been applied to this data set, they are separated by a slash "/":

Volatile Organic Compounds and TCLP Volatile Organic Compounds by Method 8260D

Results of the validation process indicate the data analyzed for this method are acceptable for their intended use and no data flags are required.

TCLP Semivolatile Organic Compounds by Method 8270E

Insufficient sample volume was provided to the laboratory; sample analysis not performed.

TCLP Metals by Methods 6010D/7470A

Insufficient sample volume was provided to the laboratory; sample analysis not performed.

Data Summary and Usability

No QC excursions were encountered during the validation of this data set. Therefore, the data associated with this laboratory batch should be considered compliant and adequate for its intended use.

References

United States Environmental Protection Agency (USEPA), February 2014. *Test Methods for Evaluation Solid Waste: Physical/Chemical Methods Compendium (SW-846*), *Update V* (USEPA, July 2014).

United States Environmental Protection Agency (USEPA), November 2020. *USEPA National Functional Guidelines for Organic Superfund Methods Data Review.* Publication #EPA-540-R-20-005.

Attachment 4

Subslab Vapor, Soil, Groundwater Sampling Field Notes – September 2023

Well/Piezo ID: ISCO-OBGW-15

AECOM

Ground Water Sample Collection Record

Client: Valmont
Project No: 60704227
Site Location: Shakespeare Composite Structures
Weather Conds: Clear 74 Collector(s) Justin Butler, Trevor Brown
Date: 9/29/23
Time: Start 0935 am/pm
Finish 1000 am/pm

WATER LEVEL DATA: (measured from Top of Casing) Well ☑ Piezometer ☐

a. Total Well Length _____ c. Casing Material PVC e. Length of Water Column _____ (a-b)

b. Water Table Depth 12.89 d. Casing Diameter 2" f. Calculated Well Volume (see back) _____

WELL PURGING DATA

a. Purge Method Peristaltic pump

b. Acceptance Criteria defined (from workplan)
- Minimum Required Purge Volume (@ _____ well volumes) _____
- Maximum Allowable Turbidity _____ NTUs
- Stabilization of parameters _____ %

c. Field Testing Equipment Used:

	Make	Model	Serial Number
	Insitu	Aquatrol 600	808958
	Geotech	MUM	8205004

d. Field Testing Equipment Calibration Documentation Found in Field Notebook # – Page # –

Time	Volume Removed (gal)	T° (C/F)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	Color	Odor	Other
0935	0	23.07	5.66	135.95	11.98	6.31	Clear	–	–
0940	0.2	23.03	6.68	135.53	8.99	6.24	Clear	–	–
0945	0.4	23.01	6.69	134.95	6.84	6.15	Clear	–	–
0950	0.6	23.05	5.72	134.45	8.55	6.14	Clear	–	–
0955	0.8	23.09	5.75	133.61	9.23	6.11	Clear	–	–

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☑
Has required turbidity been reached	☐	☐	☑
Have parameters stabilized	☑	☐	☐

If no or N/A - Explain below.

SAMPLE COLLECTION: Method: Peristaltic pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
TMW-31	40mL VOA	3	HCl	8260	1000

Comments _____

Signature Trevor Brown Date 9/29/23

Well/Piezo ID: TMW-31

AECOM

Ground Water Sample Collection Record

Client: Valmont
Project No: 60704227
Site Location: Shakespeare Composite Structures
Weather Conds: Clear, 70
Collector(s): Justin Butler, Trevor Brown
Date: 9/29/23
Time: Start 0900 am/pm
Finish 0930 am/pm

WATER LEVEL DATA: (measured from Top of Casing)

Well ☑ Piezometer ☐

a. Total Well Length _____
b. Water Table Depth 13.43
c. Casing Material PVC
d. Casing Diameter 1"
e. Length of Water Column _____ (a-b)
f. Calculated Well Volume (see back) _____

WELL PURGING DATA

a. Purge Method Peristaltic pump

b. Acceptance Criteria defined (from workplan)
- Minimum Required Purge Volume (@ _____ well volumes) _____
- Maximum Allowable Turbidity _____ NTUs
- Stabilization of parameters _____ %

c. Field Testing Equipment Used:

	Make	Model	Serial Number
	Insitu	Aquatroll 600	808458
	Geotech	WLM	82050074

d. Field Testing Equipment Calibration Documentation Found in Field Notebook # — Page # —

Time	Volume Removed (gal)	T° (C/F)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	Color	Odor	Other
0900	0	23.47	5.17	85.54	99.99	5.27	Clear	—	—
0905	0.2	23.80	4.75	28.07	116.50	4.27	Clear	—	—
0910	0.4	23.88	4.84	24.56	18.31	5.48	Clear	—	—
0915	0.6	23.86	5.04	24.40	21.81	5.93	Clear	—	—
0920	0.8	23.85	4.98	22.28	3.54	5.96	Clear	—	—
0925	1	23.85	4.98	22.17	2.52	5.99	Clear	—	—

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☑
Has required turbidity been reached	☐	☐	☑
Have parameters stabilized	☑	☐	☐

If no or N/A - Explain below.

SAMPLE COLLECTION: Method: Peristaltic pump

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
TMW-31	40mL VOA	3	HCl	8260	0930

Comments _____

Signature Trevor Brown Date 9/29/23

Photo / Flame-Ionization Detector Calibration Certificate

AECOM

Cal Standard

PID Isobutylene 100 ppm	Lot #	Expiration	Post-Cal Reading	Acceptable Range 98 - 102
	402716664-1	4-27	100	

FID Methane 100 ppm	Lot #	Expiration	Post-Cal Reading	Acceptable Range 98 - 102
		N/A		

Pump Flow mL/min	Acceptable Range 350 - 450
360	

Model MiniRae 3000 **S/N** 592-910624

Lamp 10.6 eV

Project Name: NewBerry / Signify

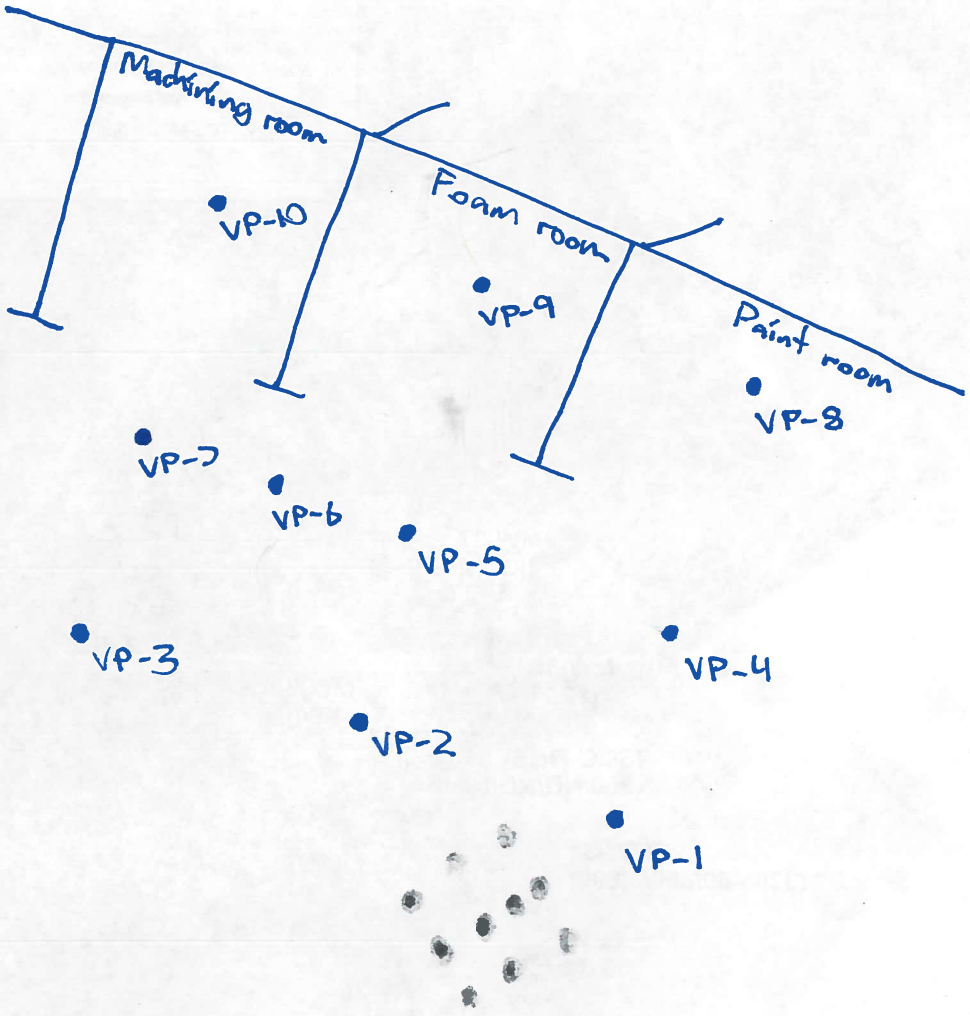
Project #: 60704227.3

Calibrated By: Eric Olson

Date of Calibration: 9-25-23

Signed: Eric Olson

	Initial PID	Final PID	Soil sample time
VP-1	~~57.6~~	26.4	
2	62.2	33.6	
3	35.2	32.3	
4	80.8 –	41.2	1730
5	70.3 –	39.6	1710
6	79.7 –	~~48.0~~ 53.0	1702
7	64.7	45.8	1740
8	30.5	11.7	
9	15.4	33.8	
10	34.9	41.6	



Northing	Easting	Elevation	Description
904245.6806	1808579.0666	560.60	ROCK OUTCROP_TOP ELEVATION
904168.3634	1808516.2072	554.38	VP-2
904168.5524	1808514.9590	561.22	VP-2
904152.5639	1808537.6688	561.46	VP-1
904170.4509	1808549.4754	561.51	VP-4
904187.6580	1808562.6914	561.53	VP-8
904184.0942	1808529.5211	561.45	VP-5
904192.2826	1808518.9916	561.20	VP-6
904197.5032	1808509.1079	561.53	VP-7
904181.6640	1808529.3690	561.41	DROP INLET
904149.2313	1808507.0529	561.43	DROP INLET
904167.0172	1808517.9048	561.25	PAINT_SEWER
904181.7765	1808528.5914	561.30	PAINT_SEWER
904186.7822	1808532.7245	561.49	PAINT_SEWER
904184.2095	1808536.8674	561.52	PAINT_SEWER
904187.6201	1808538.9178	561.53	PAINT_SEWER
904182.8561	1808538.1731	561.51	PAINT_SEWER
904189.2190	1808528.8303	561.49	PAINT_SEWER
904198.6346	1808514.9042	561.50	PAINT_SEWER
904204.7389	1808505.1385	561.53	PAINT_SEWER
904199.0213	1808535.3557	561.50	PAINT_SEWER
904189.7694	1808529.8714	560.81	PAINT_SEWER
904219.6918	1808523.6057	561.50	VP-10
904183.8328	1808494.4384	561.49	VP-3
904205.8681	1808543.7284	561.48	VP-9
904199.3300	1808546.8670	561.49	PAINT_SEWER
904190.3928	1808541.1427	561.53	PAINT_SEWER
904205.5964	1808550.3006	561.45	PAINT_SEWER
904199.4560	1808547.6949	561.48	PAINT_ELECTRIC
904202.8605	1808542.1410	561.48	PAINT_ELECTRIC
904207.1819	1808538.0961	561.48	PAINT_ELECTRIC
904207.4551	1808535.4008	560.87	PAINT_ELECTRIC
904001.2106	1808071.1764	561.25	ROCK OUTCROP_TOP ELEVATION
904026.2089	1808093.3512	561.23	ROCK OUTCROP_TOP ELEVATION

Attachment 5

Laboratory Analytical Report for SSV, Soil, and Groundwater – September 2023

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 10, 2023

Dave Oliphant
AECOM Environment
10 Patewood Drive
Bldg. VI, Ste. 500
Greenville, SC 29615

RE: Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Dear Dave Oliphant:

Enclosed are the analytical results for sample(s) received by the laboratory on September 29, 2023. 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 National - Mt. Juliet

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

Sincerely,

Bonnie Vang

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services, LLC
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SAMPLE SUMMARY

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92690806001	**VP-1**	Air	09/28/23 14:58	09/29/23 09:00
92690806002	**VP-2**	Air	09/28/23 15:02	09/29/23 09:00
92690806003	**VP-3**	Air	09/28/23 15:02	09/29/23 09:00
92690806004	**VP-4**	Air	09/28/23 15:01	09/29/23 09:00
92690806005	**VP-5**	Air	09/28/23 15:17	09/29/23 09:00
92690806006	**VP-6**	Air	09/28/23 15:18	09/29/23 09:00
92690806007	**VP-7**	Air	09/28/23 15:17	09/29/23 09:00
92690806008	**VP-8**	Air	09/28/23 15:18	09/29/23 09:00
92690806009	**VP-9**	Air	09/28/23 15:29	09/29/23 09:00
92690806010	**VP-10**	Air	09/28/23 15:30	09/29/23 09:00

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92690806001	**VP-1**	TO-15	DAH, JAP	70	PAN
92690806002	**VP-2**	TO-15	DAH, MNP	70	PAN
92690806003	**VP-3**	TO-15	DAH	70	PAN
92690806004	**VP-4**	TO-15	DAH, JAP, MNP	70	PAN
92690806005	**VP-5**	TO-15	DAH, MNP	70	PAN
92690806006	**VP-6**	TO-15	DAH, MNP	70	PAN
92690806007	**VP-7**	TO-15	DAH, MNP	70	PAN
92690806008	**VP-8**	TO-15	DAH, MNP	70	PAN
92690806009	**VP-9**	TO-15	DAH, JAP	70	PAN
92690806010	**VP-10**	TO-15	DAH, MNP	70	PAN

PAN = Pace National - Mt. Juliet

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92690806001	**VP-1**					
TO-15	Acetone	2100	ug/m3	59.4	10/06/23 12:34	
TO-15	Benzene	4.25	ug/m3	0.639	10/03/23 12:16	
TO-15	Chloromethane	0.717	ug/m3	0.413	10/03/23 12:16	
TO-15	Cyclohexane	1.34	ug/m3	0.689	10/03/23 12:16	
TO-15	1,4-Dichlorobenzene	8.18	ug/m3	1.20	10/03/23 12:16	
TO-15	Ethanol	165	ug/m3	4.71	10/03/23 12:16	
TO-15	Ethylbenzene	14.4	ug/m3	0.867	10/03/23 12:16	
TO-15	4-Ethyltoluene	29.6	ug/m3	0.982	10/03/23 12:16	
TO-15	Trichlorofluoromethane	108	ug/m3	1.12	10/03/23 12:16	
TO-15	Dichlorodifluoromethane	2.43	ug/m3	0.989	10/03/23 12:16	
TO-15	n-Heptane	6.63	ug/m3	0.818	10/03/23 12:16	
TO-15	n-Hexane	5.64	ug/m3	2.22	10/03/23 12:16	
TO-15	2-Butanone (MEK)	133	ug/m3	3.69	10/03/23 12:16	
TO-15	Methyl methacrylate	32.9	ug/m3	0.819	10/03/23 12:16	
TO-15	2-Propanol	81.1	ug/m3	3.07	10/03/23 12:16	
TO-15	Styrene	4010	ug/m3	85.1	10/07/23 22:05	
TO-15	Tetrachloroethene	15.5	ug/m3	1.36	10/03/23 12:16	
TO-15	Toluene	14.8	ug/m3	1.88	10/03/23 12:16	
TO-15	Trichloroethene	24.0	ug/m3	1.07	10/03/23 12:16	
TO-15	1,2,4-Trimethylbenzene	33.7	ug/m3	0.982	10/03/23 12:16	
TO-15	1,3,5-Trimethylbenzene	10.3	ug/m3	0.982	10/03/23 12:16	
TO-15	m&p-Xylene	56.8	ug/m3	1.73	10/03/23 12:16	
TO-15	o-Xylene	16.6	ug/m3	0.867	10/03/23 12:16	
TO-15	Xylene (Total)	73.4	ug/m3	2.61	10/03/23 12:16	
92690806002	**VP-2**					
TO-15	Acetone	304	ug/m3	29.7	10/06/23 19:00	
TO-15	Benzene	1.77	ug/m3	0.639	10/03/23 12:56	
TO-15	Carbon disulfide	10.9	ug/m3	0.622	10/03/23 12:56	
TO-15	Ethanol	426	ug/m3	47.1	10/06/23 19:00	
TO-15	Ethylbenzene	3.20	ug/m3	0.867	10/03/23 12:56	
TO-15	Ethyl acetate	2.19	ug/m3	0.720	10/03/23 12:56	
TO-15	4-Ethyltoluene	2.35	ug/m3	0.982	10/03/23 12:56	
TO-15	Trichlorofluoromethane	38.9	ug/m3	1.12	10/03/23 12:56	
TO-15	Dichlorodifluoromethane	2.35	ug/m3	0.989	10/03/23 12:56	
TO-15	n-Heptane	1.57	ug/m3	0.818	10/03/23 12:56	
TO-15	n-Hexane	3.42	ug/m3	2.22	10/03/23 12:56	
TO-15	2-Butanone (MEK)	51.0	ug/m3	3.69	10/03/23 12:56	
TO-15	2-Propanol	30.7	ug/m3	3.07	10/03/23 12:56	
TO-15	Styrene	270	ug/m3	0.851	10/03/23 12:56	
TO-15	Tetrachloroethene	8.01	ug/m3	1.36	10/03/23 12:56	
TO-15	Toluene	9.98	ug/m3	1.88	10/03/23 12:56	
TO-15	Trichloroethene	9.43	ug/m3	1.07	10/03/23 12:56	
TO-15	1,2,4-Trimethylbenzene	2.40	ug/m3	0.982	10/03/23 12:56	
TO-15	2,2,4-Trimethylpentane	1.28	ug/m3	0.934	10/03/23 12:56	
TO-15	m&p-Xylene	12.2	ug/m3	1.73	10/03/23 12:56	
TO-15	o-Xylene	4.51	ug/m3	0.867	10/03/23 12:56	
TO-15	Xylene (Total)	16.7	ug/m3	2.61	10/03/23 12:56	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92690806003	**VP-3**					
TO-15	Acetone	691	ug/m3	59.4	10/06/23 13:11	
TO-15	Benzene	2.43	ug/m3	0.639	10/03/23 13:36	
TO-15	Carbon disulfide	9.52	ug/m3	0.622	10/03/23 13:36	
TO-15	Ethanol	172	ug/m3	4.71	10/03/23 13:36	
TO-15	Ethylbenzene	4.64	ug/m3	0.867	10/03/23 13:36	
TO-15	4-Ethyltoluene	3.00	ug/m3	0.982	10/03/23 13:36	
TO-15	Trichlorofluoromethane	78.7	ug/m3	1.12	10/03/23 13:36	
TO-15	Dichlorodifluoromethane	2.54	ug/m3	0.989	10/03/23 13:36	
TO-15	n-Heptane	1.80	ug/m3	0.818	10/03/23 13:36	
TO-15	n-Hexane	3.27	ug/m3	2.22	10/03/23 13:36	
TO-15	Methylene Chloride	0.951	ug/m3	0.694	10/03/23 13:36	
TO-15	2-Butanone (MEK)	8.02	ug/m3	3.69	10/03/23 13:36	
TO-15	2-Propanol	29.3	ug/m3	3.07	10/03/23 13:36	
TO-15	Styrene	232	ug/m3	0.851	10/03/23 13:36	
TO-15	Tetrachloroethene	3.24	ug/m3	1.36	10/03/23 13:36	
TO-15	Tetrahydrofuran	4.13	ug/m3	0.590	10/03/23 13:36	
TO-15	Toluene	10.4	ug/m3	1.88	10/03/23 13:36	
TO-15	Trichloroethene	1.69	ug/m3	1.07	10/03/23 13:36	
TO-15	1,2,4-Trimethylbenzene	3.25	ug/m3	0.982	10/03/23 13:36	
TO-15	2,2,4-Trimethylpentane	1.59	ug/m3	0.934	10/03/23 13:36	
TO-15	m&p-Xylene	19.3	ug/m3	1.73	10/03/23 13:36	
TO-15	o-Xylene	6.55	ug/m3	0.867	10/03/23 13:36	
TO-15	Xylene (Total)	25.9	ug/m3	2.61	10/03/23 13:36	
92690806004	**VP-4**					
TO-15	Acetone	31400	ug/m3	594	10/07/23 23:37	
TO-15	Benzene	2.41	ug/m3	0.639	10/03/23 14:14	
TO-15	Carbon disulfide	1.79	ug/m3	0.622	10/03/23 14:14	
TO-15	Cyclohexane	1.27	ug/m3	0.689	10/03/23 14:14	
TO-15	1,3-Dichlorobenzene	1.40	ug/m3	1.20	10/03/23 14:14	
TO-15	Ethanol	683	ug/m3	94.3	10/06/23 20:15	
TO-15	Ethylbenzene	4.21	ug/m3	0.867	10/03/23 14:14	
TO-15	4-Ethyltoluene	2.83	ug/m3	0.982	10/03/23 14:14	
TO-15	Trichlorofluoromethane	60.1	ug/m3	1.12	10/03/23 14:14	
TO-15	Dichlorodifluoromethane	2.62	ug/m3	0.989	10/03/23 14:14	
TO-15	n-Hexane	6.77	ug/m3	2.22	10/03/23 14:14	
TO-15	2-Butanone (MEK)	56.9	ug/m3	3.69	10/03/23 14:14	
TO-15	2-Propanol	186	ug/m3	3.07	10/03/23 14:14	
TO-15	Styrene	234	ug/m3	17.0	10/06/23 20:15	
TO-15	Tetrachloroethene	23.3	ug/m3	1.36	10/03/23 14:14	
TO-15	Toluene	13.7	ug/m3	1.88	10/03/23 14:14	
TO-15	1,2,4-Trimethylbenzene	3.01	ug/m3	0.982	10/03/23 14:14	
TO-15	1,3,5-Trimethylbenzene	0.982	ug/m3	0.982	10/03/23 14:14	
TO-15	m&p-Xylene	16.4	ug/m3	1.73	10/03/23 14:14	
TO-15	o-Xylene	5.64	ug/m3	0.867	10/03/23 14:14	
TO-15	Xylene (Total)	22.1	ug/m3	2.61	10/03/23 14:14	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92690806005	**VP-5**					
TO-15	Acetone	2090	ug/m3	59.4	10/06/23 19:25	
TO-15	Benzene	1.81	ug/m3	0.639	10/03/23 14:52	
TO-15	Carbon disulfide	3.67	ug/m3	0.622	10/03/23 14:52	
TO-15	1,3-Dichlorobenzene	1.32	ug/m3	1.20	10/03/23 14:52	
TO-15	Ethanol	507	ug/m3	94.3	10/06/23 19:25	
TO-15	Ethylbenzene	3.91	ug/m3	0.867	10/03/23 14:52	
TO-15	4-Ethyltoluene	3.02	ug/m3	0.982	10/03/23 14:52	
TO-15	Trichlorofluoromethane	33.0	ug/m3	1.12	10/03/23 14:52	
TO-15	Dichlorodifluoromethane	2.30	ug/m3	0.989	10/03/23 14:52	
TO-15	n-Heptane	1.37	ug/m3	0.818	10/03/23 14:52	
TO-15	n-Hexane	3.56	ug/m3	2.22	10/03/23 14:52	
TO-15	Methylene Chloride	2.19	ug/m3	0.694	10/03/23 14:52	
TO-15	2-Butanone (MEK)	26.4	ug/m3	3.69	10/03/23 14:52	
TO-15	2-Propanol	58.7	ug/m3	3.07	10/03/23 14:52	
TO-15	Styrene	338	ug/m3	0.851	10/03/23 14:52	
TO-15	Tetrachloroethene	12.2	ug/m3	1.36	10/03/23 14:52	
TO-15	Toluene	8.36	ug/m3	1.88	10/03/23 14:52	
TO-15	Trichloroethene	8.25	ug/m3	1.07	10/03/23 14:52	
TO-15	1,2,4-Trimethylbenzene	3.09	ug/m3	0.982	10/03/23 14:52	
TO-15	1,3,5-Trimethylbenzene	1.07	ug/m3	0.982	10/03/23 14:52	
TO-15	m&p-Xylene	16.7	ug/m3	1.73	10/03/23 14:52	
TO-15	o-Xylene	6.16	ug/m3	0.867	10/03/23 14:52	
TO-15	Xylene (Total)	22.9	ug/m3	2.61	10/03/23 14:52	
92690806006	**VP-6**					
TO-15	Acetone	1480	ug/m3	59.4	10/06/23 20:40	
TO-15	Benzene	1.46	ug/m3	0.639	10/03/23 15:32	
TO-15	Carbon disulfide	1.57	ug/m3	0.622	10/03/23 15:32	
TO-15	1,3-Dichlorobenzene	1.61	ug/m3	1.20	10/03/23 15:32	
TO-15	Ethanol	517	ug/m3	94.3	10/06/23 20:40	
TO-15	Ethylbenzene	3.25	ug/m3	0.867	10/03/23 15:32	
TO-15	4-Ethyltoluene	2.33	ug/m3	0.982	10/03/23 15:32	
TO-15	Trichlorofluoromethane	24.3	ug/m3	1.12	10/03/23 15:32	
TO-15	Dichlorodifluoromethane	2.49	ug/m3	0.989	10/03/23 15:32	
TO-15	n-Hexane	2.59	ug/m3	2.22	10/03/23 15:32	
TO-15	Methylene Chloride	1.25	ug/m3	0.694	10/03/23 15:32	
TO-15	2-Butanone (MEK)	22.2	ug/m3	3.69	10/03/23 15:32	
TO-15	2-Propanol	48.4	ug/m3	3.07	10/03/23 15:32	
TO-15	Styrene	206	ug/m3	17.0	10/06/23 20:40	
TO-15	Tetrachloroethene	17.0	ug/m3	1.36	10/03/23 15:32	
TO-15	Toluene	8.44	ug/m3	1.88	10/03/23 15:32	
TO-15	1,1,1-Trichloroethane	1.65	ug/m3	1.09	10/03/23 15:32	
TO-15	1,2,4-Trimethylbenzene	2.51	ug/m3	0.982	10/03/23 15:32	
TO-15	m&p-Xylene	12.6	ug/m3	1.73	10/03/23 15:32	
TO-15	o-Xylene	4.55	ug/m3	0.867	10/03/23 15:32	
TO-15	Xylene (Total)	17.2	ug/m3	2.61	10/03/23 15:32	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92690806007	**VP-7**					
TO-15	Acetone	613	ug/m3	29.7	10/06/23 17:18	
TO-15	Benzene	2.96	ug/m3	0.639	10/03/23 16:12	
TO-15	Carbon disulfide	7.63	ug/m3	0.622	10/03/23 16:12	
TO-15	Chloromethane	0.770	ug/m3	0.413	10/03/23 16:12	
TO-15	1,3-Dichlorobenzene	1.71	ug/m3	1.20	10/03/23 16:12	
TO-15	Ethanol	172	ug/m3	4.71	10/03/23 16:12	
TO-15	Ethylbenzene	5.16	ug/m3	0.867	10/03/23 16:12	
TO-15	4-Ethyltoluene	3.51	ug/m3	0.982	10/03/23 16:12	
TO-15	Trichlorofluoromethane	36.8	ug/m3	1.12	10/03/23 16:12	
TO-15	Dichlorodifluoromethane	2.44	ug/m3	0.989	10/03/23 16:12	
TO-15	n-Hexane	6.59	ug/m3	2.22	10/03/23 16:12	
TO-15	Methylene Chloride	2.57	ug/m3	0.694	10/03/23 16:12	
TO-15	2-Butanone (MEK)	26.1	ug/m3	3.69	10/03/23 16:12	
TO-15	2-Propanol	27.8	ug/m3	3.07	10/03/23 16:12	
TO-15	Propylene	8.66	ug/m3	2.15	10/03/23 16:12	
TO-15	Styrene	264	ug/m3	0.851	10/03/23 16:12	
TO-15	Tetrachloroethene	6.28	ug/m3	1.36	10/03/23 16:12	
TO-15	Toluene	9.87	ug/m3	1.88	10/03/23 16:12	
TO-15	1,1,1-Trichloroethane	1.44	ug/m3	1.09	10/03/23 16:12	
TO-15	Trichloroethene	2.72	ug/m3	1.07	10/03/23 16:12	
TO-15	1,2,4-Trimethylbenzene	3.73	ug/m3	0.982	10/03/23 16:12	
TO-15	1,3,5-Trimethylbenzene	1.35	ug/m3	0.982	10/03/23 16:12	
TO-15	2,2,4-Trimethylpentane	1.57	ug/m3	0.934	10/03/23 16:12	
TO-15	m&p-Xylene	22.8	ug/m3	1.73	10/03/23 16:12	
TO-15	o-Xylene	7.63	ug/m3	0.867	10/03/23 16:12	
TO-15	Xylene (Total)	30.5	ug/m3	2.61	10/03/23 16:12	
92690806008	**VP-8**					
TO-15	Acetone	504	ug/m3	59.4	10/06/23 19:50	
TO-15	Benzene	2.04	ug/m3	0.639	10/03/23 16:52	
TO-15	Carbon disulfide	4.64	ug/m3	0.622	10/03/23 16:52	
TO-15	Ethanol	1900	ug/m3	94.3	10/06/23 19:50	
TO-15	Ethylbenzene	3.86	ug/m3	0.867	10/03/23 16:52	
TO-15	4-Ethyltoluene	3.33	ug/m3	0.982	10/03/23 16:52	
TO-15	Trichlorofluoromethane	318	ug/m3	1.12	10/03/23 16:52	
TO-15	Dichlorodifluoromethane	2.58	ug/m3	0.989	10/03/23 16:52	
TO-15	n-Hexane	2.92	ug/m3	2.22	10/03/23 16:52	
TO-15	2-Butanone (MEK)	17.5	ug/m3	3.69	10/03/23 16:52	
TO-15	2-Propanol	76.0	ug/m3	3.07	10/03/23 16:52	
TO-15	Propylene	10.1	ug/m3	2.15	10/03/23 16:52	
TO-15	Styrene	186	ug/m3	0.851	10/03/23 16:52	
TO-15	Tetrachloroethene	26.5	ug/m3	1.36	10/03/23 16:52	
TO-15	Toluene	10.3	ug/m3	1.88	10/03/23 16:52	
TO-15	Trichloroethene	4.23	ug/m3	1.07	10/03/23 16:52	
TO-15	1,2,4-Trimethylbenzene	3.99	ug/m3	0.982	10/03/23 16:52	
TO-15	1,3,5-Trimethylbenzene	1.45	ug/m3	0.982	10/03/23 16:52	
TO-15	m&p-Xylene	15.6	ug/m3	1.73	10/03/23 16:52	
TO-15	o-Xylene	6.76	ug/m3	0.867	10/03/23 16:52	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92690806008	**VP-8**					
TO-15	Xylene (Total)	22.4	ug/m3	2.61	10/03/23 16:52	
92690806009	**VP-9**					
TO-15	Acetone	73.4	ug/m3	2.97	10/03/23 17:31	
TO-15	Benzene	3.99	ug/m3	0.639	10/03/23 17:31	
TO-15	Carbon disulfide	9.80	ug/m3	0.622	10/03/23 17:31	
TO-15	1,3-Dichlorobenzene	2.71	ug/m3	1.20	10/03/23 17:31	
TO-15	Ethanol	370	ug/m3	47.1	10/07/23 14:59	
TO-15	Ethylbenzene	4.55	ug/m3	0.867	10/03/23 17:31	
TO-15	4-Ethyltoluene	3.35	ug/m3	0.982	10/03/23 17:31	
TO-15	Trichlorofluoromethane	155	ug/m3	1.12	10/03/23 17:31	
TO-15	Dichlorodifluoromethane	2.50	ug/m3	0.989	10/03/23 17:31	
TO-15	n-Heptane	2.25	ug/m3	0.818	10/03/23 17:31	
TO-15	n-Hexane	3.15	ug/m3	2.22	10/03/23 17:31	
TO-15	Methylene Chloride	1.35	ug/m3	0.694	10/03/23 17:31	
TO-15	2-Butanone (MEK)	9.76	ug/m3	3.69	10/03/23 17:31	
TO-15	Styrene	125	ug/m3	0.851	10/03/23 17:31	
TO-15	Tetrachloroethene	6.23	ug/m3	1.36	10/03/23 17:31	
TO-15	Toluene	14.0	ug/m3	1.88	10/03/23 17:31	
TO-15	1,2,4-Trimethylbenzene	3.64	ug/m3	0.982	10/03/23 17:31	
TO-15	1,3,5-Trimethylbenzene	1.26	ug/m3	0.982	10/03/23 17:31	
TO-15	m&p-Xylene	19.3	ug/m3	1.73	10/03/23 17:31	
TO-15	o-Xylene	11.4	ug/m3	0.867	10/03/23 17:31	
TO-15	Xylene (Total)	30.7	ug/m3	2.61	10/03/23 17:31	
92690806010	**VP-10**					
TO-15	Acetone	532	ug/m3	29.7	10/06/23 16:17	
TO-15	Benzene	2.92	ug/m3	0.639	10/03/23 18:10	
TO-15	Carbon disulfide	18.2	ug/m3	0.622	10/03/23 18:10	
TO-15	1,3-Dichlorobenzene	1.82	ug/m3	1.20	10/03/23 18:10	
TO-15	Ethanol	464	ug/m3	47.1	10/06/23 16:17	
TO-15	Ethylbenzene	17.5	ug/m3	0.867	10/03/23 18:10	
TO-15	4-Ethyltoluene	4.61	ug/m3	0.982	10/03/23 18:10	
TO-15	Trichlorofluoromethane	100	ug/m3	1.12	10/03/23 18:10	
TO-15	Dichlorodifluoromethane	2.53	ug/m3	0.989	10/03/23 18:10	
TO-15	n-Heptane	2.44	ug/m3	0.818	10/03/23 18:10	
TO-15	n-Hexane	3.77	ug/m3	2.22	10/03/23 18:10	
TO-15	Methylene Chloride	2.30	ug/m3	0.694	10/03/23 18:10	
TO-15	2-Butanone (MEK)	20.1	ug/m3	3.69	10/03/23 18:10	
TO-15	4-Methyl-2-pentanone (MIBK)	185	ug/m3	5.12	10/03/23 18:10	
TO-15	2-Propanol	27.5	ug/m3	3.07	10/03/23 18:10	
TO-15	Styrene	398	ug/m3	0.851	10/03/23 18:10	
TO-15	Tetrachloroethene	4.99	ug/m3	1.36	10/03/23 18:10	
TO-15	Toluene	26.1	ug/m3	1.88	10/03/23 18:10	
TO-15	1,2,4-Trimethylbenzene	4.88	ug/m3	0.982	10/03/23 18:10	
TO-15	1,3,5-Trimethylbenzene	1.30	ug/m3	0.982	10/03/23 18:10	
TO-15	2,2,4-Trimethylpentane	1.79	ug/m3	0.934	10/03/23 18:10	
TO-15	m&p-Xylene	54.2	ug/m3	1.73	10/03/23 18:10	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92690806010	**VP-10**					
TO-15	o-Xylene	16.4	ug/m3	0.867	10/03/23 18:10	
TO-15	Xylene (Total)	70.8	ug/m3	2.61	10/03/23 18:10	

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PROJECT NARRATIVE

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Method: **TO-15**
Description: VOA (MS) TO-15
Client: AECOM, SC
Date: October 10, 2023

General Information:
10 samples were analyzed for TO-15 by Pace National Mt. Juliet. 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.

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.

Additional Comments:

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

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ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-1 **Lab ID: 92690806001** Collected: 09/28/23 14:58 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acetone	**2100**	ug/m3	59.4	1.39	20	10/06/23 12:34	10/06/23 12:34	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	10/03/23 12:16	10/03/23 12:16	107-05-1	
Benzene	**4.25**	ug/m3	0.639	0.228	1	10/03/23 12:16	10/03/23 12:16	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	10/03/23 12:16	10/03/23 12:16	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	10/03/23 12:16	10/03/23 12:16	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	10/03/23 12:16	10/03/23 12:16	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	10/03/23 12:16	10/03/23 12:16	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	10/03/23 12:16	10/03/23 12:16	106-99-0	
Carbon disulfide	ND	ug/m3	0.622	0.317	1	10/03/23 12:16	10/03/23 12:16	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	10/03/23 12:16	10/03/23 12:16	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	10/03/23 12:16	10/03/23 12:16	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	10/03/23 12:16	10/03/23 12:16	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	10/03/23 12:16	10/03/23 12:16	67-66-3	
Chloromethane	**0.717**	ug/m3	0.413	0.213	1	10/03/23 12:16	10/03/23 12:16	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	10/03/23 12:16	10/03/23 12:16	95-49-8	
Cyclohexane	**1.34**	ug/m3	0.689	0.259	1	10/03/23 12:16	10/03/23 12:16	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	10/03/23 12:16	10/03/23 12:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	10/03/23 12:16	10/03/23 12:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	10/03/23 12:16	10/03/23 12:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.20	1.09	1	10/03/23 12:16	10/03/23 12:16	541-73-1	
1,4-Dichlorobenzene	**8.18**	ug/m3	1.20	0.335	1	10/03/23 12:16	10/03/23 12:16	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	10/03/23 12:16	10/03/23 12:16	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	10/03/23 12:16	10/03/23 12:16	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	10/03/23 12:16	10/03/23 12:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	10/03/23 12:16	10/03/23 12:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	10/03/23 12:16	10/03/23 12:16	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	10/03/23 12:16	10/03/23 12:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	10/03/23 12:16	10/03/23 12:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	10/03/23 12:16	10/03/23 12:16	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	10/03/23 12:16	10/03/23 12:16	123-91-1	
Ethanol	**165**	ug/m3	4.71	0.500	1	10/03/23 12:16	10/03/23 12:16	64-17-5	
Ethylbenzene	**14.4**	ug/m3	0.867	0.362	1	10/03/23 12:16	10/03/23 12:16	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	10/03/23 12:16	10/03/23 12:16	141-78-6	
4-Ethyltoluene	**29.6**	ug/m3	0.982	0.384	1	10/03/23 12:16	10/03/23 12:16	622-96-8	
Trichlorofluoromethane	**108**	ug/m3	1.12	0.460	1	10/03/23 12:16	10/03/23 12:16	75-69-4	
Dichlorodifluoromethane	**2.43**	ug/m3	0.989	0.678	1	10/03/23 12:16	10/03/23 12:16	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	10/03/23 12:16	10/03/23 12:16	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	10/03/23 12:16	10/03/23 12:16	76-14-2	
n-Heptane	**6.63**	ug/m3	0.818	0.425	1	10/03/23 12:16	10/03/23 12:16	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	10/03/23 12:16	10/03/23 12:16	87-68-3	
n-Hexane	**5.64**	ug/m3	2.22	0.726	1	10/03/23 12:16	10/03/23 12:16	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	10/03/23 12:16	10/03/23 12:16	98-82-8	
Methylene Chloride	ND	ug/m3	0.694	0.340	1	10/03/23 12:16	10/03/23 12:16	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	10/03/23 12:16	10/03/23 12:16	591-78-6	
2-Butanone (MEK)	**133**	ug/m3	3.69	0.240	1	10/03/23 12:16	10/03/23 12:16	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-1 **Lab ID: 92690806001** Collected: 09/28/23 14:58 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	10/03/23 12:16	10/03/23 12:16	108-10-1	
Methyl methacrylate	**32.9**	ug/m3	0.819	0.359	1	10/03/23 12:16	10/03/23 12:16	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	10/03/23 12:16	10/03/23 12:16	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	10/03/23 12:16	10/03/23 12:16	91-20-3	
2-Propanol	**81.1**	ug/m3	3.07	0.649	1	10/03/23 12:16	10/03/23 12:16	67-63-0	
Propylene	ND	ug/m3	2.15	0.160	1	10/03/23 12:16	10/03/23 12:16	115-07-1	
Styrene	**4010**	ug/m3	85.1	0.335	100	10/07/23 22:05	10/07/23 22:05	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	10/03/23 12:16	10/03/23 12:16	79-34-5	
Tetrachloroethene	**15.5**	ug/m3	1.36	0.553	1	10/03/23 12:16	10/03/23 12:16	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	10/03/23 12:16	10/03/23 12:16	109-99-9	
Toluene	**14.8**	ug/m3	1.88	0.328	1	10/03/23 12:16	10/03/23 12:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	10/03/23 12:16	10/03/23 12:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	10/03/23 12:16	10/03/23 12:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	10/03/23 12:16	10/03/23 12:16	79-00-5	
Trichloroethene	**24.0**	ug/m3	1.07	0.364	1	10/03/23 12:16	10/03/23 12:16	79-01-6	
1,2,4-Trimethylbenzene	**33.7**	ug/m3	0.982	0.375	1	10/03/23 12:16	10/03/23 12:16	95-63-6	
1,3,5-Trimethylbenzene	**10.3**	ug/m3	0.982	0.382	1	10/03/23 12:16	10/03/23 12:16	108-67-8	
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	10/03/23 12:16	10/03/23 12:16	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	10/03/23 12:16	10/03/23 12:16	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	10/03/23 12:16	10/03/23 12:16	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	10/03/23 12:16	10/03/23 12:16	108-05-4	
m&p-Xylene	**56.8**	ug/m3	1.73	0.585	1	10/03/23 12:16	10/03/23 12:16	179601-23-1	
o-Xylene	**16.6**	ug/m3	0.867	0.359	1	10/03/23 12:16	10/03/23 12:16	95-47-6	
Xylene (Total)	**73.4**	ug/m3	2.61	0.586	1	10/03/23 12:16	10/03/23 12:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91.4	%	60.0-140		1	10/03/23 12:16	10/03/23 12:16	460-00-4	
4-Bromofluorobenzene (S)	93.2	%	60.0-140		20	10/06/23 12:34	10/06/23 12:34	460-00-4	
4-Bromofluorobenzene (S)	97.8	%	60.0-140		100	10/07/23 22:05	10/07/23 22:05	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-2 **Lab ID: 92690806002** Collected: 09/28/23 15:02 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acetone	**304**	ug/m3	29.7	1.39	10	10/06/23 19:00	10/06/23 19:00	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	10/03/23 12:56	10/03/23 12:56	107-05-1	
Benzene	**1.77**	ug/m3	0.639	0.228	1	10/03/23 12:56	10/03/23 12:56	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	10/03/23 12:56	10/03/23 12:56	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	10/03/23 12:56	10/03/23 12:56	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	10/03/23 12:56	10/03/23 12:56	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	10/03/23 12:56	10/03/23 12:56	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	10/03/23 12:56	10/03/23 12:56	106-99-0	
Carbon disulfide	**10.9**	ug/m3	0.622	0.317	1	10/03/23 12:56	10/03/23 12:56	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	10/03/23 12:56	10/03/23 12:56	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	10/03/23 12:56	10/03/23 12:56	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	10/03/23 12:56	10/03/23 12:56	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	10/03/23 12:56	10/03/23 12:56	67-66-3	
Chloromethane	ND	ug/m3	0.413	0.213	1	10/03/23 12:56	10/03/23 12:56	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	10/03/23 12:56	10/03/23 12:56	95-49-8	
Cyclohexane	ND	ug/m3	0.689	0.259	1	10/03/23 12:56	10/03/23 12:56	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	10/03/23 12:56	10/03/23 12:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	10/03/23 12:56	10/03/23 12:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	10/03/23 12:56	10/03/23 12:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.20	1.09	1	10/03/23 12:56	10/03/23 12:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	10/03/23 12:56	10/03/23 12:56	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	10/03/23 12:56	10/03/23 12:56	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	10/03/23 12:56	10/03/23 12:56	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	10/03/23 12:56	10/03/23 12:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	10/03/23 12:56	10/03/23 12:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	10/03/23 12:56	10/03/23 12:56	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	10/03/23 12:56	10/03/23 12:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	10/03/23 12:56	10/03/23 12:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	10/03/23 12:56	10/03/23 12:56	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	10/03/23 12:56	10/03/23 12:56	123-91-1	
Ethanol	**426**	ug/m3	47.1	0.500	10	10/06/23 19:00	10/06/23 19:00	64-17-5	
Ethylbenzene	**3.20**	ug/m3	0.867	0.362	1	10/03/23 12:56	10/03/23 12:56	100-41-4	
Ethyl acetate	**2.19**	ug/m3	0.720	0.360	1	10/03/23 12:56	10/03/23 12:56	141-78-6	
4-Ethyltoluene	**2.35**	ug/m3	0.982	0.384	1	10/03/23 12:56	10/03/23 12:56	622-96-8	
Trichlorofluoromethane	**38.9**	ug/m3	1.12	0.460	1	10/03/23 12:56	10/03/23 12:56	75-69-4	
Dichlorodifluoromethane	**2.35**	ug/m3	0.989	0.678	1	10/03/23 12:56	10/03/23 12:56	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	10/03/23 12:56	10/03/23 12:56	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	10/03/23 12:56	10/03/23 12:56	76-14-2	
n-Heptane	**1.57**	ug/m3	0.818	0.425	1	10/03/23 12:56	10/03/23 12:56	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	10/03/23 12:56	10/03/23 12:56	87-68-3	
n-Hexane	**3.42**	ug/m3	2.22	0.726	1	10/03/23 12:56	10/03/23 12:56	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	10/03/23 12:56	10/03/23 12:56	98-82-8	
Methylene Chloride	ND	ug/m3	0.694	0.340	1	10/03/23 12:56	10/03/23 12:56	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	10/03/23 12:56	10/03/23 12:56	591-78-6	
2-Butanone (MEK)	**51.0**	ug/m3	3.69	0.240	1	10/03/23 12:56	10/03/23 12:56	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-2 **Lab ID: 92690806002** Collected: 09/28/23 15:02 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	10/03/23 12:56	10/03/23 12:56	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	10/03/23 12:56	10/03/23 12:56	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	10/03/23 12:56	10/03/23 12:56	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	10/03/23 12:56	10/03/23 12:56	91-20-3	
2-Propanol	**30.7**	ug/m3	3.07	0.649	1	10/03/23 12:56	10/03/23 12:56	67-63-0	
Propylene	ND	ug/m3	2.15	0.160	1	10/03/23 12:56	10/03/23 12:56	115-07-1	
Styrene	**270**	ug/m3	0.851	0.335	1	10/03/23 12:56	10/03/23 12:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	10/03/23 12:56	10/03/23 12:56	79-34-5	
Tetrachloroethene	**8.01**	ug/m3	1.36	0.553	1	10/03/23 12:56	10/03/23 12:56	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	10/03/23 12:56	10/03/23 12:56	109-99-9	
Toluene	**9.98**	ug/m3	1.88	0.328	1	10/03/23 12:56	10/03/23 12:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	10/03/23 12:56	10/03/23 12:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	10/03/23 12:56	10/03/23 12:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	10/03/23 12:56	10/03/23 12:56	79-00-5	
Trichloroethene	**9.43**	ug/m3	1.07	0.364	1	10/03/23 12:56	10/03/23 12:56	79-01-6	
1,2,4-Trimethylbenzene	**2.40**	ug/m3	0.982	0.375	1	10/03/23 12:56	10/03/23 12:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	0.982	0.382	1	10/03/23 12:56	10/03/23 12:56	108-67-8	
2,2,4-Trimethylpentane	**1.28**	ug/m3	0.934	0.621	1	10/03/23 12:56	10/03/23 12:56	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	10/03/23 12:56	10/03/23 12:56	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	10/03/23 12:56	10/03/23 12:56	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	10/03/23 12:56	10/03/23 12:56	108-05-4	
m&p-Xylene	**12.2**	ug/m3	1.73	0.585	1	10/03/23 12:56	10/03/23 12:56	179601-23-1	
o-Xylene	**4.51**	ug/m3	0.867	0.359	1	10/03/23 12:56	10/03/23 12:56	95-47-6	
Xylene (Total)	**16.7**	ug/m3	2.61	0.586	1	10/03/23 12:56	10/03/23 12:56	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95.2	%	60.0-140		1	10/03/23 12:56	10/03/23 12:56	460-00-4	
4-Bromofluorobenzene (S)	99.9	%	60.0-140		10	10/06/23 19:00	10/06/23 19:00	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-3 **Lab ID: 92690806003** Collected: 09/28/23 15:02 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acetone	**691**	ug/m3	59.4	1.39	20	10/06/23 13:11	10/06/23 13:11	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	10/03/23 13:36	10/03/23 13:36	107-05-1	
Benzene	**2.43**	ug/m3	0.639	0.228	1	10/03/23 13:36	10/03/23 13:36	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	10/03/23 13:36	10/03/23 13:36	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	10/03/23 13:36	10/03/23 13:36	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	10/03/23 13:36	10/03/23 13:36	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	10/03/23 13:36	10/03/23 13:36	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	10/03/23 13:36	10/03/23 13:36	106-99-0	
Carbon disulfide	**9.52**	ug/m3	0.622	0.317	1	10/03/23 13:36	10/03/23 13:36	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	10/03/23 13:36	10/03/23 13:36	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	10/03/23 13:36	10/03/23 13:36	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	10/03/23 13:36	10/03/23 13:36	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	10/03/23 13:36	10/03/23 13:36	67-66-3	
Chloromethane	ND	ug/m3	0.413	0.213	1	10/03/23 13:36	10/03/23 13:36	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	10/03/23 13:36	10/03/23 13:36	95-49-8	
Cyclohexane	ND	ug/m3	0.689	0.259	1	10/03/23 13:36	10/03/23 13:36	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	10/03/23 13:36	10/03/23 13:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	10/03/23 13:36	10/03/23 13:36	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	10/03/23 13:36	10/03/23 13:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.20	1.09	1	10/03/23 13:36	10/03/23 13:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	10/03/23 13:36	10/03/23 13:36	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	10/03/23 13:36	10/03/23 13:36	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	10/03/23 13:36	10/03/23 13:36	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	10/03/23 13:36	10/03/23 13:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	10/03/23 13:36	10/03/23 13:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	10/03/23 13:36	10/03/23 13:36	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	10/03/23 13:36	10/03/23 13:36	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	10/03/23 13:36	10/03/23 13:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	10/03/23 13:36	10/03/23 13:36	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	10/03/23 13:36	10/03/23 13:36	123-91-1	
Ethanol	**172**	ug/m3	4.71	0.500	1	10/03/23 13:36	10/03/23 13:36	64-17-5	
Ethylbenzene	**4.64**	ug/m3	0.867	0.362	1	10/03/23 13:36	10/03/23 13:36	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	10/03/23 13:36	10/03/23 13:36	141-78-6	
4-Ethyltoluene	**3.00**	ug/m3	0.982	0.384	1	10/03/23 13:36	10/03/23 13:36	622-96-8	
Trichlorofluoromethane	**78.7**	ug/m3	1.12	0.460	1	10/03/23 13:36	10/03/23 13:36	75-69-4	
Dichlorodifluoromethane	**2.54**	ug/m3	0.989	0.678	1	10/03/23 13:36	10/03/23 13:36	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	10/03/23 13:36	10/03/23 13:36	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	10/03/23 13:36	10/03/23 13:36	76-14-2	
n-Heptane	**1.80**	ug/m3	0.818	0.425	1	10/03/23 13:36	10/03/23 13:36	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	10/03/23 13:36	10/03/23 13:36	87-68-3	
n-Hexane	**3.27**	ug/m3	2.22	0.726	1	10/03/23 13:36	10/03/23 13:36	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	10/03/23 13:36	10/03/23 13:36	98-82-8	
Methylene Chloride	**0.951**	ug/m3	0.694	0.340	1	10/03/23 13:36	10/03/23 13:36	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	10/03/23 13:36	10/03/23 13:36	591-78-6	
2-Butanone (MEK)	**8.02**	ug/m3	3.69	0.240	1	10/03/23 13:36	10/03/23 13:36	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-3 **Lab ID: 92690806003** Collected: 09/28/23 15:02 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	10/03/23 13:36	10/03/23 13:36	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	10/03/23 13:36	10/03/23 13:36	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	10/03/23 13:36	10/03/23 13:36	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	10/03/23 13:36	10/03/23 13:36	91-20-3	
2-Propanol	**29.3**	ug/m3	3.07	0.649	1	10/03/23 13:36	10/03/23 13:36	67-63-0	
Propylene	ND	ug/m3	2.15	0.160	1	10/03/23 13:36	10/03/23 13:36	115-07-1	
Styrene	**232**	ug/m3	0.851	0.335	1	10/03/23 13:36	10/03/23 13:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	10/03/23 13:36	10/03/23 13:36	79-34-5	
Tetrachloroethene	**3.24**	ug/m3	1.36	0.553	1	10/03/23 13:36	10/03/23 13:36	127-18-4	
Tetrahydrofuran	**4.13**	ug/m3	0.590	0.216	1	10/03/23 13:36	10/03/23 13:36	109-99-9	
Toluene	**10.4**	ug/m3	1.88	0.328	1	10/03/23 13:36	10/03/23 13:36	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	10/03/23 13:36	10/03/23 13:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	10/03/23 13:36	10/03/23 13:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	10/03/23 13:36	10/03/23 13:36	79-00-5	
Trichloroethene	**1.69**	ug/m3	1.07	0.364	1	10/03/23 13:36	10/03/23 13:36	79-01-6	
1,2,4-Trimethylbenzene	**3.25**	ug/m3	0.982	0.375	1	10/03/23 13:36	10/03/23 13:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	0.982	0.382	1	10/03/23 13:36	10/03/23 13:36	108-67-8	
2,2,4-Trimethylpentane	**1.59**	ug/m3	0.934	0.621	1	10/03/23 13:36	10/03/23 13:36	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	10/03/23 13:36	10/03/23 13:36	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	10/03/23 13:36	10/03/23 13:36	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	10/03/23 13:36	10/03/23 13:36	108-05-4	
m&p-Xylene	**19.3**	ug/m3	1.73	0.585	1	10/03/23 13:36	10/03/23 13:36	179601-23-1	
o-Xylene	**6.55**	ug/m3	0.867	0.359	1	10/03/23 13:36	10/03/23 13:36	95-47-6	
Xylene (Total)	**25.9**	ug/m3	2.61	0.586	1	10/03/23 13:36	10/03/23 13:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95.7	%	60.0-140		1	10/03/23 13:36	10/03/23 13:36	460-00-4	
4-Bromofluorobenzene (S)	100	%	60.0-140		20	10/06/23 13:11	10/06/23 13:11	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-4 **Lab ID: 92690806004** Collected: 09/28/23 15:01 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acetone	**31400**	ug/m3	594	1.39	200	10/07/23 23:37	10/07/23 23:37	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	10/03/23 14:14	10/03/23 14:14	107-05-1	
Benzene	**2.41**	ug/m3	0.639	0.228	1	10/03/23 14:14	10/03/23 14:14	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	10/03/23 14:14	10/03/23 14:14	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	10/03/23 14:14	10/03/23 14:14	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	10/03/23 14:14	10/03/23 14:14	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	10/03/23 14:14	10/03/23 14:14	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	10/03/23 14:14	10/03/23 14:14	106-99-0	
Carbon disulfide	**1.79**	ug/m3	0.622	0.317	1	10/03/23 14:14	10/03/23 14:14	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	10/03/23 14:14	10/03/23 14:14	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	10/03/23 14:14	10/03/23 14:14	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	10/03/23 14:14	10/03/23 14:14	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	10/03/23 14:14	10/03/23 14:14	67-66-3	
Chloromethane	ND	ug/m3	0.413	0.213	1	10/03/23 14:14	10/03/23 14:14	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	10/03/23 14:14	10/03/23 14:14	95-49-8	
Cyclohexane	**1.27**	ug/m3	0.689	0.259	1	10/03/23 14:14	10/03/23 14:14	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	10/03/23 14:14	10/03/23 14:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	10/03/23 14:14	10/03/23 14:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	10/03/23 14:14	10/03/23 14:14	95-50-1	
1,3-Dichlorobenzene	**1.40**	ug/m3	1.20	1.09	1	10/03/23 14:14	10/03/23 14:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	10/03/23 14:14	10/03/23 14:14	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	10/03/23 14:14	10/03/23 14:14	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	10/03/23 14:14	10/03/23 14:14	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	10/03/23 14:14	10/03/23 14:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	10/03/23 14:14	10/03/23 14:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	10/03/23 14:14	10/03/23 14:14	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	10/03/23 14:14	10/03/23 14:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	10/03/23 14:14	10/03/23 14:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	10/03/23 14:14	10/03/23 14:14	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	10/03/23 14:14	10/03/23 14:14	123-91-1	
Ethanol	**683**	ug/m3	94.3	0.500	20	10/06/23 20:15	10/06/23 20:15	64-17-5	
Ethylbenzene	**4.21**	ug/m3	0.867	0.362	1	10/03/23 14:14	10/03/23 14:14	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	10/03/23 14:14	10/03/23 14:14	141-78-6	
4-Ethyltoluene	**2.83**	ug/m3	0.982	0.384	1	10/03/23 14:14	10/03/23 14:14	622-96-8	
Trichlorofluoromethane	**60.1**	ug/m3	1.12	0.460	1	10/03/23 14:14	10/03/23 14:14	75-69-4	
Dichlorodifluoromethane	**2.62**	ug/m3	0.989	0.678	1	10/03/23 14:14	10/03/23 14:14	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	10/03/23 14:14	10/03/23 14:14	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	10/03/23 14:14	10/03/23 14:14	76-14-2	
n-Heptane	ND	ug/m3	0.818	0.425	1	10/03/23 14:14	10/03/23 14:14	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	10/03/23 14:14	10/03/23 14:14	87-68-3	
n-Hexane	**6.77**	ug/m3	2.22	0.726	1	10/03/23 14:14	10/03/23 14:14	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	10/03/23 14:14	10/03/23 14:14	98-82-8	
Methylene Chloride	ND	ug/m3	0.694	0.340	1	10/03/23 14:14	10/03/23 14:14	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	10/03/23 14:14	10/03/23 14:14	591-78-6	
2-Butanone (MEK)	**56.9**	ug/m3	3.69	0.240	1	10/03/23 14:14	10/03/23 14:14	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-4 **Lab ID: 92690806004** Collected: 09/28/23 15:01 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	10/03/23 14:14	10/03/23 14:14	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	10/03/23 14:14	10/03/23 14:14	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	10/03/23 14:14	10/03/23 14:14	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	10/03/23 14:14	10/03/23 14:14	91-20-3	
2-Propanol	**186**	ug/m3	3.07	0.649	1	10/03/23 14:14	10/03/23 14:14	67-63-0	
Propylene	ND	ug/m3	2.15	0.160	1	10/03/23 14:14	10/03/23 14:14	115-07-1	
Styrene	**234**	ug/m3	17.0	0.335	20	10/06/23 20:15	10/06/23 20:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	10/03/23 14:14	10/03/23 14:14	79-34-5	
Tetrachloroethene	**23.3**	ug/m3	1.36	0.553	1	10/03/23 14:14	10/03/23 14:14	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	10/03/23 14:14	10/03/23 14:14	109-99-9	
Toluene	**13.7**	ug/m3	1.88	0.328	1	10/03/23 14:14	10/03/23 14:14	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	10/03/23 14:14	10/03/23 14:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	10/03/23 14:14	10/03/23 14:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	10/03/23 14:14	10/03/23 14:14	79-00-5	
Trichloroethene	ND	ug/m3	1.07	0.364	1	10/03/23 14:14	10/03/23 14:14	79-01-6	
1,2,4-Trimethylbenzene	**3.01**	ug/m3	0.982	0.375	1	10/03/23 14:14	10/03/23 14:14	95-63-6	
1,3,5-Trimethylbenzene	**0.982**	ug/m3	0.982	0.382	1	10/03/23 14:14	10/03/23 14:14	108-67-8	
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	10/03/23 14:14	10/03/23 14:14	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	10/03/23 14:14	10/03/23 14:14	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	10/03/23 14:14	10/03/23 14:14	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	10/03/23 14:14	10/03/23 14:14	108-05-4	
m&p-Xylene	**16.4**	ug/m3	1.73	0.585	1	10/03/23 14:14	10/03/23 14:14	179601-23-1	
o-Xylene	**5.64**	ug/m3	0.867	0.359	1	10/03/23 14:14	10/03/23 14:14	95-47-6	
Xylene (Total)	**22.1**	ug/m3	2.61	0.586	1	10/03/23 14:14	10/03/23 14:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96.1	%	60.0-140		1	10/03/23 14:14	10/03/23 14:14	460-00-4	
4-Bromofluorobenzene (S)	99.9	%	60.0-140		20	10/06/23 20:15	10/06/23 20:15	460-00-4	
4-Bromofluorobenzene (S)	93.9	%	60.0-140		200	10/07/23 23:37	10/07/23 23:37	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-5 **Lab ID: 92690806005** Collected: 09/28/23 15:17 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acetone	**2090**	ug/m3	59.4	1.39	20	10/06/23 19:25	10/06/23 19:25	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	10/03/23 14:52	10/03/23 14:52	107-05-1	
Benzene	**1.81**	ug/m3	0.639	0.228	1	10/03/23 14:52	10/03/23 14:52	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	10/03/23 14:52	10/03/23 14:52	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	10/03/23 14:52	10/03/23 14:52	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	10/03/23 14:52	10/03/23 14:52	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	10/03/23 14:52	10/03/23 14:52	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	10/03/23 14:52	10/03/23 14:52	106-99-0	
Carbon disulfide	**3.67**	ug/m3	0.622	0.317	1	10/03/23 14:52	10/03/23 14:52	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	10/03/23 14:52	10/03/23 14:52	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	10/03/23 14:52	10/03/23 14:52	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	10/03/23 14:52	10/03/23 14:52	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	10/03/23 14:52	10/03/23 14:52	67-66-3	
Chloromethane	ND	ug/m3	0.413	0.213	1	10/03/23 14:52	10/03/23 14:52	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	10/03/23 14:52	10/03/23 14:52	95-49-8	
Cyclohexane	ND	ug/m3	0.689	0.259	1	10/03/23 14:52	10/03/23 14:52	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	10/03/23 14:52	10/03/23 14:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	10/03/23 14:52	10/03/23 14:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	10/03/23 14:52	10/03/23 14:52	95-50-1	
1,3-Dichlorobenzene	**1.32**	ug/m3	1.20	1.09	1	10/03/23 14:52	10/03/23 14:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	10/03/23 14:52	10/03/23 14:52	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	10/03/23 14:52	10/03/23 14:52	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	10/03/23 14:52	10/03/23 14:52	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	10/03/23 14:52	10/03/23 14:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	10/03/23 14:52	10/03/23 14:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	10/03/23 14:52	10/03/23 14:52	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	10/03/23 14:52	10/03/23 14:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	10/03/23 14:52	10/03/23 14:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	10/03/23 14:52	10/03/23 14:52	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	10/03/23 14:52	10/03/23 14:52	123-91-1	
Ethanol	**507**	ug/m3	94.3	0.500	20	10/06/23 19:25	10/06/23 19:25	64-17-5	
Ethylbenzene	**3.91**	ug/m3	0.867	0.362	1	10/03/23 14:52	10/03/23 14:52	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	10/03/23 14:52	10/03/23 14:52	141-78-6	
4-Ethyltoluene	**3.02**	ug/m3	0.982	0.384	1	10/03/23 14:52	10/03/23 14:52	622-96-8	
Trichlorofluoromethane	**33.0**	ug/m3	1.12	0.460	1	10/03/23 14:52	10/03/23 14:52	75-69-4	
Dichlorodifluoromethane	**2.30**	ug/m3	0.989	0.678	1	10/03/23 14:52	10/03/23 14:52	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	10/03/23 14:52	10/03/23 14:52	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	10/03/23 14:52	10/03/23 14:52	76-14-2	
n-Heptane	**1.37**	ug/m3	0.818	0.425	1	10/03/23 14:52	10/03/23 14:52	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	10/03/23 14:52	10/03/23 14:52	87-68-3	
n-Hexane	**3.56**	ug/m3	2.22	0.726	1	10/03/23 14:52	10/03/23 14:52	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	10/03/23 14:52	10/03/23 14:52	98-82-8	
Methylene Chloride	**2.19**	ug/m3	0.694	0.340	1	10/03/23 14:52	10/03/23 14:52	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	10/03/23 14:52	10/03/23 14:52	591-78-6	
2-Butanone (MEK)	**26.4**	ug/m3	3.69	0.240	1	10/03/23 14:52	10/03/23 14:52	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-5 **Lab ID: 92690806005** Collected: 09/28/23 15:17 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	10/03/23 14:52	10/03/23 14:52	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	10/03/23 14:52	10/03/23 14:52	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	10/03/23 14:52	10/03/23 14:52	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	10/03/23 14:52	10/03/23 14:52	91-20-3	
2-Propanol	**58.7**	ug/m3	3.07	0.649	1	10/03/23 14:52	10/03/23 14:52	67-63-0	
Propylene	ND	ug/m3	2.15	0.160	1	10/03/23 14:52	10/03/23 14:52	115-07-1	
Styrene	**338**	ug/m3	0.851	0.335	1	10/03/23 14:52	10/03/23 14:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	10/03/23 14:52	10/03/23 14:52	79-34-5	
Tetrachloroethene	**12.2**	ug/m3	1.36	0.553	1	10/03/23 14:52	10/03/23 14:52	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	10/03/23 14:52	10/03/23 14:52	109-99-9	
Toluene	**8.36**	ug/m3	1.88	0.328	1	10/03/23 14:52	10/03/23 14:52	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	10/03/23 14:52	10/03/23 14:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	10/03/23 14:52	10/03/23 14:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	10/03/23 14:52	10/03/23 14:52	79-00-5	
Trichloroethene	**8.25**	ug/m3	1.07	0.364	1	10/03/23 14:52	10/03/23 14:52	79-01-6	
1,2,4-Trimethylbenzene	**3.09**	ug/m3	0.982	0.375	1	10/03/23 14:52	10/03/23 14:52	95-63-6	
1,3,5-Trimethylbenzene	**1.07**	ug/m3	0.982	0.382	1	10/03/23 14:52	10/03/23 14:52	108-67-8	
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	10/03/23 14:52	10/03/23 14:52	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	10/03/23 14:52	10/03/23 14:52	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	10/03/23 14:52	10/03/23 14:52	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	10/03/23 14:52	10/03/23 14:52	108-05-4	
m&p-Xylene	**16.7**	ug/m3	1.73	0.585	1	10/03/23 14:52	10/03/23 14:52	179601-23-1	
o-Xylene	**6.16**	ug/m3	0.867	0.359	1	10/03/23 14:52	10/03/23 14:52	95-47-6	
Xylene (Total)	**22.9**	ug/m3	2.61	0.586	1	10/03/23 14:52	10/03/23 14:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94.8	%	60.0-140		1	10/03/23 14:52	10/03/23 14:52	460-00-4	
4-Bromofluorobenzene (S)	101	%	60.0-140		20	10/06/23 19:25	10/06/23 19:25	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-6 **Lab ID: 92690806006** Collected: 09/28/23 15:18 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acetone	**1480**	ug/m3	59.4	1.39	20	10/06/23 20:40	10/06/23 20:40	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	10/03/23 15:32	10/03/23 15:32	107-05-1	
Benzene	**1.46**	ug/m3	0.639	0.228	1	10/03/23 15:32	10/03/23 15:32	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	10/03/23 15:32	10/03/23 15:32	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	10/03/23 15:32	10/03/23 15:32	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	10/03/23 15:32	10/03/23 15:32	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	10/03/23 15:32	10/03/23 15:32	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	10/03/23 15:32	10/03/23 15:32	106-99-0	
Carbon disulfide	**1.57**	ug/m3	0.622	0.317	1	10/03/23 15:32	10/03/23 15:32	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	10/03/23 15:32	10/03/23 15:32	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	10/03/23 15:32	10/03/23 15:32	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	10/03/23 15:32	10/03/23 15:32	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	10/03/23 15:32	10/03/23 15:32	67-66-3	
Chloromethane	ND	ug/m3	0.413	0.213	1	10/03/23 15:32	10/03/23 15:32	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	10/03/23 15:32	10/03/23 15:32	95-49-8	
Cyclohexane	ND	ug/m3	0.689	0.259	1	10/03/23 15:32	10/03/23 15:32	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	10/03/23 15:32	10/03/23 15:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	10/03/23 15:32	10/03/23 15:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	10/03/23 15:32	10/03/23 15:32	95-50-1	
1,3-Dichlorobenzene	**1.61**	ug/m3	1.20	1.09	1	10/03/23 15:32	10/03/23 15:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	10/03/23 15:32	10/03/23 15:32	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	10/03/23 15:32	10/03/23 15:32	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	10/03/23 15:32	10/03/23 15:32	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	10/03/23 15:32	10/03/23 15:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	10/03/23 15:32	10/03/23 15:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	10/03/23 15:32	10/03/23 15:32	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	10/03/23 15:32	10/03/23 15:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	10/03/23 15:32	10/03/23 15:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	10/03/23 15:32	10/03/23 15:32	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	10/03/23 15:32	10/03/23 15:32	123-91-1	
Ethanol	**517**	ug/m3	94.3	0.500	20	10/06/23 20:40	10/06/23 20:40	64-17-5	
Ethylbenzene	**3.25**	ug/m3	0.867	0.362	1	10/03/23 15:32	10/03/23 15:32	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	10/03/23 15:32	10/03/23 15:32	141-78-6	
4-Ethyltoluene	**2.33**	ug/m3	0.982	0.384	1	10/03/23 15:32	10/03/23 15:32	622-96-8	
Trichlorofluoromethane	**24.3**	ug/m3	1.12	0.460	1	10/03/23 15:32	10/03/23 15:32	75-69-4	
Dichlorodifluoromethane	**2.49**	ug/m3	0.989	0.678	1	10/03/23 15:32	10/03/23 15:32	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	10/03/23 15:32	10/03/23 15:32	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	10/03/23 15:32	10/03/23 15:32	76-14-2	
n-Heptane	ND	ug/m3	0.818	0.425	1	10/03/23 15:32	10/03/23 15:32	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	10/03/23 15:32	10/03/23 15:32	87-68-3	
n-Hexane	**2.59**	ug/m3	2.22	0.726	1	10/03/23 15:32	10/03/23 15:32	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	10/03/23 15:32	10/03/23 15:32	98-82-8	
Methylene Chloride	**1.25**	ug/m3	0.694	0.340	1	10/03/23 15:32	10/03/23 15:32	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	10/03/23 15:32	10/03/23 15:32	591-78-6	
2-Butanone (MEK)	**22.2**	ug/m3	3.69	0.240	1	10/03/23 15:32	10/03/23 15:32	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-6 **Lab ID: 92690806006** Collected: 09/28/23 15:18 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	10/03/23 15:32	10/03/23 15:32	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	10/03/23 15:32	10/03/23 15:32	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	10/03/23 15:32	10/03/23 15:32	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	10/03/23 15:32	10/03/23 15:32	91-20-3	
2-Propanol	**48.4**	ug/m3	3.07	0.649	1	10/03/23 15:32	10/03/23 15:32	67-63-0	
Propylene	ND	ug/m3	2.15	0.160	1	10/03/23 15:32	10/03/23 15:32	115-07-1	
Styrene	**206**	ug/m3	17.0	0.335	20	10/06/23 20:40	10/06/23 20:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	10/03/23 15:32	10/03/23 15:32	79-34-5	
Tetrachloroethene	**17.0**	ug/m3	1.36	0.553	1	10/03/23 15:32	10/03/23 15:32	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	10/03/23 15:32	10/03/23 15:32	109-99-9	
Toluene	**8.44**	ug/m3	1.88	0.328	1	10/03/23 15:32	10/03/23 15:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	10/03/23 15:32	10/03/23 15:32	120-82-1	
1,1,1-Trichloroethane	**1.65**	ug/m3	1.09	0.400	1	10/03/23 15:32	10/03/23 15:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	10/03/23 15:32	10/03/23 15:32	79-00-5	
Trichloroethene	ND	ug/m3	1.07	0.364	1	10/03/23 15:32	10/03/23 15:32	79-01-6	
1,2,4-Trimethylbenzene	**2.51**	ug/m3	0.982	0.375	1	10/03/23 15:32	10/03/23 15:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	0.982	0.382	1	10/03/23 15:32	10/03/23 15:32	108-67-8	
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	10/03/23 15:32	10/03/23 15:32	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	10/03/23 15:32	10/03/23 15:32	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	10/03/23 15:32	10/03/23 15:32	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	10/03/23 15:32	10/03/23 15:32	108-05-4	
m&p-Xylene	**12.6**	ug/m3	1.73	0.585	1	10/03/23 15:32	10/03/23 15:32	179601-23-1	
o-Xylene	**4.55**	ug/m3	0.867	0.359	1	10/03/23 15:32	10/03/23 15:32	95-47-6	
Xylene (Total)	**17.2**	ug/m3	2.61	0.586	1	10/03/23 15:32	10/03/23 15:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95.5	%	60.0-140		1	10/03/23 15:32	10/03/23 15:32	460-00-4	
4-Bromofluorobenzene (S)	99.7	%	60.0-140		20	10/06/23 20:40	10/06/23 20:40	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-7 **Lab ID: 92690806007** Collected: 09/28/23 15:17 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acetone	**613**	ug/m3	29.7	1.39	10	10/06/23 17:18	10/06/23 17:18	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	10/03/23 16:12	10/03/23 16:12	107-05-1	
Benzene	**2.96**	ug/m3	0.639	0.228	1	10/03/23 16:12	10/03/23 16:12	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	10/03/23 16:12	10/03/23 16:12	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	10/03/23 16:12	10/03/23 16:12	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	10/03/23 16:12	10/03/23 16:12	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	10/03/23 16:12	10/03/23 16:12	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	10/03/23 16:12	10/03/23 16:12	106-99-0	
Carbon disulfide	**7.63**	ug/m3	0.622	0.317	1	10/03/23 16:12	10/03/23 16:12	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	10/03/23 16:12	10/03/23 16:12	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	10/03/23 16:12	10/03/23 16:12	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	10/03/23 16:12	10/03/23 16:12	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	10/03/23 16:12	10/03/23 16:12	67-66-3	
Chloromethane	**0.770**	ug/m3	0.413	0.213	1	10/03/23 16:12	10/03/23 16:12	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	10/03/23 16:12	10/03/23 16:12	95-49-8	
Cyclohexane	ND	ug/m3	0.689	0.259	1	10/03/23 16:12	10/03/23 16:12	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	10/03/23 16:12	10/03/23 16:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	10/03/23 16:12	10/03/23 16:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	10/03/23 16:12	10/03/23 16:12	95-50-1	
1,3-Dichlorobenzene	**1.71**	ug/m3	1.20	1.09	1	10/03/23 16:12	10/03/23 16:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	10/03/23 16:12	10/03/23 16:12	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	10/03/23 16:12	10/03/23 16:12	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	10/03/23 16:12	10/03/23 16:12	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	10/03/23 16:12	10/03/23 16:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	10/03/23 16:12	10/03/23 16:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	10/03/23 16:12	10/03/23 16:12	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	10/03/23 16:12	10/03/23 16:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	10/03/23 16:12	10/03/23 16:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	10/03/23 16:12	10/03/23 16:12	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	10/03/23 16:12	10/03/23 16:12	123-91-1	
Ethanol	**172**	ug/m3	4.71	0.500	1	10/03/23 16:12	10/03/23 16:12	64-17-5	
Ethylbenzene	**5.16**	ug/m3	0.867	0.362	1	10/03/23 16:12	10/03/23 16:12	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	10/03/23 16:12	10/03/23 16:12	141-78-6	
4-Ethyltoluene	**3.51**	ug/m3	0.982	0.384	1	10/03/23 16:12	10/03/23 16:12	622-96-8	
Trichlorofluoromethane	**36.8**	ug/m3	1.12	0.460	1	10/03/23 16:12	10/03/23 16:12	75-69-4	
Dichlorodifluoromethane	**2.44**	ug/m3	0.989	0.678	1	10/03/23 16:12	10/03/23 16:12	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	10/03/23 16:12	10/03/23 16:12	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	10/03/23 16:12	10/03/23 16:12	76-14-2	
n-Heptane	ND	ug/m3	0.818	0.425	1	10/03/23 16:12	10/03/23 16:12	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	10/03/23 16:12	10/03/23 16:12	87-68-3	
n-Hexane	**6.59**	ug/m3	2.22	0.726	1	10/03/23 16:12	10/03/23 16:12	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	10/03/23 16:12	10/03/23 16:12	98-82-8	
Methylene Chloride	**2.57**	ug/m3	0.694	0.340	1	10/03/23 16:12	10/03/23 16:12	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	10/03/23 16:12	10/03/23 16:12	591-78-6	
2-Butanone (MEK)	**26.1**	ug/m3	3.69	0.240	1	10/03/23 16:12	10/03/23 16:12	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-7 **Lab ID: 92690806007** Collected: 09/28/23 15:17 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	10/03/23 16:12	10/03/23 16:12	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	10/03/23 16:12	10/03/23 16:12	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	10/03/23 16:12	10/03/23 16:12	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	10/03/23 16:12	10/03/23 16:12	91-20-3	
2-Propanol	**27.8**	ug/m3	3.07	0.649	1	10/03/23 16:12	10/03/23 16:12	67-63-0	
Propylene	**8.66**	ug/m3	2.15	0.160	1	10/03/23 16:12	10/03/23 16:12	115-07-1	
Styrene	**264**	ug/m3	0.851	0.335	1	10/03/23 16:12	10/03/23 16:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	10/03/23 16:12	10/03/23 16:12	79-34-5	
Tetrachloroethene	**6.28**	ug/m3	1.36	0.553	1	10/03/23 16:12	10/03/23 16:12	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	10/03/23 16:12	10/03/23 16:12	109-99-9	
Toluene	**9.87**	ug/m3	1.88	0.328	1	10/03/23 16:12	10/03/23 16:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	10/03/23 16:12	10/03/23 16:12	120-82-1	
1,1,1-Trichloroethane	**1.44**	ug/m3	1.09	0.400	1	10/03/23 16:12	10/03/23 16:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	10/03/23 16:12	10/03/23 16:12	79-00-5	
Trichloroethene	**2.72**	ug/m3	1.07	0.364	1	10/03/23 16:12	10/03/23 16:12	79-01-6	
1,2,4-Trimethylbenzene	**3.73**	ug/m3	0.982	0.375	1	10/03/23 16:12	10/03/23 16:12	95-63-6	
1,3,5-Trimethylbenzene	**1.35**	ug/m3	0.982	0.382	1	10/03/23 16:12	10/03/23 16:12	108-67-8	
2,2,4-Trimethylpentane	**1.57**	ug/m3	0.934	0.621	1	10/03/23 16:12	10/03/23 16:12	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	10/03/23 16:12	10/03/23 16:12	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	10/03/23 16:12	10/03/23 16:12	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	10/03/23 16:12	10/03/23 16:12	108-05-4	
m&p-Xylene	**22.8**	ug/m3	1.73	0.585	1	10/03/23 16:12	10/03/23 16:12	179601-23-1	
o-Xylene	**7.63**	ug/m3	0.867	0.359	1	10/03/23 16:12	10/03/23 16:12	95-47-6	
Xylene (Total)	**30.5**	ug/m3	2.61	0.586	1	10/03/23 16:12	10/03/23 16:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96.3	%	60.0-140		1	10/03/23 16:12	10/03/23 16:12	460-00-4	
4-Bromofluorobenzene (S)	100	%	60.0-140		10	10/06/23 17:18	10/06/23 17:18	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-8 **Lab ID: 92690806008** Collected: 09/28/23 15:18 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acetone	**504**	ug/m3	59.4	1.39	20	10/06/23 19:50	10/06/23 19:50	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	10/03/23 16:52	10/03/23 16:52	107-05-1	
Benzene	**2.04**	ug/m3	0.639	0.228	1	10/03/23 16:52	10/03/23 16:52	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	10/03/23 16:52	10/03/23 16:52	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	10/03/23 16:52	10/03/23 16:52	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	10/03/23 16:52	10/03/23 16:52	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	10/03/23 16:52	10/03/23 16:52	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	10/03/23 16:52	10/03/23 16:52	106-99-0	
Carbon disulfide	**4.64**	ug/m3	0.622	0.317	1	10/03/23 16:52	10/03/23 16:52	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	10/03/23 16:52	10/03/23 16:52	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	10/03/23 16:52	10/03/23 16:52	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	10/03/23 16:52	10/03/23 16:52	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	10/03/23 16:52	10/03/23 16:52	67-66-3	
Chloromethane	ND	ug/m3	0.413	0.213	1	10/03/23 16:52	10/03/23 16:52	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	10/03/23 16:52	10/03/23 16:52	95-49-8	
Cyclohexane	ND	ug/m3	0.689	0.259	1	10/03/23 16:52	10/03/23 16:52	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	10/03/23 16:52	10/03/23 16:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	10/03/23 16:52	10/03/23 16:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	10/03/23 16:52	10/03/23 16:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.20	1.09	1	10/03/23 16:52	10/03/23 16:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	10/03/23 16:52	10/03/23 16:52	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	10/03/23 16:52	10/03/23 16:52	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	10/03/23 16:52	10/03/23 16:52	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	10/03/23 16:52	10/03/23 16:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	10/03/23 16:52	10/03/23 16:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	10/03/23 16:52	10/03/23 16:52	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	10/03/23 16:52	10/03/23 16:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	10/03/23 16:52	10/03/23 16:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	10/03/23 16:52	10/03/23 16:52	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	10/03/23 16:52	10/03/23 16:52	123-91-1	
Ethanol	**1900**	ug/m3	94.3	0.500	20	10/06/23 19:50	10/06/23 19:50	64-17-5	
Ethylbenzene	**3.86**	ug/m3	0.867	0.362	1	10/03/23 16:52	10/03/23 16:52	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	10/03/23 16:52	10/03/23 16:52	141-78-6	
4-Ethyltoluene	**3.33**	ug/m3	0.982	0.384	1	10/03/23 16:52	10/03/23 16:52	622-96-8	
Trichlorofluoromethane	**318**	ug/m3	1.12	0.460	1	10/03/23 16:52	10/03/23 16:52	75-69-4	
Dichlorodifluoromethane	**2.58**	ug/m3	0.989	0.678	1	10/03/23 16:52	10/03/23 16:52	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	10/03/23 16:52	10/03/23 16:52	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	10/03/23 16:52	10/03/23 16:52	76-14-2	
n-Heptane	ND	ug/m3	0.818	0.425	1	10/03/23 16:52	10/03/23 16:52	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	10/03/23 16:52	10/03/23 16:52	87-68-3	
n-Hexane	**2.92**	ug/m3	2.22	0.726	1	10/03/23 16:52	10/03/23 16:52	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	10/03/23 16:52	10/03/23 16:52	98-82-8	
Methylene Chloride	ND	ug/m3	0.694	0.340	1	10/03/23 16:52	10/03/23 16:52	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	10/03/23 16:52	10/03/23 16:52	591-78-6	
2-Butanone (MEK)	**17.5**	ug/m3	3.69	0.240	1	10/03/23 16:52	10/03/23 16:52	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-8 **Lab ID: 92690806008** Collected: 09/28/23 15:18 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	10/03/23 16:52	10/03/23 16:52	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	10/03/23 16:52	10/03/23 16:52	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	10/03/23 16:52	10/03/23 16:52	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	10/03/23 16:52	10/03/23 16:52	91-20-3	
2-Propanol	**76.0**	ug/m3	3.07	0.649	1	10/03/23 16:52	10/03/23 16:52	67-63-0	
Propylene	**10.1**	ug/m3	2.15	0.160	1	10/03/23 16:52	10/03/23 16:52	115-07-1	
Styrene	**186**	ug/m3	0.851	0.335	1	10/03/23 16:52	10/03/23 16:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	10/03/23 16:52	10/03/23 16:52	79-34-5	
Tetrachloroethene	**26.5**	ug/m3	1.36	0.553	1	10/03/23 16:52	10/03/23 16:52	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	10/03/23 16:52	10/03/23 16:52	109-99-9	
Toluene	**10.3**	ug/m3	1.88	0.328	1	10/03/23 16:52	10/03/23 16:52	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	10/03/23 16:52	10/03/23 16:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	10/03/23 16:52	10/03/23 16:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	10/03/23 16:52	10/03/23 16:52	79-00-5	
Trichloroethene	**4.23**	ug/m3	1.07	0.364	1	10/03/23 16:52	10/03/23 16:52	79-01-6	
1,2,4-Trimethylbenzene	**3.99**	ug/m3	0.982	0.375	1	10/03/23 16:52	10/03/23 16:52	95-63-6	
1,3,5-Trimethylbenzene	**1.45**	ug/m3	0.982	0.382	1	10/03/23 16:52	10/03/23 16:52	108-67-8	
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	10/03/23 16:52	10/03/23 16:52	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	10/03/23 16:52	10/03/23 16:52	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	10/03/23 16:52	10/03/23 16:52	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	10/03/23 16:52	10/03/23 16:52	108-05-4	
m&p-Xylene	**15.6**	ug/m3	1.73	0.585	1	10/03/23 16:52	10/03/23 16:52	179601-23-1	
o-Xylene	**6.76**	ug/m3	0.867	0.359	1	10/03/23 16:52	10/03/23 16:52	95-47-6	
Xylene (Total)	**22.4**	ug/m3	2.61	0.586	1	10/03/23 16:52	10/03/23 16:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96.2	%	60.0-140		1	10/03/23 16:52	10/03/23 16:52	460-00-4	
4-Bromofluorobenzene (S)	98.8	%	60.0-140		20	10/06/23 19:50	10/06/23 19:50	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-9 **Lab ID: 92690806009** Collected: 09/28/23 15:29 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acetone	**73.4**	ug/m3	2.97	1.39	1	10/03/23 17:31	10/03/23 17:31	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	10/03/23 17:31	10/03/23 17:31	107-05-1	
Benzene	**3.99**	ug/m3	0.639	0.228	1	10/03/23 17:31	10/03/23 17:31	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	10/03/23 17:31	10/03/23 17:31	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	10/03/23 17:31	10/03/23 17:31	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	10/03/23 17:31	10/03/23 17:31	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	10/03/23 17:31	10/03/23 17:31	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	10/03/23 17:31	10/03/23 17:31	106-99-0	
Carbon disulfide	**9.80**	ug/m3	0.622	0.317	1	10/03/23 17:31	10/03/23 17:31	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	10/03/23 17:31	10/03/23 17:31	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	10/03/23 17:31	10/03/23 17:31	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	10/03/23 17:31	10/03/23 17:31	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	10/03/23 17:31	10/03/23 17:31	67-66-3	
Chloromethane	ND	ug/m3	0.413	0.213	1	10/03/23 17:31	10/03/23 17:31	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	10/03/23 17:31	10/03/23 17:31	95-49-8	
Cyclohexane	ND	ug/m3	0.689	0.259	1	10/03/23 17:31	10/03/23 17:31	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	10/03/23 17:31	10/03/23 17:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	10/03/23 17:31	10/03/23 17:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	10/03/23 17:31	10/03/23 17:31	95-50-1	
1,3-Dichlorobenzene	**2.71**	ug/m3	1.20	1.09	1	10/03/23 17:31	10/03/23 17:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	10/03/23 17:31	10/03/23 17:31	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	10/03/23 17:31	10/03/23 17:31	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	10/03/23 17:31	10/03/23 17:31	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	10/03/23 17:31	10/03/23 17:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	10/03/23 17:31	10/03/23 17:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	10/03/23 17:31	10/03/23 17:31	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	10/03/23 17:31	10/03/23 17:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	10/03/23 17:31	10/03/23 17:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	10/03/23 17:31	10/03/23 17:31	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	10/03/23 17:31	10/03/23 17:31	123-91-1	
Ethanol	**370**	ug/m3	47.1	0.500	10	10/07/23 14:59	10/07/23 14:59	64-17-5	
Ethylbenzene	**4.55**	ug/m3	0.867	0.362	1	10/03/23 17:31	10/03/23 17:31	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	10/03/23 17:31	10/03/23 17:31	141-78-6	
4-Ethyltoluene	**3.35**	ug/m3	0.982	0.384	1	10/03/23 17:31	10/03/23 17:31	622-96-8	
Trichlorofluoromethane	**155**	ug/m3	1.12	0.460	1	10/03/23 17:31	10/03/23 17:31	75-69-4	
Dichlorodifluoromethane	**2.50**	ug/m3	0.989	0.678	1	10/03/23 17:31	10/03/23 17:31	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	10/03/23 17:31	10/03/23 17:31	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	10/03/23 17:31	10/03/23 17:31	76-14-2	
n-Heptane	**2.25**	ug/m3	0.818	0.425	1	10/03/23 17:31	10/03/23 17:31	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	10/03/23 17:31	10/03/23 17:31	87-68-3	
n-Hexane	**3.15**	ug/m3	2.22	0.726	1	10/03/23 17:31	10/03/23 17:31	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	10/03/23 17:31	10/03/23 17:31	98-82-8	
Methylene Chloride	**1.35**	ug/m3	0.694	0.340	1	10/03/23 17:31	10/03/23 17:31	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	10/03/23 17:31	10/03/23 17:31	591-78-6	
2-Butanone (MEK)	**9.76**	ug/m3	3.69	0.240	1	10/03/23 17:31	10/03/23 17:31	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-9 **Lab ID: 92690806009** Collected: 09/28/23 15:29 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.12	0.313	1	10/03/23 17:31	10/03/23 17:31	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	10/03/23 17:31	10/03/23 17:31	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	10/03/23 17:31	10/03/23 17:31	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	10/03/23 17:31	10/03/23 17:31	91-20-3	
2-Propanol	ND	ug/m3	3.07	0.649	1	10/03/23 17:31	10/03/23 17:31	67-63-0	
Propylene	ND	ug/m3	2.15	0.160	1	10/03/23 17:31	10/03/23 17:31	115-07-1	
Styrene	**125**	ug/m3	0.851	0.335	1	10/03/23 17:31	10/03/23 17:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	10/03/23 17:31	10/03/23 17:31	79-34-5	
Tetrachloroethene	**6.23**	ug/m3	1.36	0.553	1	10/03/23 17:31	10/03/23 17:31	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	10/03/23 17:31	10/03/23 17:31	109-99-9	
Toluene	**14.0**	ug/m3	1.88	0.328	1	10/03/23 17:31	10/03/23 17:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	10/03/23 17:31	10/03/23 17:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	10/03/23 17:31	10/03/23 17:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	10/03/23 17:31	10/03/23 17:31	79-00-5	
Trichloroethene	ND	ug/m3	1.07	0.364	1	10/03/23 17:31	10/03/23 17:31	79-01-6	
1,2,4-Trimethylbenzene	**3.64**	ug/m3	0.982	0.375	1	10/03/23 17:31	10/03/23 17:31	95-63-6	
1,3,5-Trimethylbenzene	**1.26**	ug/m3	0.982	0.382	1	10/03/23 17:31	10/03/23 17:31	108-67-8	
2,2,4-Trimethylpentane	ND	ug/m3	0.934	0.621	1	10/03/23 17:31	10/03/23 17:31	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	10/03/23 17:31	10/03/23 17:31	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	10/03/23 17:31	10/03/23 17:31	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	10/03/23 17:31	10/03/23 17:31	108-05-4	
m&p-Xylene	**19.3**	ug/m3	1.73	0.585	1	10/03/23 17:31	10/03/23 17:31	179601-23-1	
o-Xylene	**11.4**	ug/m3	0.867	0.359	1	10/03/23 17:31	10/03/23 17:31	95-47-6	
Xylene (Total)	**30.7**	ug/m3	2.61	0.586	1	10/03/23 17:31	10/03/23 17:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95.5	%	60.0-140		1	10/03/23 17:31	10/03/23 17:31	460-00-4	
4-Bromofluorobenzene (S)	56.5	%	60.0-140		10	10/07/23 14:59	10/07/23 14:59	460-00-4	SR

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-10 **Lab ID: 92690806010** Collected: 09/28/23 15:30 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
Acetone	**532**	ug/m3	29.7	1.39	10	10/06/23 16:17	10/06/23 16:17	67-64-1	
Allyl chloride	ND	ug/m3	0.626	0.357	1	10/03/23 18:10	10/03/23 18:10	107-05-1	
Benzene	**2.92**	ug/m3	0.639	0.228	1	10/03/23 18:10	10/03/23 18:10	71-43-2	
Benzyl chloride	ND	ug/m3	1.04	0.311	1	10/03/23 18:10	10/03/23 18:10	100-44-7	
Bromodichloromethane	ND	ug/m3	1.34	0.471	1	10/03/23 18:10	10/03/23 18:10	75-27-4	
Bromoform	ND	ug/m3	6.21	0.757	1	10/03/23 18:10	10/03/23 18:10	75-25-2	
Bromomethane	ND	ug/m3	0.776	0.381	1	10/03/23 18:10	10/03/23 18:10	74-83-9	
1,3-Butadiene	ND	ug/m3	4.43	0.230	1	10/03/23 18:10	10/03/23 18:10	106-99-0	
Carbon disulfide	**18.2**	ug/m3	0.622	0.317	1	10/03/23 18:10	10/03/23 18:10	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.26	0.461	1	10/03/23 18:10	10/03/23 18:10	56-23-5	
Chlorobenzene	ND	ug/m3	0.924	0.385	1	10/03/23 18:10	10/03/23 18:10	108-90-7	
Chloroethane	ND	ug/m3	0.528	0.263	1	10/03/23 18:10	10/03/23 18:10	75-00-3	
Chloroform	ND	ug/m3	0.973	0.349	1	10/03/23 18:10	10/03/23 18:10	67-66-3	
Chloromethane	ND	ug/m3	0.413	0.213	1	10/03/23 18:10	10/03/23 18:10	74-87-3	
2-Chlorotoluene	ND	ug/m3	1.03	0.427	1	10/03/23 18:10	10/03/23 18:10	95-49-8	
Cyclohexane	ND	ug/m3	0.689	0.259	1	10/03/23 18:10	10/03/23 18:10	110-82-7	
Dibromochloromethane	ND	ug/m3	1.70	0.618	1	10/03/23 18:10	10/03/23 18:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.54	0.554	1	10/03/23 18:10	10/03/23 18:10	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.20	0.770	1	10/03/23 18:10	10/03/23 18:10	95-50-1	
1,3-Dichlorobenzene	**1.82**	ug/m3	1.20	1.09	1	10/03/23 18:10	10/03/23 18:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.20	0.335	1	10/03/23 18:10	10/03/23 18:10	106-46-7	
1,2-Dichloroethane	ND	ug/m3	0.810	0.283	1	10/03/23 18:10	10/03/23 18:10	107-06-2	
1,1-Dichloroethane	ND	ug/m3	0.802	0.290	1	10/03/23 18:10	10/03/23 18:10	75-34-3	
1,1-Dichloroethene	ND	ug/m3	0.793	0.302	1	10/03/23 18:10	10/03/23 18:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.793	0.311	1	10/03/23 18:10	10/03/23 18:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.793	0.267	1	10/03/23 18:10	10/03/23 18:10	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.924	0.351	1	10/03/23 18:10	10/03/23 18:10	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	0.908	0.313	1	10/03/23 18:10	10/03/23 18:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	0.908	0.331	1	10/03/23 18:10	10/03/23 18:10	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	0.721	0.300	1	10/03/23 18:10	10/03/23 18:10	123-91-1	
Ethanol	**464**	ug/m3	47.1	0.500	10	10/06/23 16:17	10/06/23 16:17	64-17-5	
Ethylbenzene	**17.5**	ug/m3	0.867	0.362	1	10/03/23 18:10	10/03/23 18:10	100-41-4	
Ethyl acetate	ND	ug/m3	0.720	0.360	1	10/03/23 18:10	10/03/23 18:10	141-78-6	
4-Ethyltoluene	**4.61**	ug/m3	0.982	0.384	1	10/03/23 18:10	10/03/23 18:10	622-96-8	
Trichlorofluoromethane	**100**	ug/m3	1.12	0.460	1	10/03/23 18:10	10/03/23 18:10	75-69-4	
Dichlorodifluoromethane	**2.53**	ug/m3	0.989	0.678	1	10/03/23 18:10	10/03/23 18:10	75-71-8	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.53	0.608	1	10/03/23 18:10	10/03/23 18:10	76-13-1	
Dichlorotetrafluoroethane	ND	ug/m3	1.40	0.622	1	10/03/23 18:10	10/03/23 18:10	76-14-2	
n-Heptane	**2.44**	ug/m3	0.818	0.425	1	10/03/23 18:10	10/03/23 18:10	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.73	1.12	1	10/03/23 18:10	10/03/23 18:10	87-68-3	
n-Hexane	**3.77**	ug/m3	2.22	0.726	1	10/03/23 18:10	10/03/23 18:10	110-54-3	
Isopropylbenzene (Cumene)	ND	ug/m3	0.983	0.382	1	10/03/23 18:10	10/03/23 18:10	98-82-8	
Methylene Chloride	**2.30**	ug/m3	0.694	0.340	1	10/03/23 18:10	10/03/23 18:10	75-09-2	
2-Hexanone	ND	ug/m3	5.11	0.544	1	10/03/23 18:10	10/03/23 18:10	591-78-6	
2-Butanone (MEK)	**20.1**	ug/m3	3.69	0.240	1	10/03/23 18:10	10/03/23 18:10	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Sample: VP-10 **Lab ID: 92690806010** Collected: 09/28/23 15:30 Received: 09/29/23 09:00 Matrix: Air

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
VOA (MS) TO-15	Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet								
4-Methyl-2-pentanone (MIBK)	**185**	ug/m3	5.12	0.313	1	10/03/23 18:10	10/03/23 18:10	108-10-1	
Methyl methacrylate	ND	ug/m3	0.819	0.359	1	10/03/23 18:10	10/03/23 18:10	80-62-6	
Methyl-tert-butyl ether	ND	ug/m3	0.721	0.233	1	10/03/23 18:10	10/03/23 18:10	1634-04-4	
Naphthalene	ND	ug/m3	3.30	1.83	1	10/03/23 18:10	10/03/23 18:10	91-20-3	
2-Propanol	**27.5**	ug/m3	3.07	0.649	1	10/03/23 18:10	10/03/23 18:10	67-63-0	
Propylene	ND	ug/m3	2.15	0.160	1	10/03/23 18:10	10/03/23 18:10	115-07-1	
Styrene	**398**	ug/m3	0.851	0.335	1	10/03/23 18:10	10/03/23 18:10	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.37	0.511	1	10/03/23 18:10	10/03/23 18:10	79-34-5	
Tetrachloroethene	**4.99**	ug/m3	1.36	0.553	1	10/03/23 18:10	10/03/23 18:10	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.590	0.216	1	10/03/23 18:10	10/03/23 18:10	109-99-9	
Toluene	**26.1**	ug/m3	1.88	0.328	1	10/03/23 18:10	10/03/23 18:10	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	4.66	1.10	1	10/03/23 18:10	10/03/23 18:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.09	0.400	1	10/03/23 18:10	10/03/23 18:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.09	0.422	1	10/03/23 18:10	10/03/23 18:10	79-00-5	
Trichloroethene	ND	ug/m3	1.07	0.364	1	10/03/23 18:10	10/03/23 18:10	79-01-6	
1,2,4-Trimethylbenzene	**4.88**	ug/m3	0.982	0.375	1	10/03/23 18:10	10/03/23 18:10	95-63-6	
1,3,5-Trimethylbenzene	**1.30**	ug/m3	0.982	0.382	1	10/03/23 18:10	10/03/23 18:10	108-67-8	
2,2,4-Trimethylpentane	**1.79**	ug/m3	0.934	0.621	1	10/03/23 18:10	10/03/23 18:10	540-84-1	
Vinyl chloride	ND	ug/m3	0.511	0.243	1	10/03/23 18:10	10/03/23 18:10	75-01-4	
Vinyl bromide	ND	ug/m3	0.875	0.373	1	10/03/23 18:10	10/03/23 18:10	593-60-2	
Vinyl acetate	ND	ug/m3	0.704	0.408	1	10/03/23 18:10	10/03/23 18:10	108-05-4	
m&p-Xylene	**54.2**	ug/m3	1.73	0.585	1	10/03/23 18:10	10/03/23 18:10	179601-23-1	
o-Xylene	**16.4**	ug/m3	0.867	0.359	1	10/03/23 18:10	10/03/23 18:10	95-47-6	
Xylene (Total)	**70.8**	ug/m3	2.61	0.586	1	10/03/23 18:10	10/03/23 18:10	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95.2	%	60.0-140		1	10/03/23 18:10	10/03/23 18:10	460-00-4	
4-Bromofluorobenzene (S)	104	%	60.0-140		10	10/06/23 16:17	10/06/23 16:17	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

QC Batch: 2143894 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: VOA (MS) TO-15
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92690806001, 92690806002, 92690806003, 92690806004, 92690806005, 92690806006, 92690806007, 92690806008, 92690806009, 92690806010

METHOD BLANK: R3982473-3 Matrix: Air
Associated Lab Samples: 92690806001, 92690806002, 92690806003, 92690806004, 92690806005, 92690806006, 92690806007, 92690806008, 92690806009, 92690806010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ppbv	ND	1.25	0.584	10/03/23 10:41	
Allyl chloride	ppbv	ND	0.200	0.114	10/03/23 10:41	
Benzene	ppbv	ND	0.200	0.0715	10/03/23 10:41	
Benzyl chloride	ppbv	ND	0.200	0.0598	10/03/23 10:41	
Bromodichloromethane	ppbv	ND	0.200	0.0702	10/03/23 10:41	
Bromoform	ppbv	ND	0.600	0.0732	10/03/23 10:41	
Bromomethane	ppbv	ND	0.200	0.0982	10/03/23 10:41	
1,3-Butadiene	ppbv	ND	2.00	0.104	10/03/23 10:41	
Carbon disulfide	ppbv	ND	0.200	0.102	10/03/23 10:41	
Carbon tetrachloride	ppbv	ND	0.200	0.0732	10/03/23 10:41	
Chlorobenzene	ppbv	ND	0.200	0.0832	10/03/23 10:41	
Chloroethane	ppbv	ND	0.200	0.0996	10/03/23 10:41	
Chloroform	ppbv	ND	0.200	0.0717	10/03/23 10:41	
Chloromethane	ppbv	ND	0.200	0.103	10/03/23 10:41	
2-Chlorotoluene	ppbv	ND	0.200	0.0828	10/03/23 10:41	
Cyclohexane	ppbv	ND	0.200	0.0753	10/03/23 10:41	
Dibromochloromethane	ppbv	ND	0.200	0.0727	10/03/23 10:41	
1,2-Dibromoethane (EDB)	ppbv	ND	0.200	0.0721	10/03/23 10:41	
1,2-Dichlorobenzene	ppbv	ND	0.200	0.128	10/03/23 10:41	
1,3-Dichlorobenzene	ppbv	ND	0.200	0.182	10/03/23 10:41	
1,4-Dichlorobenzene	ppbv	ND	0.200	0.0557	10/03/23 10:41	
1,2-Dichloroethane	ppbv	ND	0.200	0.0700	10/03/23 10:41	
1,1-Dichloroethane	ppbv	ND	0.200	0.0723	10/03/23 10:41	
1,1-Dichloroethene	ppbv	ND	0.200	0.0762	10/03/23 10:41	
cis-1,2-Dichloroethene	ppbv	ND	0.200	0.0784	10/03/23 10:41	
trans-1,2-Dichloroethene	ppbv	ND	0.200	0.0673	10/03/23 10:41	
1,2-Dichloropropane	ppbv	ND	0.200	0.0760	10/03/23 10:41	
cis-1,3-Dichloropropene	ppbv	ND	0.200	0.0689	10/03/23 10:41	
trans-1,3-Dichloropropene	ppbv	ND	0.200	0.0728	10/03/23 10:41	
1,4-Dioxane (p-Dioxane)	ppbv	ND	0.200	0.0833	10/03/23 10:41	
Ethanol	ppbv	0.660J	2.50	0.265	10/03/23 10:41	J
Ethylbenzene	ppbv	ND	0.200	0.0835	10/03/23 10:41	
Ethyl acetate	ppbv	ND	0.200	0.100	10/03/23 10:41	
4-Ethyltoluene	ppbv	ND	0.200	0.0783	10/03/23 10:41	
Trichlorofluoromethane	ppbv	ND	0.200	0.0819	10/03/23 10:41	
Dichlorodifluoromethane	ppbv	ND	0.200	0.137	10/03/23 10:41	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.200	0.0793	10/03/23 10:41	
Dichlorotetrafluoroethane	ppbv	ND	0.200	0.0890	10/03/23 10:41	
n-Heptane	ppbv	ND	0.200	0.104	10/03/23 10:41	

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

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

METHOD BLANK: R3982473-3 Matrix: Air

Associated Lab Samples: 92690806001, 92690806002, 92690806003, 92690806004, 92690806005, 92690806006, 92690806007, 92690806008, 92690806009, 92690806010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ppbv	ND	0.630	0.105	10/03/23 10:41	
n-Hexane	ppbv	ND	0.630	0.206	10/03/23 10:41	
Isopropylbenzene (Cumene)	ppbv	ND	0.200	0.0777	10/03/23 10:41	
Methylene Chloride	ppbv	ND	0.200	0.0979	10/03/23 10:41	
2-Hexanone	ppbv	ND	1.25	0.133	10/03/23 10:41	
2-Butanone (MEK)	ppbv	ND	1.25	0.0814	10/03/23 10:41	
4-Methyl-2-pentanone (MIBK)	ppbv	ND	1.25	0.0765	10/03/23 10:41	
Methyl methacrylate	ppbv	ND	0.200	0.0876	10/03/23 10:41	
Methyl-tert-butyl ether	ppbv	ND	0.200	0.0647	10/03/23 10:41	
Naphthalene	ppbv	ND	0.630	0.350	10/03/23 10:41	
2-Propanol	ppbv	ND	1.25	0.264	10/03/23 10:41	
Propylene	ppbv	ND	1.25	0.0932	10/03/23 10:41	
Styrene	ppbv	ND	0.200	0.0788	10/03/23 10:41	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.200	0.0743	10/03/23 10:41	
Tetrachloroethene	ppbv	ND	0.200	0.0814	10/03/23 10:41	
Tetrahydrofuran	ppbv	ND	0.200	0.0734	10/03/23 10:41	
Toluene	ppbv	ND	0.500	0.0870	10/03/23 10:41	
1,2,4-Trichlorobenzene	ppbv	ND	0.630	0.148	10/03/23 10:41	
1,1,1-Trichloroethane	ppbv	ND	0.200	0.0736	10/03/23 10:41	
1,1,2-Trichloroethane	ppbv	ND	0.200	0.0775	10/03/23 10:41	
Trichloroethene	ppbv	ND	0.200	0.0680	10/03/23 10:41	
1,2,4-Trimethylbenzene	ppbv	ND	0.200	0.0764	10/03/23 10:41	
1,3,5-Trimethylbenzene	ppbv	ND	0.200	0.0779	10/03/23 10:41	
2,2,4-Trimethylpentane	ppbv	ND	0.200	0.133	10/03/23 10:41	
Vinyl chloride	ppbv	ND	0.200	0.0949	10/03/23 10:41	
Vinyl bromide	ppbv	ND	0.200	0.0852	10/03/23 10:41	
Vinyl acetate	ppbv	ND	0.200	0.116	10/03/23 10:41	
m&p-Xylene	ppbv	ND	0.400	0.135	10/03/23 10:41	
o-Xylene	ppbv	ND	0.200	0.0828	10/03/23 10:41	
Xylene (Total)	ppbv	ND	0.600	0.135	10/03/23 10:41	
4-Bromofluorobenzene (S)	%	96.4	60.0-140		10/03/23 10:41	

LABORATORY CONTROL SAMPLE & LCSD: R3982473-1 R3982473-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ppbv	3.75	3.65	3.62	97.3	96.5	70.0-130	0.825	25	
Allyl chloride	ppbv	3.75	3.79	3.69	101	98.4	70.0-130	2.67	25	
Benzene	ppbv	3.75	4.18	4.21	111	112	70.0-130	0.715	25	
Benzyl chloride	ppbv	3.75	4.47	4.46	119	119	70.0-152	0.224	25	
Bromodichloromethane	ppbv	3.75	4.17	4.19	111	112	70.0-130	0.478	25	
Bromoform	ppbv	3.75	4.42	4.35	118	116	70.0-130	1.60	25	
Bromomethane	ppbv	3.75	4.38	4.34	117	116	70.0-130	0.917	25	
1,3-Butadiene	ppbv	3.75	3.94	3.92	105	105	70.0-130	0.509	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

LABORATORY CONTROL SAMPLE & LCSD: R3982473-1 R3982473-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon disulfide	ppbv	3.75	4.04	3.96	108	106	70.0-130	2.00	25	
Carbon tetrachloride	ppbv	3.75	4.38	4.31	117	115	70.0-130	1.61	25	
Chlorobenzene	ppbv	3.75	4.39	4.36	117	116	70.0-130	0.686	25	
Chloroethane	ppbv	3.75	4.30	4.35	115	116	70.0-130	1.16	25	
Chloroform	ppbv	3.75	4.14	4.09	110	109	70.0-130	1.22	25	
Chloromethane	ppbv	3.75	3.61	3.56	96.3	94.9	70.0-130	1.39	25	
2-Chlorotoluene	ppbv	3.75	4.48	4.44	119	118	70.0-130	0.897	25	
Cyclohexane	ppbv	3.75	4.28	4.28	114	114	70.0-130	0.00	25	
Dibromochloromethane	ppbv	3.75	4.42	4.37	118	117	70.0-130	1.14	25	
1,2-Dibromoethane (EDB)	ppbv	3.75	4.33	4.35	115	116	70.0-130	0.461	25	
1,2-Dichlorobenzene	ppbv	3.75	4.43	4.39	118	117	70.0-130	0.907	25	
1,3-Dichlorobenzene	ppbv	3.75	4.45	4.46	119	119	70.0-130	0.224	25	
1,4-Dichlorobenzene	ppbv	3.75	4.51	4.50	120	120	70.0-130	0.222	25	
1,2-Dichloroethane	ppbv	3.75	4.22	4.20	113	112	70.0-130	0.475	25	
1,1-Dichloroethane	ppbv	3.75	3.91	4.10	104	109	70.0-130	4.74	25	
1,1-Dichloroethene	ppbv	3.75	4.01	3.99	107	106	70.0-130	0.500	25	
cis-1,2-Dichloroethene	ppbv	3.75	3.77	3.66	101	97.6	70.0-130	2.96	25	
trans-1,2-Dichloroethene	ppbv	3.75	3.97	3.92	106	105	70.0-130	1.27	25	
1,2-Dichloropropane	ppbv	3.75	3.93	3.96	105	106	70.0-130	0.760	25	
cis-1,3-Dichloropropene	ppbv	3.75	4.18	4.24	111	113	70.0-130	1.43	25	
trans-1,3-Dichloropropene	ppbv	3.75	4.22	4.23	113	113	70.0-130	0.237	25	
1,4-Dioxane (p-Dioxane)	ppbv	3.75	4.26	4.38	114	117	70.0-140	2.78	25	
Ethanol	ppbv	3.75	3.95	3.75	105	100	55.0-148	5.19	25	
Ethylbenzene	ppbv	3.75	4.27	4.23	114	113	70.0-130	0.941	25	
Ethyl acetate	ppbv	3.75	3.74	3.71	99.7	98.9	70.0-130	0.805	25	
4-Ethyltoluene	ppbv	3.75	4.53	4.48	121	119	70.0-130	1.11	25	
Trichlorofluoromethane	ppbv	3.75	4.60	4.51	123	120	70.0-130	1.98	25	
Dichlorodifluoromethane	ppbv	3.75	4.31	4.25	115	113	64.0-139	1.40	25	
1,1,2-Trichlorotrifluoroethane	ppbv	3.75	4.24	4.18	113	111	70.0-130	1.43	25	
Dichlorotetrafluoroethane	ppbv	3.75	4.18	4.17	111	111	70.0-130	0.240	25	
n-Heptane	ppbv	3.75	4.24	4.18	113	111	70.0-130	1.43	25	
Hexachloro-1,3-butadiene	ppbv	3.75	4.74	4.69	126	125	70.0-151	1.06	25	
n-Hexane	ppbv	3.75	3.91	3.81	104	102	70.0-130	2.59	25	
Isopropylbenzene (Cumene)	ppbv	3.75	4.58	4.55	122	121	70.0-130	0.657	25	
Methylene Chloride	ppbv	3.75	3.71	3.68	98.9	98.1	70.0-130	0.812	25	
2-Hexanone	ppbv	3.75	4.00	4.06	107	108	70.0-149	1.49	25	
2-Butanone (MEK)	ppbv	3.75	4.24	4.13	113	110	70.0-130	2.63	25	
4-Methyl-2-pentanone (MIBK)	ppbv	3.75	4.01	4.04	107	108	70.0-139	0.745	25	
Methyl methacrylate	ppbv	3.75	3.87	3.89	103	104	70.0-130	0.515	25	
Methyl-tert-butyl ether	ppbv	3.75	4.11	4.10	110	109	70.0-130	0.244	25	
Naphthalene	ppbv	3.75	4.78	4.87	127	130	70.0-159	1.87	25	
2-Propanol	ppbv	3.75	3.89	3.87	104	103	70.0-139	0.515	25	
Propylene	ppbv	3.75	3.78	3.80	101	101	64.0-144	0.528	25	
Styrene	ppbv	3.75	4.60	4.52	123	121	70.0-130	1.75	25	
1,1,2,2-Tetrachloroethane	ppbv	3.75	4.04	4.01	108	107	70.0-130	0.745	25	
Tetrachloroethene	ppbv	3.75	4.49	4.49	120	120	70.0-130	0.00	25	
Tetrahydrofuran	ppbv	3.75	3.86	3.77	103	101	70.0-137	2.36	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

LABORATORY CONTROL SAMPLE & LCSD: R3982473-1 R3982473-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Toluene	ppbv	3.75	4.35	4.35	116	116	70.0-130	0.00	25	
1,2,4-Trichlorobenzene	ppbv	3.75	4.73	4.80	126	128	70.0-160	1.47	25	
1,1,1-Trichloroethane	ppbv	3.75	4.31	4.26	115	114	70.0-130	1.17	25	
1,1,2-Trichloroethane	ppbv	3.75	4.19	4.16	112	111	70.0-130	0.719	25	
Trichloroethene	ppbv	3.75	4.27	4.21	114	112	70.0-130	1.42	25	
1,2,4-Trimethylbenzene	ppbv	3.75	4.65	4.60	124	123	70.0-130	1.08	25	
1,3,5-Trimethylbenzene	ppbv	3.75	4.68	4.61	125	123	70.0-130	1.51	25	
2,2,4-Trimethylpentane	ppbv	3.75	4.11	4.10	110	109	70.0-130	0.244	25	
Vinyl chloride	ppbv	3.75	3.99	3.92	106	105	70.0-130	1.77	25	
Vinyl bromide	ppbv	3.75	4.43	4.40	118	117	70.0-130	0.679	25	
Vinyl acetate	ppbv	3.75	4.09	3.97	109	106	70.0-130	2.98	25	
m&p-Xylene	ppbv	7.50	9.07	8.98	121	120	70.0-130	0.997	25	
o-Xylene	ppbv	3.75	4.44	4.42	118	118	70.0-130	0.451	25	
Xylene (Total)	ppbv	11.3	13.5	13.4	119	119	70.0-130	0.743	25	
4-Bromofluorobenzene (S)	%				97.0	97.0	60.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

QC Batch: 2146375
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: VOA (MS) TO-15
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92690806001, 92690806003

METHOD BLANK: R3982961-3 Matrix: Air
Associated Lab Samples: 92690806001, 92690806003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ppbv	ND	1.25	0.584	10/06/23 11:01	
4-Bromofluorobenzene (S)	%	100	60.0-140		10/06/23 11:01	

LABORATORY CONTROL SAMPLE & LCSD: R3982961-1 R3982961-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ppbv	3.75	4.10	4.17	109	111	70.0-130	1.69	25	
4-Bromofluorobenzene (S)	%				99.9	97.4	60.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

QC Batch: 2146451
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: VOA (MS) TO-15
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92690806002, 92690806004, 92690806005, 92690806006, 92690806007, 92690806008

METHOD BLANK: R3983208-1 Matrix: Air
Associated Lab Samples: 92690806002, 92690806004, 92690806005, 92690806006, 92690806007, 92690806008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ppbv	ND	1.25	0.584	10/06/23 10:25	
Ethanol	ppbv	0.452J	2.50	0.265	10/06/23 10:25	J
Styrene	ppbv	ND	0.200	0.0788	10/06/23 10:25	
4-Bromofluorobenzene (S)	%	93.8	60.0-140		10/06/23 10:25	

LABORATORY CONTROL SAMPLE & LCSD: R3983208-2 R3983208-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ppbv	3.75	4.09	4.05	109	108	70.0-130	0.983	25	
Ethanol	ppbv	3.75	4.17	4.19	111	112	55.0-148	0.478	25	
Styrene	ppbv	3.75	3.81	3.90	102	104	70.0-130	2.33	25	
4-Bromofluorobenzene (S)	%				103	103	60.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

QC Batch: 2146455
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: VOA (MS) TO-15
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92690806010

METHOD BLANK: R3983179-3 Matrix: Air

Associated Lab Samples: 92690806010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ppbv	ND	1.25	0.584	10/06/23 09:48	
Ethanol	ppbv	ND	2.50	0.265	10/06/23 09:48	
4-Bromofluorobenzene (S)	%	101	60.0-140		10/06/23 09:48	

LABORATORY CONTROL SAMPLE & LCSD: R3983179-1 R3983179-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ppbv	3.75	3.72	3.70	99.2	98.7	70.0-130	0.539	25	
Ethanol	ppbv	3.75	3.23	3.26	86.1	86.9	55.0-148	0.924	25	
4-Bromofluorobenzene (S)	%				102	102	60.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

QC Batch: 2146973
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: VOA (MS) TO-15
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92690806001, 92690806004, 92690806009

METHOD BLANK: R3983710-3 Matrix: Air
Associated Lab Samples: 92690806001, 92690806004, 92690806009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acetone	ppbv	ND	1.25	0.584	10/07/23 13:10	
Ethanol	ppbv	1.32J	2.50	0.265	10/07/23 13:10	J
Styrene	ppbv	ND	0.200	0.0788	10/07/23 13:10	
4-Bromofluorobenzene (S)	%	88.3	60.0-140		10/07/23 13:10	

LABORATORY CONTROL SAMPLE & LCSD: R3983710-1 R3983710-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ppbv	3.75	3.65	3.60	97.3	96.0	70.0-130	1.38	25	
Ethanol	ppbv	3.75	4.32	4.14	115	110	55.0-148	4.26	25	
Styrene	ppbv	3.75	3.91	3.77	104	101	70.0-130	3.65	25	
4-Bromofluorobenzene (S)	%				107	102	60.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

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.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
SR	Surrogate recovery was below laboratory control limits. Results may be biased low.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Newberry, SC (AIR)
Pace Project No.: 92690806

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92690806001	**VP-1**	TO-15	2143894	TO-15	2143894
92690806001	**VP-1**	TO-15	2146375	TO-15	2146375
92690806001	**VP-1**	TO-15	2146973	TO-15	2146973
92690806002	**VP-2**	TO-15	2143894	TO-15	2143894
92690806002	**VP-2**	TO-15	2146451	TO-15	2146451
92690806003	**VP-3**	TO-15	2143894	TO-15	2143894
92690806003	**VP-3**	TO-15	2146375	TO-15	2146375
92690806004	**VP-4**	TO-15	2143894	TO-15	2143894
92690806004	**VP-4**	TO-15	2146451	TO-15	2146451
92690806004	**VP-4**	TO-15	2146973	TO-15	2146973
92690806005	**VP-5**	TO-15	2143894	TO-15	2143894
92690806005	**VP-5**	TO-15	2146451	TO-15	2146451
92690806006	**VP-6**	TO-15	2143894	TO-15	2143894
92690806006	**VP-6**	TO-15	2146451	TO-15	2146451
92690806007	**VP-7**	TO-15	2143894	TO-15	2143894
92690806007	**VP-7**	TO-15	2146451	TO-15	2146451
92690806008	**VP-8**	TO-15	2143894	TO-15	2143894
92690806008	**VP-8**	TO-15	2146451	TO-15	2146451
92690806009	**VP-9**	TO-15	2143894	TO-15	2143894
92690806009	**VP-9**	TO-15	2146973	TO-15	2146973
92690806010	**VP-10**	TO-15	2143894	TO-15	2143894
92690806010	**VP-10**	TO-15	2146455	TO-15	2146455

Sample Receipt Checklist
COC Seal Present/Intact: ___Y ___N ___If Applicable
COC Signed/Accurate: ___Y ___N VOA Zero Headspace: ___Y ___N
Bottles arrive intact: ___Y ___N Pres. Correct/Check: ___Y ___N
Correct Bottles: ___Y ___N
Sufficient Volume: ___Y ___N
RA Samples: ___Y ___N

WO# : 92690806

92690806

Pace Analytical - Huntersville, NC

Air CHAIN-OF-CUSTODY Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace

Company Name: 9800 Kincey Avenue, Suite 100 Huntersville, NC 28078	Contact/Report To: Accounts Payable 9800 Kincey Ave., Ste. 100 Huntersville, NC 28078	
	Phone #:	
	E-Mail:	
City, State Zip:	Cc E-Mail:	
Customer Project #: Bonnie Vang	Invoice to: bonnie.vang@pacelabs.com	
Project Name: Newberry, SC	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable):	
704-875-9092 [ ]AK [ ]PT [ ]MT [ ]CT [ ]ET	Quote #: State origin of sample(s): PACE-AECOMAIR	

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (CAA, RCRA, etc.) as applicable:
Rush (Pre-approval required): 2 Day 3 day 5 day Other
Permit # as applicable:
Date Results Requested:
Units for Reporting: ug/m³ PPBV mg/m³ PPMV

* Matrix Codes (Insert in Matrix box below): Ambient (A), Indoor (I), Soil Vapor (SV), Other (O)

Customer Sample ID	Matrix *	Summa Canister ID	Flow Controller ID	Begin Collection Date	Begin Collection Time	End Collection Date	End Collection Time	Canister Pressure / Vacuum: Start Pressure / Vacuum (in Hg)	Canister Pressure / Vacuum: End Pressure / Vacuum (in Hg)	PUF / FILTER: Duration (minutes)	PUF / FILTER: Flow Rate m³/min or L/min	PUF / FILTER: Total Volume Sampled m³ or L	Analyses Requested: 1-hr Summa SV-01	Lab Use Only	Sample Comment
VP-1	SV	024567	023107	9/28	1455	9/28	1458	-28	-2	3			X		
VP-2		023804	012667		1457		1502	-29	-7	5					
VP-3		024052	007742		1457		1502	-29	-6	5					
VP-4		024571	024936		1456		1501	-29	-6	5					
VP-5		008022	023121		1512		1517	-30	-4.5	5					
VP-6		021544	013493		1513		1518	-26	-3	5					
VP-7		007365	024931		1512		1517	-5	+8	5					Gauge read +12 to -5
VP-8		023603	012885		1513		1518	-29	-8	5					
VP-9		021497	015466		1524		1529	-28	-6	5					
VP-10		022008	009220		1525		1530	-30	-8	5					

Field Information

Proj. Manager:
AcctNum / Client ID: PACE
Table #: T237409
Profile / Template: P1023117 484 - Nancy McLain
Prelog / Bottle Ord. ID: WO#92690806

Customer Remarks / Special Conditions / Possible Hazards: Newberry, SC

Collected By:
Printed Name:
Signature:

Additional Instructions from Pace®:

Coolers: 1 Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C):

Relinquished by/Company: (Signature) TJA	Date/Time: 9/28/23	Received by/Company: (Signature) Brenna Bzom AECOM	Date/Time: 9/28/23 0930	Tracking Number:
Relinquished by/Company: (Signature) Brenna Bzom AECOM	Date/Time: 9/28/23 1830	Received by/Company: (Signature)	Date/Time:	Delivered by: In-Person Courier FedEX UPS Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) Jamerian	Date/Time: 9/29/23 0900	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: ___ of: ___

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

October 11, 2023

Dave Oliphant
AECOM Environment
10 Patewood Drive
Bldg. VI, Ste. 500
Greenville, SC 29615

RE: Project: Newberry, SC
Pace Project No.: 92690805

Dear Dave Oliphant:

Enclosed are the analytical results for sample(s) received by the laboratory on September 29, 2023. 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 - Charlotte

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

Sincerely,

Bonnie Vang

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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CERTIFICATIONS

Project: Newberry, SC
Pace Project No.: 92690805

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Newberry, SC
Pace Project No.: 92690805

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92690805001	**TMW-31**	Water	09/29/23 09:30	09/29/23 15:50
92690805002	**VP-4**	Solid	09/28/23 17:30	09/29/23 15:50
92690805003	**VP-5**	Solid	09/28/23 17:10	09/29/23 15:50
92690805004	**ISCO-OBSW-1S**	Water	09/29/23 10:00	09/29/23 15:50
92690805005	**TB-1**	Water	09/29/23 09:30	09/29/23 15:50
92690805006	**VP-6**	Solid	09/28/23 17:02	09/29/23 15:50
92690805007	**VP-7**	Solid	09/28/23 17:40	09/29/23 15:50

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SAMPLE ANALYTE COUNT

Project: Newberry, SC
Pace Project No.: 92690805

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92690805001	**TMW-31**	EPA 8260D	JJK	62	PASI-C
92690805002	**VP-4**	EPA 8260D	LMB	70	PASI-C
		SW-846	KDF	1	PASI-C
92690805003	**VP-5**	EPA 8260D	LMB	70	PASI-C
		SW-846	KDF	1	PASI-C
92690805004	**ISCO-OBSW-1S**	EPA 8260D	JJK	62	PASI-C
92690805005	**TB-1**	EPA 8260D	JJK	62	PASI-C
92690805006	**VP-6**	EPA 8260D	LMB	70	PASI-C
		SW-846	KDF	1	PASI-C
92690805007	**VP-7**	EPA 8260D	LMB	70	PASI-C
		SW-846	KDF	1	PASI-C

PASI-C = Pace Analytical Services - Charlotte

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: Newberry, SC
Pace Project No.: 92690805

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92690805001	**TMW-31**					
EPA 8260D	cis-1,2-Dichloroethene	14.8	ug/L	12.5	10/10/23 18:39	
EPA 8260D	Trichloroethene	1810	ug/L	12.5	10/10/23 18:39	
92690805002	**VP-4**					
EPA 8260D	Benzene	5.0J	ug/kg	7.1	10/05/23 20:54	
EPA 8260D	Styrene	33.0	ug/kg	7.1	10/05/23 20:54	
EPA 8260D	Toluene	7.4	ug/kg	7.1	10/05/23 20:54	
EPA 8260D	Xylene (Total)	6.7J	ug/kg	14.2	10/05/23 20:54	
EPA 8260D	m&p-Xylene	6.7J	ug/kg	14.2	10/05/23 20:54	
SW-846	Percent Moisture	15.6	%	0.10	10/02/23 15:53	N2
92690805003	**VP-5**					
EPA 8260D	Benzene	8.8J	ug/kg	11.3	10/05/23 21:12	
EPA 8260D	Styrene	54.8	ug/kg	11.3	10/05/23 21:12	
EPA 8260D	Toluene	10.0J	ug/kg	11.3	10/05/23 21:12	
EPA 8260D	Xylene (Total)	10.5J	ug/kg	22.5	10/05/23 21:12	
EPA 8260D	m&p-Xylene	10.5J	ug/kg	22.5	10/05/23 21:12	
SW-846	Percent Moisture	12.1	%	0.10	10/02/23 15:54	N2
92690805004	**ISCO-OBSW-1S**					
EPA 8260D	cis-1,2-Dichloroethene	5.9	ug/L	5.0	10/10/23 17:45	
EPA 8260D	Trichloroethene	909	ug/L	5.0	10/10/23 17:45	
92690805006	**VP-6**					
EPA 8260D	Benzene	4.5J	ug/kg	6.0	10/05/23 21:29	
EPA 8260D	Ethylbenzene	5.4J	ug/kg	6.0	10/05/23 21:29	
EPA 8260D	Styrene	109	ug/kg	6.0	10/05/23 21:29	
EPA 8260D	Toluene	5.2J	ug/kg	6.0	10/05/23 21:29	
EPA 8260D	1,2,4-Trimethylbenzene	4.6J	ug/kg	6.0	10/05/23 21:29	
EPA 8260D	Xylene (Total)	10.0J	ug/kg	11.9	10/05/23 21:29	
EPA 8260D	m&p-Xylene	6.2J	ug/kg	11.9	10/05/23 21:29	
EPA 8260D	o-Xylene	3.8J	ug/kg	6.0	10/05/23 21:29	
SW-846	Percent Moisture	8.6	%	0.10	10/02/23 15:54	N2
92690805007	**VP-7**					
EPA 8260D	Acetone	55.8J	ug/kg	137	10/06/23 01:15	
EPA 8260D	Methylene Chloride	65.5	ug/kg	27.5	10/06/23 01:15	C9
EPA 8260D	Styrene	62.4	ug/kg	6.9	10/06/23 01:15	
EPA 8260D	Toluene	5.5J	ug/kg	6.9	10/06/23 01:15	
SW-846	Percent Moisture	8.2	%	0.10	10/02/23 15:54	N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: Newberry, SC
Pace Project No.: 92690805

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: AECOM, SC
Date: October 11, 2023

General Information:
3 samples were analyzed for EPA 8260D by Pace Analytical Services Charlotte. 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.

QC Batch: 805068

v2: The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

- DUP (Lab ID: 4169047)
  - Bromomethane

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

- MS (Lab ID: 4169046)
  - Bromomethane

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.

QC Batch: 803832

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 4163047)
  - Dichlorodifluoromethane

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

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9800 Kincey Ave. Suite 100
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(704)875-9092

PROJECT NARRATIVE

Project: Newberry, SC
Pace Project No.: 92690805

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: AECOM, SC
Date: October 11, 2023

QC Batch: 803832

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92690829001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 4163048)
  - Dichlorodifluoromethane

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

Additional Comments:

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: Newberry, SC
Pace Project No.: 92690805

Method: **EPA 8260D**
Description: 8260D/5035A/5030B SC Volatiles
Client: AECOM, SC
Date: October 11, 2023

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

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

Sample Preparation:
The samples were prepared in accordance with EPA 5035A/5030B with any exceptions noted below.

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

QC Batch: 804511

IK: The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.

- BLANK (Lab ID: 4166412)
  - 1,2-Dibromo-3-chloropropane
  - Dichlorodifluoromethane
- DUP (Lab ID: 4166415)
  - 1,2-Dibromo-3-chloropropane
  - Dichlorodifluoromethane
- LCS (Lab ID: 4166413)
  - 1,2-Dibromo-3-chloropropane
  - Dichlorodifluoromethane
- MS (Lab ID: 4166414)
  - 1,2-Dibromo-3-chloropropane
  - Dichlorodifluoromethane
- VP-4 (Lab ID: 92690805002)
  - 1,2-Dibromo-3-chloropropane
  - Dichlorodifluoromethane
- VP-5 (Lab ID: 92690805003)
  - 1,2-Dibromo-3-chloropropane
  - Dichlorodifluoromethane
- VP-6 (Lab ID: 92690805006)
  - 1,2-Dibromo-3-chloropropane
  - Dichlorodifluoromethane

QC Batch: 804524

IK: The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.

- BLANK (Lab ID: 4166643)
  - 1,2-Dibromo-3-chloropropane
  - Dichlorodifluoromethane
- DUP (Lab ID: 4166646)

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PROJECT NARRATIVE

Project: Newberry, SC
Pace Project No.: 92690805

Method: **EPA 8260D**
Description: 8260D/5035A/5030B SC Volatiles
Client: AECOM, SC
Date: October 11, 2023

QC Batch: 804524

IK: The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.

- 1,2-Dibromo-3-chloropropane
- Dichlorodifluoromethane

- LCS (Lab ID: 4166644)
  - 1,2-Dibromo-3-chloropropane
  - Dichlorodifluoromethane
- MS (Lab ID: 4166645)
  - 1,2-Dibromo-3-chloropropane
  - Dichlorodifluoromethane
- VP-7 (Lab ID: 92690805007)
  - 1,2-Dibromo-3-chloropropane
  - Dichlorodifluoromethane

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

QC Batch: 804511

v1: The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

- BLANK (Lab ID: 4166412)
  - Bromomethane
  - Dibromomethane
  - Dichlorodifluoromethane
  - Trichlorofluoromethane
- DUP (Lab ID: 4166415)
  - Bromomethane
  - Dibromomethane
  - Dichlorodifluoromethane
  - Trichlorofluoromethane
- LCS (Lab ID: 4166413)
  - Bromomethane
  - Dibromomethane
  - Dichlorodifluoromethane
  - Trichlorofluoromethane
- MS (Lab ID: 4166414)
  - Bromomethane
  - Dibromomethane
  - Dichlorodifluoromethane
  - Trichlorofluoromethane
- VP-4 (Lab ID: 92690805002)
  - Bromomethane
  - Dibromomethane
  - Dichlorodifluoromethane
  - Trichlorofluoromethane
- VP-5 (Lab ID: 92690805003)

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PROJECT NARRATIVE

Project: Newberry, SC
Pace Project No.: 92690805

Method: **EPA 8260D**
Description: 8260D/5035A/5030B SC Volatiles
Client: AECOM, SC
Date: October 11, 2023

QC Batch: 804511

v1: The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

- Bromomethane
- Dibromomethane
- Dichlorodifluoromethane
- Trichlorofluoromethane

- VP-6 (Lab ID: 92690805006)
  - Bromomethane
  - Dibromomethane
  - Dichlorodifluoromethane
  - Trichlorofluoromethane

QC Batch: 804524

v1: The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

- BLANK (Lab ID: 4166643)
  - Bromomethane
  - Chloroethane
  - Dichlorodifluoromethane
  - Trichlorofluoromethane
  - Vinyl chloride
- DUP (Lab ID: 4166646)
  - Bromomethane
  - Chloroethane
  - Dichlorodifluoromethane
  - Trichlorofluoromethane
  - Vinyl chloride
- LCS (Lab ID: 4166644)
  - Bromomethane
  - Chloroethane
  - Dichlorodifluoromethane
  - Trichlorofluoromethane
  - Vinyl chloride
- MS (Lab ID: 4166645)
  - Bromomethane
  - Chloroethane
  - Dichlorodifluoromethane
  - Trichlorofluoromethane
  - Vinyl chloride
- VP-7 (Lab ID: 92690805007)
  - Bromomethane
  - Chloroethane
  - Dichlorodifluoromethane
  - Trichlorofluoromethane
  - Vinyl chloride

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PROJECT NARRATIVE

Project: Newberry, SC
Pace Project No.: 92690805

Method: **EPA 8260D**
Description: 8260D/5035A/5030B SC Volatiles
Client: AECOM, SC
Date: October 11, 2023

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.

QC Batch: 804511

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 4166413)
  - Dichlorodifluoromethane

QC Batch: 804524

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 4166644)
  - Dichlorodifluoromethane

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

QC Batch: 804511

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92690905001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 4166414)
  - Dichlorodifluoromethane

QC Batch: 804524

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92690805007

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 4166645)
  - Dichlorodifluoromethane

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

Additional Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: Newberry, SC
Pace Project No.: 92690805

Method: **EPA 8260D**
Description: 8260D/5035A/5030B SC Volatiles
Client: AECOM, SC
Date: October 11, 2023

Analyte Comments:

QC Batch: 804524

C9: Common Laboratory Contaminant.

- DUP (Lab ID: 4166646)
  - Methylene Chloride
- VP-7 (Lab ID: 92690805007)
  - Methylene Chloride

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

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: TMW-31 **Lab ID: 92690805001** Collected: 09/29/23 09:30 Received: 09/29/23 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	312	63.9	12.5		10/10/23 18:39	67-64-1	
Benzene	ND	ug/L	12.5	4.3	12.5		10/10/23 18:39	71-43-2	
Bromobenzene	ND	ug/L	12.5	3.6	12.5		10/10/23 18:39	108-86-1	
Bromochloromethane	ND	ug/L	12.5	5.8	12.5		10/10/23 18:39	74-97-5	
Bromodichloromethane	ND	ug/L	12.5	3.8	12.5		10/10/23 18:39	75-27-4	
Bromoform	ND	ug/L	12.5	4.3	12.5		10/10/23 18:39	75-25-2	
Bromomethane	ND	ug/L	25.0	20.8	12.5		10/10/23 18:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	62.5	49.5	12.5		10/10/23 18:39	78-93-3	
Carbon tetrachloride	ND	ug/L	12.5	4.2	12.5		10/10/23 18:39	56-23-5	
Chlorobenzene	ND	ug/L	12.5	3.6	12.5		10/10/23 18:39	108-90-7	
Chloroethane	ND	ug/L	12.5	8.1	12.5		10/10/23 18:39	75-00-3	
Chloroform	ND	ug/L	12.5	5.4	12.5		10/10/23 18:39	67-66-3	
Chloromethane	ND	ug/L	12.5	6.8	12.5		10/10/23 18:39	74-87-3	
2-Chlorotoluene	ND	ug/L	12.5	4.0	12.5		10/10/23 18:39	95-49-8	
4-Chlorotoluene	ND	ug/L	12.5	4.0	12.5		10/10/23 18:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	25.0	4.2	12.5		10/10/23 18:39	96-12-8	
Dibromochloromethane	ND	ug/L	12.5	4.5	12.5		10/10/23 18:39	124-48-1	
Dibromomethane	ND	ug/L	12.5	4.9	12.5		10/10/23 18:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		10/10/23 18:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		10/10/23 18:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		10/10/23 18:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	12.5	4.3	12.5		10/10/23 18:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	12.5	4.6	12.5		10/10/23 18:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	12.5	4.0	12.5		10/10/23 18:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	12.5	4.4	12.5		10/10/23 18:39	75-35-4	
cis-1,2-Dichloroethene	**14.8**	ug/L	12.5	4.8	12.5		10/10/23 18:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	12.5	5.0	12.5		10/10/23 18:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	12.5	4.4	12.5		10/10/23 18:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	12.5	3.6	12.5		10/10/23 18:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	12.5	4.8	12.5		10/10/23 18:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	12.5	5.3	12.5		10/10/23 18:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	12.5	4.6	12.5		10/10/23 18:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	12.5	4.5	12.5		10/10/23 18:39	10061-02-6	
Diisopropyl ether	ND	ug/L	12.5	3.8	12.5		10/10/23 18:39	108-20-3	
Ethylbenzene	ND	ug/L	12.5	3.8	12.5		10/10/23 18:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	19.1	12.5		10/10/23 18:39	87-68-3	
2-Hexanone	ND	ug/L	62.5	6.0	12.5		10/10/23 18:39	591-78-6	
p-Isopropyltoluene	ND	ug/L	12.5	5.2	12.5		10/10/23 18:39	99-87-6	
Methylene Chloride	ND	ug/L	62.5	24.4	12.5		10/10/23 18:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	62.5	33.9	12.5		10/10/23 18:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	12.5	5.3	12.5		10/10/23 18:39	1634-04-4	
Naphthalene	ND	ug/L	12.5	8.1	12.5		10/10/23 18:39	91-20-3	
Styrene	ND	ug/L	12.5	3.6	12.5		10/10/23 18:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	12.5	3.9	12.5		10/10/23 18:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	12.5	2.8	12.5		10/10/23 18:39	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: TMW-31 **Lab ID: 92690805001** Collected: 09/29/23 09:30 Received: 09/29/23 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	12.5	3.6	12.5		10/10/23 18:39	127-18-4	
Toluene	ND	ug/L	12.5	6.1	12.5		10/10/23 18:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	12.5	10.1	12.5		10/10/23 18:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	12.5	8.0	12.5		10/10/23 18:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	12.5	4.2	12.5		10/10/23 18:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	12.5	4.1	12.5		10/10/23 18:39	79-00-5	
Trichloroethene	**1810**	ug/L	12.5	4.8	12.5		10/10/23 18:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	12.5	3.7	12.5		10/10/23 18:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	12.5	3.3	12.5		10/10/23 18:39	96-18-4	
Vinyl acetate	ND	ug/L	25.0	16.4	12.5		10/10/23 18:39	108-05-4	
Vinyl chloride	ND	ug/L	12.5	4.8	12.5		10/10/23 18:39	75-01-4	
Xylene (Total)	ND	ug/L	12.5	4.2	12.5		10/10/23 18:39	1330-20-7	
m&p-Xylene	ND	ug/L	25.0	8.9	12.5		10/10/23 18:39	179601-23-1	
o-Xylene	ND	ug/L	12.5	4.2	12.5		10/10/23 18:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		12.5		10/10/23 18:39	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		12.5		10/10/23 18:39	17060-07-0	
Toluene-d8 (S)	99	%	70-130		12.5		10/10/23 18:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: VP-4 **Lab ID: 92690805002** Collected: 09/28/23 17:30 Received: 09/29/23 15:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B SC Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	ND	ug/kg	142	45.5	1	10/05/23 17:50	10/05/23 20:54	67-64-1	
Benzene	**5.0J**	ug/kg	7.1	2.8	1	10/05/23 17:50	10/05/23 20:54	71-43-2	
Bromobenzene	ND	ug/kg	7.1	2.3	1	10/05/23 17:50	10/05/23 20:54	108-86-1	
Bromochloromethane	ND	ug/kg	7.1	2.1	1	10/05/23 17:50	10/05/23 20:54	74-97-5	
Bromodichloromethane	ND	ug/kg	7.1	2.7	1	10/05/23 17:50	10/05/23 20:54	75-27-4	
Bromoform	ND	ug/kg	7.1	2.5	1	10/05/23 17:50	10/05/23 20:54	75-25-2	
Bromomethane	ND	ug/kg	28.4	22.0	1	10/05/23 17:50	10/05/23 20:54	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	142	34.0	1	10/05/23 17:50	10/05/23 20:54	78-93-3	
n-Butylbenzene	ND	ug/kg	7.1	4.5	1	10/05/23 17:50	10/05/23 20:54	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.1	3.1	1	10/05/23 17:50	10/05/23 20:54	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.1	2.5	1	10/05/23 17:50	10/05/23 20:54	98-06-6	
Carbon tetrachloride	ND	ug/kg	7.1	2.7	1	10/05/23 17:50	10/05/23 20:54	56-23-5	
Chlorobenzene	ND	ug/kg	7.1	4.1	1	10/05/23 17:50	10/05/23 20:54	108-90-7	
Chloroethane	ND	ug/kg	14.2	5.5	1	10/05/23 17:50	10/05/23 20:54	75-00-3	
Chloroform	ND	ug/kg	7.1	5.9	1	10/05/23 17:50	10/05/23 20:54	67-66-3	
Chloromethane	ND	ug/kg	14.2	6.0	1	10/05/23 17:50	10/05/23 20:54	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.1	2.5	1	10/05/23 17:50	10/05/23 20:54	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.1	3.9	1	10/05/23 17:50	10/05/23 20:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.1	2.8	1	10/05/23 17:50	10/05/23 20:54	96-12-8	IK
Dibromochloromethane	ND	ug/kg	7.1	4.0	1	10/05/23 17:50	10/05/23 20:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.1	3.1	1	10/05/23 17:50	10/05/23 20:54	106-93-4	
Dibromomethane	ND	ug/kg	7.1	1.5	1	10/05/23 17:50	10/05/23 20:54	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	7.1	2.6	1	10/05/23 17:50	10/05/23 20:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.1	2.2	1	10/05/23 17:50	10/05/23 20:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.1	1.8	1	10/05/23 17:50	10/05/23 20:54	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.2	7.2	1	10/05/23 17:50	10/05/23 20:54	75-71-8	IH,IK, L1,v1
1,1-Dichloroethane	ND	ug/kg	7.1	2.9	1	10/05/23 17:50	10/05/23 20:54	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.1	4.7	1	10/05/23 17:50	10/05/23 20:54	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.1	2.9	1	10/05/23 17:50	10/05/23 20:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.1	2.4	1	10/05/23 17:50	10/05/23 20:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.1	6.0	1	10/05/23 17:50	10/05/23 20:54	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.1	2.1	1	10/05/23 17:50	10/05/23 20:54	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.1	2.2	1	10/05/23 17:50	10/05/23 20:54	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.1	5.4	1	10/05/23 17:50	10/05/23 20:54	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.1	3.4	1	10/05/23 17:50	10/05/23 20:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.1	1.9	1	10/05/23 17:50	10/05/23 20:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.1	2.4	1	10/05/23 17:50	10/05/23 20:54	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.1	1.9	1	10/05/23 17:50	10/05/23 20:54	108-20-3	
Ethylbenzene	ND	ug/kg	7.1	3.3	1	10/05/23 17:50	10/05/23 20:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	14.2	11.6	1	10/05/23 17:50	10/05/23 20:54	87-68-3	
2-Hexanone	ND	ug/kg	70.9	6.8	1	10/05/23 17:50	10/05/23 20:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.1	2.4	1	10/05/23 17:50	10/05/23 20:54	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.1	3.5	1	10/05/23 17:50	10/05/23 20:54	99-87-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: VP-4 **Lab ID: 92690805002** Collected: 09/28/23 17:30 Received: 09/29/23 15:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B SC Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Methylene Chloride	ND	ug/kg	28.4	19.4	1	10/05/23 17:50	10/05/23 20:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	70.9	6.8	1	10/05/23 17:50	10/05/23 20:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.1	2.7	1	10/05/23 17:50	10/05/23 20:54	1634-04-4	
Naphthalene	ND	ug/kg	7.1	3.7	1	10/05/23 17:50	10/05/23 20:54	91-20-3	
n-Propylbenzene	ND	ug/kg	7.1	2.5	1	10/05/23 17:50	10/05/23 20:54	103-65-1	
Styrene	**33.0**	ug/kg	7.1	1.9	1	10/05/23 17:50	10/05/23 20:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.1	2.7	1	10/05/23 17:50	10/05/23 20:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.1	1.9	1	10/05/23 17:50	10/05/23 20:54	79-34-5	
Tetrachloroethene	ND	ug/kg	7.1	2.2	1	10/05/23 17:50	10/05/23 20:54	127-18-4	
Toluene	**7.4**	ug/kg	7.1	4.9	1	10/05/23 17:50	10/05/23 20:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.1	5.7	1	10/05/23 17:50	10/05/23 20:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.1	6.0	1	10/05/23 17:50	10/05/23 20:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.1	3.7	1	10/05/23 17:50	10/05/23 20:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.1	2.4	1	10/05/23 17:50	10/05/23 20:54	79-00-5	
Trichloroethene	ND	ug/kg	7.1	5.7	1	10/05/23 17:50	10/05/23 20:54	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.1	3.9	1	10/05/23 17:50	10/05/23 20:54	75-69-4	v1
1,2,3-Trichloropropane	ND	ug/kg	7.1	3.6	1	10/05/23 17:50	10/05/23 20:54	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	7.1	4.2	1	10/05/23 17:50	10/05/23 20:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	7.1	2.4	1	10/05/23 17:50	10/05/23 20:54	108-67-8	
Vinyl acetate	ND	ug/kg	70.9	14.6	1	10/05/23 17:50	10/05/23 20:54	108-05-4	
Vinyl chloride	ND	ug/kg	14.2	3.6	1	10/05/23 17:50	10/05/23 20:54	75-01-4	
Xylene (Total)	**6.7J**	ug/kg	14.2	4.0	1	10/05/23 17:50	10/05/23 20:54	1330-20-7	
m&p-Xylene	**6.7J**	ug/kg	14.2	4.9	1	10/05/23 17:50	10/05/23 20:54	179601-23-1	
o-Xylene	ND	ug/kg	7.1	3.1	1	10/05/23 17:50	10/05/23 20:54	95-47-6	
Surrogates									
Toluene-d8 (S)	98	%	70-130		1	10/05/23 17:50	10/05/23 20:54	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1	10/05/23 17:50	10/05/23 20:54	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1	10/05/23 17:50	10/05/23 20:54	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**15.6**	%	0.10	0.10	1		10/02/23 15:53		N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: VP-5 **Lab ID: 92690805003** Collected: 09/28/23 17:10 Received: 09/29/23 15:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B SC Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	ND	ug/kg	225	72.3	1	10/05/23 17:50	10/05/23 21:12	67-64-1	
Benzene	**8.8J**	ug/kg	11.3	4.5	1	10/05/23 17:50	10/05/23 21:12	71-43-2	
Bromobenzene	ND	ug/kg	11.3	3.7	1	10/05/23 17:50	10/05/23 21:12	108-86-1	
Bromochloromethane	ND	ug/kg	11.3	3.3	1	10/05/23 17:50	10/05/23 21:12	74-97-5	
Bromodichloromethane	ND	ug/kg	11.3	4.3	1	10/05/23 17:50	10/05/23 21:12	75-27-4	
Bromoform	ND	ug/kg	11.3	4.0	1	10/05/23 17:50	10/05/23 21:12	75-25-2	
Bromomethane	ND	ug/kg	45.1	34.9	1	10/05/23 17:50	10/05/23 21:12	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	225	54.1	1	10/05/23 17:50	10/05/23 21:12	78-93-3	
n-Butylbenzene	ND	ug/kg	11.3	7.1	1	10/05/23 17:50	10/05/23 21:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	11.3	5.0	1	10/05/23 17:50	10/05/23 21:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	11.3	4.0	1	10/05/23 17:50	10/05/23 21:12	98-06-6	
Carbon tetrachloride	ND	ug/kg	11.3	4.2	1	10/05/23 17:50	10/05/23 21:12	56-23-5	
Chlorobenzene	ND	ug/kg	11.3	6.5	1	10/05/23 17:50	10/05/23 21:12	108-90-7	
Chloroethane	ND	ug/kg	22.5	8.7	1	10/05/23 17:50	10/05/23 21:12	75-00-3	
Chloroform	ND	ug/kg	11.3	9.4	1	10/05/23 17:50	10/05/23 21:12	67-66-3	
Chloromethane	ND	ug/kg	22.5	9.5	1	10/05/23 17:50	10/05/23 21:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	11.3	4.0	1	10/05/23 17:50	10/05/23 21:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	11.3	6.3	1	10/05/23 17:50	10/05/23 21:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.3	4.4	1	10/05/23 17:50	10/05/23 21:12	96-12-8	IK
Dibromochloromethane	ND	ug/kg	11.3	6.3	1	10/05/23 17:50	10/05/23 21:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	11.3	5.0	1	10/05/23 17:50	10/05/23 21:12	106-93-4	
Dibromomethane	ND	ug/kg	11.3	2.4	1	10/05/23 17:50	10/05/23 21:12	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	11.3	4.1	1	10/05/23 17:50	10/05/23 21:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	11.3	3.5	1	10/05/23 17:50	10/05/23 21:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	11.3	2.9	1	10/05/23 17:50	10/05/23 21:12	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	22.5	11.5	1	10/05/23 17:50	10/05/23 21:12	75-71-8	IH,IK, L1,v1
1,1-Dichloroethane	ND	ug/kg	11.3	4.6	1	10/05/23 17:50	10/05/23 21:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	11.3	7.5	1	10/05/23 17:50	10/05/23 21:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	11.3	4.6	1	10/05/23 17:50	10/05/23 21:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	11.3	3.9	1	10/05/23 17:50	10/05/23 21:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	11.3	9.6	1	10/05/23 17:50	10/05/23 21:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	11.3	3.4	1	10/05/23 17:50	10/05/23 21:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	11.3	3.5	1	10/05/23 17:50	10/05/23 21:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	11.3	8.5	1	10/05/23 17:50	10/05/23 21:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	11.3	5.4	1	10/05/23 17:50	10/05/23 21:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	11.3	3.1	1	10/05/23 17:50	10/05/23 21:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	11.3	3.9	1	10/05/23 17:50	10/05/23 21:12	10061-02-6	
Diisopropyl ether	ND	ug/kg	11.3	3.0	1	10/05/23 17:50	10/05/23 21:12	108-20-3	
Ethylbenzene	ND	ug/kg	11.3	5.2	1	10/05/23 17:50	10/05/23 21:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	22.5	18.4	1	10/05/23 17:50	10/05/23 21:12	87-68-3	
2-Hexanone	ND	ug/kg	113	10.9	1	10/05/23 17:50	10/05/23 21:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	11.3	3.8	1	10/05/23 17:50	10/05/23 21:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	11.3	5.5	1	10/05/23 17:50	10/05/23 21:12	99-87-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: VP-5 **Lab ID: 92690805003** Collected: 09/28/23 17:10 Received: 09/29/23 15:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B SC Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Methylene Chloride	ND	ug/kg	45.1	30.9	1	10/05/23 17:50	10/05/23 21:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	113	10.9	1	10/05/23 17:50	10/05/23 21:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	11.3	4.2	1	10/05/23 17:50	10/05/23 21:12	1634-04-4	
Naphthalene	ND	ug/kg	11.3	5.9	1	10/05/23 17:50	10/05/23 21:12	91-20-3	
n-Propylbenzene	ND	ug/kg	11.3	4.0	1	10/05/23 17:50	10/05/23 21:12	103-65-1	
Styrene	**54.8**	ug/kg	11.3	3.0	1	10/05/23 17:50	10/05/23 21:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	11.3	4.3	1	10/05/23 17:50	10/05/23 21:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	11.3	3.0	1	10/05/23 17:50	10/05/23 21:12	79-34-5	
Tetrachloroethene	ND	ug/kg	11.3	3.6	1	10/05/23 17:50	10/05/23 21:12	127-18-4	
Toluene	**10.0J**	ug/kg	11.3	7.8	1	10/05/23 17:50	10/05/23 21:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	11.3	9.1	1	10/05/23 17:50	10/05/23 21:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	11.3	9.5	1	10/05/23 17:50	10/05/23 21:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	11.3	5.9	1	10/05/23 17:50	10/05/23 21:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	11.3	3.7	1	10/05/23 17:50	10/05/23 21:12	79-00-5	
Trichloroethene	ND	ug/kg	11.3	9.1	1	10/05/23 17:50	10/05/23 21:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	11.3	6.2	1	10/05/23 17:50	10/05/23 21:12	75-69-4	v1
1,2,3-Trichloropropane	ND	ug/kg	11.3	5.7	1	10/05/23 17:50	10/05/23 21:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	11.3	6.7	1	10/05/23 17:50	10/05/23 21:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	11.3	3.8	1	10/05/23 17:50	10/05/23 21:12	108-67-8	
Vinyl acetate	ND	ug/kg	113	23.2	1	10/05/23 17:50	10/05/23 21:12	108-05-4	
Vinyl chloride	ND	ug/kg	22.5	5.7	1	10/05/23 17:50	10/05/23 21:12	75-01-4	
Xylene (Total)	**10.5J**	ug/kg	22.5	6.4	1	10/05/23 17:50	10/05/23 21:12	1330-20-7	
m&p-Xylene	**10.5J**	ug/kg	22.5	7.7	1	10/05/23 17:50	10/05/23 21:12	179601-23-1	
o-Xylene	ND	ug/kg	11.3	5.0	1	10/05/23 17:50	10/05/23 21:12	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1	10/05/23 17:50	10/05/23 21:12	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1	10/05/23 17:50	10/05/23 21:12	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1	10/05/23 17:50	10/05/23 21:12	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**12.1**	%	0.10	0.10	1		10/02/23 15:54		N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: ISCO-OBSW-1S **Lab ID: 92690805004** Collected: 09/29/23 10:00 Received: 09/29/23 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	125	25.6	5		10/10/23 17:45	67-64-1	
Benzene	ND	ug/L	5.0	1.7	5		10/10/23 17:45	71-43-2	
Bromobenzene	ND	ug/L	5.0	1.4	5		10/10/23 17:45	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.3	5		10/10/23 17:45	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1.5	5		10/10/23 17:45	75-27-4	
Bromoform	ND	ug/L	5.0	1.7	5		10/10/23 17:45	75-25-2	
Bromomethane	ND	ug/L	10.0	8.3	5		10/10/23 17:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	19.8	5		10/10/23 17:45	78-93-3	
Carbon tetrachloride	ND	ug/L	5.0	1.7	5		10/10/23 17:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1.4	5		10/10/23 17:45	108-90-7	
Chloroethane	ND	ug/L	5.0	3.2	5		10/10/23 17:45	75-00-3	
Chloroform	ND	ug/L	5.0	2.2	5		10/10/23 17:45	67-66-3	
Chloromethane	ND	ug/L	5.0	2.7	5		10/10/23 17:45	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1.6	5		10/10/23 17:45	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1.6	5		10/10/23 17:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1.7	5		10/10/23 17:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1.8	5		10/10/23 17:45	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.0	5		10/10/23 17:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1.7	5		10/10/23 17:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1.7	5		10/10/23 17:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1.7	5		10/10/23 17:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1.7	5		10/10/23 17:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1.8	5		10/10/23 17:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		10/10/23 17:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1.7	5		10/10/23 17:45	75-35-4	
cis-1,2-Dichloroethene	**5.9**	ug/L	5.0	1.9	5		10/10/23 17:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.0	5		10/10/23 17:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1.8	5		10/10/23 17:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1.4	5		10/10/23 17:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1.9	5		10/10/23 17:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	2.1	5		10/10/23 17:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		10/10/23 17:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		10/10/23 17:45	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	1.5	5		10/10/23 17:45	108-20-3	
Ethylbenzene	ND	ug/L	5.0	1.5	5		10/10/23 17:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	7.6	5		10/10/23 17:45	87-68-3	
2-Hexanone	ND	ug/L	25.0	2.4	5		10/10/23 17:45	591-78-6	
p-Isopropyltoluene	ND	ug/L	5.0	2.1	5		10/10/23 17:45	99-87-6	
Methylene Chloride	ND	ug/L	25.0	9.8	5		10/10/23 17:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	13.6	5		10/10/23 17:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.1	5		10/10/23 17:45	1634-04-4	
Naphthalene	ND	ug/L	5.0	3.2	5		10/10/23 17:45	91-20-3	
Styrene	ND	ug/L	5.0	1.5	5		10/10/23 17:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1.6	5		10/10/23 17:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	5		10/10/23 17:45	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: ISCO-OBSW-1S **Lab ID: 92690805004** Collected: 09/29/23 10:00 Received: 09/29/23 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	5.0	1.5	5		10/10/23 17:45	127-18-4	
Toluene	ND	ug/L	5.0	2.4	5		10/10/23 17:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	4.0	5		10/10/23 17:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	3.2	5		10/10/23 17:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1.7	5		10/10/23 17:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1.6	5		10/10/23 17:45	79-00-5	
Trichloroethene	**909**	ug/L	5.0	1.9	5		10/10/23 17:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1.5	5		10/10/23 17:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1.3	5		10/10/23 17:45	96-18-4	
Vinyl acetate	ND	ug/L	10.0	6.6	5		10/10/23 17:45	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1.9	5		10/10/23 17:45	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1.7	5		10/10/23 17:45	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.5	5		10/10/23 17:45	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.7	5		10/10/23 17:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		5		10/10/23 17:45	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		5		10/10/23 17:45	17060-07-0	
Toluene-d8 (S)	98	%	70-130		5		10/10/23 17:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: TB-1 **Lab ID: 92690805005** Collected: 09/29/23 09:30 Received: 09/29/23 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		10/04/23 01:59	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		10/04/23 01:59	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/04/23 01:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/04/23 01:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/04/23 01:59	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/04/23 01:59	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/04/23 01:59	74-83-9	IH
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/04/23 01:59	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/04/23 01:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/04/23 01:59	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/04/23 01:59	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/04/23 01:59	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/04/23 01:59	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/04/23 01:59	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/04/23 01:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/04/23 01:59	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/04/23 01:59	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/04/23 01:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/04/23 01:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/04/23 01:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/04/23 01:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/04/23 01:59	75-71-8	IH,L1
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/04/23 01:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/04/23 01:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/04/23 01:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/04/23 01:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/04/23 01:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/04/23 01:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/04/23 01:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/04/23 01:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/04/23 01:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/04/23 01:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/04/23 01:59	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/04/23 01:59	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/04/23 01:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/04/23 01:59	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/04/23 01:59	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/04/23 01:59	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/04/23 01:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/04/23 01:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/04/23 01:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/04/23 01:59	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/04/23 01:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/04/23 01:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/04/23 01:59	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: TB-1 **Lab ID: 92690805005** Collected: 09/29/23 09:30 Received: 09/29/23 15:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/04/23 01:59	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/04/23 01:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/04/23 01:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/04/23 01:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/04/23 01:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/04/23 01:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/04/23 01:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/04/23 01:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/04/23 01:59	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/04/23 01:59	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/04/23 01:59	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/04/23 01:59	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/04/23 01:59	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/04/23 01:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/04/23 01:59	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		10/04/23 01:59	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		10/04/23 01:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: VP-6 **Lab ID: 92690805006** Collected: 09/28/23 17:02 Received: 09/29/23 15:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B SC Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	ND	ug/kg	119	38.2	1	10/05/23 17:50	10/05/23 21:29	67-64-1	
Benzene	**4.5J**	ug/kg	6.0	2.4	1	10/05/23 17:50	10/05/23 21:29	71-43-2	
Bromobenzene	ND	ug/kg	6.0	1.9	1	10/05/23 17:50	10/05/23 21:29	108-86-1	
Bromochloromethane	ND	ug/kg	6.0	1.8	1	10/05/23 17:50	10/05/23 21:29	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	2.3	1	10/05/23 17:50	10/05/23 21:29	75-27-4	
Bromoform	ND	ug/kg	6.0	2.1	1	10/05/23 17:50	10/05/23 21:29	75-25-2	
Bromomethane	ND	ug/kg	23.8	18.5	1	10/05/23 17:50	10/05/23 21:29	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	119	28.6	1	10/05/23 17:50	10/05/23 21:29	78-93-3	
n-Butylbenzene	ND	ug/kg	6.0	3.7	1	10/05/23 17:50	10/05/23 21:29	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.0	2.6	1	10/05/23 17:50	10/05/23 21:29	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.0	2.1	1	10/05/23 17:50	10/05/23 21:29	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.0	2.2	1	10/05/23 17:50	10/05/23 21:29	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	3.4	1	10/05/23 17:50	10/05/23 21:29	108-90-7	
Chloroethane	ND	ug/kg	11.9	4.6	1	10/05/23 17:50	10/05/23 21:29	75-00-3	
Chloroform	ND	ug/kg	6.0	5.0	1	10/05/23 17:50	10/05/23 21:29	67-66-3	
Chloromethane	ND	ug/kg	11.9	5.0	1	10/05/23 17:50	10/05/23 21:29	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.0	2.1	1	10/05/23 17:50	10/05/23 21:29	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.0	3.3	1	10/05/23 17:50	10/05/23 21:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	2.3	1	10/05/23 17:50	10/05/23 21:29	96-12-8	IK
Dibromochloromethane	ND	ug/kg	6.0	3.3	1	10/05/23 17:50	10/05/23 21:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	2.6	1	10/05/23 17:50	10/05/23 21:29	106-93-4	
Dibromomethane	ND	ug/kg	6.0	1.3	1	10/05/23 17:50	10/05/23 21:29	74-95-3	v1
1,2-Dichlorobenzene	ND	ug/kg	6.0	2.1	1	10/05/23 17:50	10/05/23 21:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.0	1.8	1	10/05/23 17:50	10/05/23 21:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	1.5	1	10/05/23 17:50	10/05/23 21:29	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.9	6.1	1	10/05/23 17:50	10/05/23 21:29	75-71-8	IH,IK, L1,v1
1,1-Dichloroethane	ND	ug/kg	6.0	2.5	1	10/05/23 17:50	10/05/23 21:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	3.9	1	10/05/23 17:50	10/05/23 21:29	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.0	2.5	1	10/05/23 17:50	10/05/23 21:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.0	2.0	1	10/05/23 17:50	10/05/23 21:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.0	5.1	1	10/05/23 17:50	10/05/23 21:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	1.8	1	10/05/23 17:50	10/05/23 21:29	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.0	1.9	1	10/05/23 17:50	10/05/23 21:29	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.0	4.5	1	10/05/23 17:50	10/05/23 21:29	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.0	2.9	1	10/05/23 17:50	10/05/23 21:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	1.6	1	10/05/23 17:50	10/05/23 21:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	2.0	1	10/05/23 17:50	10/05/23 21:29	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.0	1.6	1	10/05/23 17:50	10/05/23 21:29	108-20-3	
Ethylbenzene	**5.4J**	ug/kg	6.0	2.8	1	10/05/23 17:50	10/05/23 21:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	11.9	9.7	1	10/05/23 17:50	10/05/23 21:29	87-68-3	
2-Hexanone	ND	ug/kg	59.5	5.7	1	10/05/23 17:50	10/05/23 21:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	2.0	1	10/05/23 17:50	10/05/23 21:29	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.0	2.9	1	10/05/23 17:50	10/05/23 21:29	99-87-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: VP-6 **Lab ID: 92690805006** Collected: 09/28/23 17:02 Received: 09/29/23 15:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B SC Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Methylene Chloride	ND	ug/kg	23.8	16.3	1	10/05/23 17:50	10/05/23 21:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	59.5	5.7	1	10/05/23 17:50	10/05/23 21:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	2.2	1	10/05/23 17:50	10/05/23 21:29	1634-04-4	
Naphthalene	ND	ug/kg	6.0	3.1	1	10/05/23 17:50	10/05/23 21:29	91-20-3	
n-Propylbenzene	ND	ug/kg	6.0	2.1	1	10/05/23 17:50	10/05/23 21:29	103-65-1	
Styrene	**109**	ug/kg	6.0	1.6	1	10/05/23 17:50	10/05/23 21:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	2.3	1	10/05/23 17:50	10/05/23 21:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	1.6	1	10/05/23 17:50	10/05/23 21:29	79-34-5	
Tetrachloroethene	ND	ug/kg	6.0	1.9	1	10/05/23 17:50	10/05/23 21:29	127-18-4	
Toluene	**5.2J**	ug/kg	6.0	4.1	1	10/05/23 17:50	10/05/23 21:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	4.8	1	10/05/23 17:50	10/05/23 21:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	5.0	1	10/05/23 17:50	10/05/23 21:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	3.1	1	10/05/23 17:50	10/05/23 21:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	2.0	1	10/05/23 17:50	10/05/23 21:29	79-00-5	
Trichloroethene	ND	ug/kg	6.0	4.8	1	10/05/23 17:50	10/05/23 21:29	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.0	3.3	1	10/05/23 17:50	10/05/23 21:29	75-69-4	v1
1,2,3-Trichloropropane	ND	ug/kg	6.0	3.0	1	10/05/23 17:50	10/05/23 21:29	96-18-4	
1,2,4-Trimethylbenzene	**4.6J**	ug/kg	6.0	3.5	1	10/05/23 17:50	10/05/23 21:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.0	2.0	1	10/05/23 17:50	10/05/23 21:29	108-67-8	
Vinyl acetate	ND	ug/kg	59.5	12.2	1	10/05/23 17:50	10/05/23 21:29	108-05-4	
Vinyl chloride	ND	ug/kg	11.9	3.0	1	10/05/23 17:50	10/05/23 21:29	75-01-4	
Xylene (Total)	**10.0J**	ug/kg	11.9	3.4	1	10/05/23 17:50	10/05/23 21:29	1330-20-7	
m&p-Xylene	**6.2J**	ug/kg	11.9	4.1	1	10/05/23 17:50	10/05/23 21:29	179601-23-1	
o-Xylene	**3.8J**	ug/kg	6.0	2.6	1	10/05/23 17:50	10/05/23 21:29	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1	10/05/23 17:50	10/05/23 21:29	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130		1	10/05/23 17:50	10/05/23 21:29	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1	10/05/23 17:50	10/05/23 21:29	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**8.6**	%	0.10	0.10	1		10/02/23 15:54		N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: VP-7 **Lab ID: 92690805007** Collected: 09/28/23 17:40 Received: 09/29/23 15:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B SC Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Acetone	**55.8J**	ug/kg	137	44.1	1	10/05/23 21:56	10/06/23 01:15	67-64-1	
Benzene	ND	ug/kg	6.9	2.7	1	10/05/23 21:56	10/06/23 01:15	71-43-2	
Bromobenzene	ND	ug/kg	6.9	2.2	1	10/05/23 21:56	10/06/23 01:15	108-86-1	
Bromochloromethane	ND	ug/kg	6.9	2.0	1	10/05/23 21:56	10/06/23 01:15	74-97-5	
Bromodichloromethane	ND	ug/kg	6.9	2.7	1	10/05/23 21:56	10/06/23 01:15	75-27-4	
Bromoform	ND	ug/kg	6.9	2.4	1	10/05/23 21:56	10/06/23 01:15	75-25-2	
Bromomethane	ND	ug/kg	27.5	21.3	1	10/05/23 21:56	10/06/23 01:15	74-83-9	v1
2-Butanone (MEK)	ND	ug/kg	137	33.0	1	10/05/23 21:56	10/06/23 01:15	78-93-3	
n-Butylbenzene	ND	ug/kg	6.9	4.3	1	10/05/23 21:56	10/06/23 01:15	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.9	3.0	1	10/05/23 21:56	10/06/23 01:15	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.9	2.4	1	10/05/23 21:56	10/06/23 01:15	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.9	2.6	1	10/05/23 21:56	10/06/23 01:15	56-23-5	
Chlorobenzene	ND	ug/kg	6.9	3.9	1	10/05/23 21:56	10/06/23 01:15	108-90-7	
Chloroethane	ND	ug/kg	13.7	5.3	1	10/05/23 21:56	10/06/23 01:15	75-00-3	v1
Chloroform	ND	ug/kg	6.9	5.7	1	10/05/23 21:56	10/06/23 01:15	67-66-3	
Chloromethane	ND	ug/kg	13.7	5.8	1	10/05/23 21:56	10/06/23 01:15	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.9	2.4	1	10/05/23 21:56	10/06/23 01:15	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.9	3.8	1	10/05/23 21:56	10/06/23 01:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.9	2.7	1	10/05/23 21:56	10/06/23 01:15	96-12-8	IK
Dibromochloromethane	ND	ug/kg	6.9	3.9	1	10/05/23 21:56	10/06/23 01:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.9	3.0	1	10/05/23 21:56	10/06/23 01:15	106-93-4	
Dibromomethane	ND	ug/kg	6.9	1.5	1	10/05/23 21:56	10/06/23 01:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.9	2.5	1	10/05/23 21:56	10/06/23 01:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.9	2.1	1	10/05/23 21:56	10/06/23 01:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.9	1.8	1	10/05/23 21:56	10/06/23 01:15	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.7	7.0	1	10/05/23 21:56	10/06/23 01:15	75-71-8	IH,IK, L1,M0, v1
1,1-Dichloroethane	ND	ug/kg	6.9	2.8	1	10/05/23 21:56	10/06/23 01:15	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.9	4.5	1	10/05/23 21:56	10/06/23 01:15	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.9	2.8	1	10/05/23 21:56	10/06/23 01:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.9	2.4	1	10/05/23 21:56	10/06/23 01:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.9	5.8	1	10/05/23 21:56	10/06/23 01:15	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.9	2.1	1	10/05/23 21:56	10/06/23 01:15	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.9	2.1	1	10/05/23 21:56	10/06/23 01:15	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.9	5.2	1	10/05/23 21:56	10/06/23 01:15	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.9	3.3	1	10/05/23 21:56	10/06/23 01:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.9	1.9	1	10/05/23 21:56	10/06/23 01:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.9	2.4	1	10/05/23 21:56	10/06/23 01:15	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.9	1.9	1	10/05/23 21:56	10/06/23 01:15	108-20-3	
Ethylbenzene	ND	ug/kg	6.9	3.2	1	10/05/23 21:56	10/06/23 01:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	13.7	11.2	1	10/05/23 21:56	10/06/23 01:15	87-68-3	
2-Hexanone	ND	ug/kg	68.7	6.6	1	10/05/23 21:56	10/06/23 01:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.9	2.3	1	10/05/23 21:56	10/06/23 01:15	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.9	3.4	1	10/05/23 21:56	10/06/23 01:15	99-87-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry, SC
Pace Project No.: 92690805

Sample: VP-7 **Lab ID: 92690805007** Collected: 09/28/23 17:40 Received: 09/29/23 15:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D/5035A/5030B SC Volatiles	Analytical Method: EPA 8260D Preparation Method: EPA 5035A/5030B Pace Analytical Services - Charlotte								
Methylene Chloride	**65.5**	ug/kg	27.5	18.8	1	10/05/23 21:56	10/06/23 01:15	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	68.7	6.6	1	10/05/23 21:56	10/06/23 01:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.9	2.6	1	10/05/23 21:56	10/06/23 01:15	1634-04-4	
Naphthalene	ND	ug/kg	6.9	3.6	1	10/05/23 21:56	10/06/23 01:15	91-20-3	
n-Propylbenzene	ND	ug/kg	6.9	2.4	1	10/05/23 21:56	10/06/23 01:15	103-65-1	
Styrene	**62.4**	ug/kg	6.9	1.8	1	10/05/23 21:56	10/06/23 01:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.9	2.6	1	10/05/23 21:56	10/06/23 01:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.9	1.8	1	10/05/23 21:56	10/06/23 01:15	79-34-5	
Tetrachloroethene	ND	ug/kg	6.9	2.2	1	10/05/23 21:56	10/06/23 01:15	127-18-4	
Toluene	**5.5J**	ug/kg	6.9	4.7	1	10/05/23 21:56	10/06/23 01:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.9	5.6	1	10/05/23 21:56	10/06/23 01:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.9	5.8	1	10/05/23 21:56	10/06/23 01:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.9	3.6	1	10/05/23 21:56	10/06/23 01:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.9	2.3	1	10/05/23 21:56	10/06/23 01:15	79-00-5	
Trichloroethene	ND	ug/kg	6.9	5.5	1	10/05/23 21:56	10/06/23 01:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.9	3.8	1	10/05/23 21:56	10/06/23 01:15	75-69-4	v1
1,2,3-Trichloropropane	ND	ug/kg	6.9	3.5	1	10/05/23 21:56	10/06/23 01:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.9	4.1	1	10/05/23 21:56	10/06/23 01:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.9	2.3	1	10/05/23 21:56	10/06/23 01:15	108-67-8	
Vinyl acetate	ND	ug/kg	68.7	14.1	1	10/05/23 21:56	10/06/23 01:15	108-05-4	
Vinyl chloride	ND	ug/kg	13.7	3.5	1	10/05/23 21:56	10/06/23 01:15	75-01-4	v1
Xylene (Total)	ND	ug/kg	13.7	3.9	1	10/05/23 21:56	10/06/23 01:15	1330-20-7	
m&p-Xylene	ND	ug/kg	13.7	4.7	1	10/05/23 21:56	10/06/23 01:15	179601-23-1	
o-Xylene	ND	ug/kg	6.9	3.0	1	10/05/23 21:56	10/06/23 01:15	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1	10/05/23 21:56	10/06/23 01:15	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		1	10/05/23 21:56	10/06/23 01:15	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1	10/05/23 21:56	10/06/23 01:15	17060-07-0	
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte								
Percent Moisture	**8.2**	%	0.10	0.10	1		10/02/23 15:54		N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

QC Batch: 803832
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92690805005

METHOD BLANK: 4163046 Matrix: Water
Associated Lab Samples: 92690805005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	10/03/23 21:08	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	10/03/23 21:08	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	10/03/23 21:08	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	10/03/23 21:08	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	10/03/23 21:08	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	10/03/23 21:08	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	10/03/23 21:08	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	10/03/23 21:08	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	10/03/23 21:08	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	10/03/23 21:08	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	10/03/23 21:08	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	10/03/23 21:08	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/03/23 21:08	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	10/03/23 21:08	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	10/03/23 21:08	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	10/03/23 21:08	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	10/03/23 21:08	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	10/03/23 21:08	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	10/03/23 21:08	
2-Chlorotoluene	ug/L	ND	1.0	0.32	10/03/23 21:08	
2-Hexanone	ug/L	ND	5.0	0.48	10/03/23 21:08	
4-Chlorotoluene	ug/L	ND	1.0	0.32	10/03/23 21:08	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	10/03/23 21:08	
Acetone	ug/L	ND	25.0	5.1	10/03/23 21:08	
Benzene	ug/L	ND	1.0	0.34	10/03/23 21:08	
Bromobenzene	ug/L	ND	1.0	0.29	10/03/23 21:08	
Bromochloromethane	ug/L	ND	1.0	0.47	10/03/23 21:08	
Bromodichloromethane	ug/L	ND	1.0	0.31	10/03/23 21:08	
Bromoform	ug/L	ND	1.0	0.34	10/03/23 21:08	
Bromomethane	ug/L	ND	2.0	1.7	10/03/23 21:08	IH
Carbon tetrachloride	ug/L	ND	1.0	0.33	10/03/23 21:08	
Chlorobenzene	ug/L	ND	1.0	0.28	10/03/23 21:08	
Chloroethane	ug/L	ND	1.0	0.65	10/03/23 21:08	
Chloroform	ug/L	ND	1.0	0.43	10/03/23 21:08	
Chloromethane	ug/L	ND	1.0	0.54	10/03/23 21:08	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	10/03/23 21:08	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/03/23 21:08	
Dibromochloromethane	ug/L	ND	1.0	0.36	10/03/23 21:08	
Dibromomethane	ug/L	ND	1.0	0.39	10/03/23 21:08	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	10/03/23 21:08	IH

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

METHOD BLANK: 4163046 Matrix: Water
Associated Lab Samples: 92690805005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	0.31	10/03/23 21:08	
Ethylbenzene	ug/L	ND	1.0	0.30	10/03/23 21:08	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	10/03/23 21:08	
m&p-Xylene	ug/L	ND	2.0	0.71	10/03/23 21:08	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/03/23 21:08	
Methylene Chloride	ug/L	ND	5.0	2.0	10/03/23 21:08	
Naphthalene	ug/L	ND	1.0	0.64	10/03/23 21:08	
o-Xylene	ug/L	ND	1.0	0.34	10/03/23 21:08	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	10/03/23 21:08	
Styrene	ug/L	ND	1.0	0.29	10/03/23 21:08	
Tetrachloroethene	ug/L	ND	1.0	0.29	10/03/23 21:08	
Toluene	ug/L	ND	1.0	0.48	10/03/23 21:08	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	10/03/23 21:08	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/03/23 21:08	
Trichloroethene	ug/L	ND	1.0	0.38	10/03/23 21:08	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	10/03/23 21:08	
Vinyl acetate	ug/L	ND	2.0	1.3	10/03/23 21:08	
Vinyl chloride	ug/L	ND	1.0	0.39	10/03/23 21:08	
Xylene (Total)	ug/L	ND	1.0	0.34	10/03/23 21:08	
1,2-Dichloroethane-d4 (S)	%	97	70-130		10/03/23 21:08	
4-Bromofluorobenzene (S)	%	99	70-130		10/03/23 21:08	
Toluene-d8 (S)	%	105	70-130		10/03/23 21:08	

LABORATORY CONTROL SAMPLE: 4163047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	70-130	
1,1,1-Trichloroethane	ug/L	20	20.0	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.1	106	70-130	
1,1,2-Trichloroethane	ug/L	20	20.9	104	70-130	
1,1-Dichloroethane	ug/L	20	19.8	99	70-130	
1,1-Dichloroethene	ug/L	20	20.4	102	70-130	
1,1-Dichloropropene	ug/L	20	21.4	107	70-130	
1,2,3-Trichlorobenzene	ug/L	20	20.9	105	70-130	
1,2,3-Trichloropropane	ug/L	20	20.6	103	70-130	
1,2,4-Trichlorobenzene	ug/L	20	20.0	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	21.4	107	70-130	
1,2-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,2-Dichloroethane	ug/L	20	20.0	100	70-130	
1,2-Dichloropropane	ug/L	20	20.9	104	70-130	
1,3-Dichlorobenzene	ug/L	20	20.2	101	70-130	
1,3-Dichloropropane	ug/L	20	20.7	104	70-130	
1,4-Dichlorobenzene	ug/L	20	20.0	100	70-130	
2,2-Dichloropropane	ug/L	20	18.5	93	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

LABORATORY CONTROL SAMPLE: 4163047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	40	36.9	92	70-130	
2-Chlorotoluene	ug/L	20	20.1	100	70-130	
2-Hexanone	ug/L	40	44.9	112	70-130	
4-Chlorotoluene	ug/L	20	20.3	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	42.4	106	70-130	
Acetone	ug/L	40	39.7	99	70-130	
Benzene	ug/L	20	20.3	102	70-130	
Bromobenzene	ug/L	20	20.0	100	70-130	
Bromochloromethane	ug/L	20	19.8	99	70-130	
Bromodichloromethane	ug/L	20	20.1	101	70-130	
Bromoform	ug/L	20	20.3	102	70-130	
Bromomethane	ug/L	20	22.2	111	70-130	IH
Carbon tetrachloride	ug/L	20	20.2	101	70-130	
Chlorobenzene	ug/L	20	20.3	101	70-130	
Chloroethane	ug/L	20	19.5	97	70-130	
Chloroform	ug/L	20	19.6	98	70-130	
Chloromethane	ug/L	20	19.7	99	70-130	
cis-1,2-Dichloroethene	ug/L	20	19.6	98	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.4	102	70-130	
Dibromochloromethane	ug/L	20	20.8	104	70-130	
Dibromomethane	ug/L	20	20.7	104	70-130	
Dichlorodifluoromethane	ug/L	20	27.4	137	70-130	IH,L1
Diisopropyl ether	ug/L	20	19.5	98	70-130	
Ethylbenzene	ug/L	20	19.8	99	70-130	
Hexachloro-1,3-butadiene	ug/L	20	19.8	99	70-130	
m&p-Xylene	ug/L	40	39.4	99	70-130	
Methyl-tert-butyl ether	ug/L	20	20.2	101	70-130	
Methylene Chloride	ug/L	20	19.6	98	70-130	
Naphthalene	ug/L	20	21.9	110	70-130	
o-Xylene	ug/L	20	19.8	99	70-130	
p-Isopropyltoluene	ug/L	20	20.4	102	70-130	
Styrene	ug/L	20	20.4	102	70-130	
Tetrachloroethene	ug/L	20	18.9	94	70-130	
Toluene	ug/L	20	19.2	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.2	101	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.0	100	70-130	
Trichloroethene	ug/L	20	20.4	102	70-130	
Trichlorofluoromethane	ug/L	20	20.3	101	70-130	
Vinyl acetate	ug/L	40	38.1	95	70-130	
Vinyl chloride	ug/L	20	17.9	89	70-130	
Xylene (Total)	ug/L	60	59.2	99	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

MATRIX SPIKE SAMPLE: 4163048

Parameter	Units	92690829001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	25.2	126	73-134	
1,1,1-Trichloroethane	ug/L	ND	20	25.8	129	82-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	25.0	125	70-136	
1,1,2-Trichloroethane	ug/L	ND	20	24.6	123	70-135	
1,1-Dichloroethane	ug/L	ND	20	25.7	128	70-139	
1,1-Dichloroethene	ug/L	ND	20	28.5	142	70-154	
1,1-Dichloropropene	ug/L	ND	20	27.3	137	70-149	
1,2,3-Trichlorobenzene	ug/L	ND	20	24.3	122	70-135	
1,2,3-Trichloropropane	ug/L	ND	20	24.0	120	71-137	
1,2,4-Trichlorobenzene	ug/L	ND	20	24.3	122	73-140	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	25.6	128	65-134	
1,2-Dichlorobenzene	ug/L	0.34J	20	25.0	123	70-133	
1,2-Dichloroethane	ug/L	0.48J	20	25.0	123	70-137	
1,2-Dichloropropane	ug/L	ND	20	24.7	124	70-140	
1,3-Dichlorobenzene	ug/L	ND	20	25.0	125	70-135	
1,3-Dichloropropane	ug/L	ND	20	24.0	120	70-143	
1,4-Dichlorobenzene	ug/L	ND	20	24.4	122	70-133	
2,2-Dichloropropane	ug/L	ND	20	27.1	135	61-148	
2-Butanone (MEK)	ug/L	ND	40	48.0	120	60-139	
2-Chlorotoluene	ug/L	ND	20	24.8	124	70-144	
2-Hexanone	ug/L	ND	40	49.5	124	65-138	
4-Chlorotoluene	ug/L	ND	20	24.8	124	70-137	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	48.5	121	65-135	
Acetone	ug/L	ND	40	47.4	117	60-148	
Benzene	ug/L	0.40J	20	25.6	126	70-151	
Bromobenzene	ug/L	ND	20	24.8	124	70-136	
Bromochloromethane	ug/L	ND	20	24.6	123	70-141	
Bromodichloromethane	ug/L	ND	20	24.7	123	70-138	
Bromoform	ug/L	ND	20	25.1	125	63-130	
Bromomethane	ug/L	ND	20	26.5	132	15-152	IH
Carbon tetrachloride	ug/L	ND	20	26.8	134	70-143	
Chlorobenzene	ug/L	ND	20	24.9	124	70-138	
Chloroethane	ug/L	ND	20	26.7	134	52-163	
Chloroform	ug/L	1.2	20	25.6	122	70-139	
Chloromethane	ug/L	ND	20	25.0	125	41-139	
cis-1,2-Dichloroethene	ug/L	ND	20	26.2	131	70-141	
cis-1,3-Dichloropropene	ug/L	ND	20	24.5	122	70-137	
Dibromochloromethane	ug/L	ND	20	25.0	125	70-134	
Dibromomethane	ug/L	ND	20	24.8	124	70-138	
Dichlorodifluoromethane	ug/L	ND	20	39.5	198	47-155	IH,M0
Diisopropyl ether	ug/L	ND	20	24.4	122	63-144	
Ethylbenzene	ug/L	ND	20	24.8	124	66-153	
Hexachloro-1,3-butadiene	ug/L	ND	20	26.2	131	65-149	
m&p-Xylene	ug/L	ND	40	49.5	124	69-152	
Methyl-tert-butyl ether	ug/L	0.49J	20	24.2	119	54-156	
Methylene Chloride	ug/L	ND	20	24.9	123	42-159	
Naphthalene	ug/L	ND	20	24.2	121	61-148	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

MATRIX SPIKE SAMPLE: 4163048

Parameter	Units	92690829001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	ND	20	24.3	122	70-148	
p-Isopropyltoluene	ug/L	ND	20	25.5	127	70-146	
Styrene	ug/L	ND	20	19.0	95	70-135	
Tetrachloroethene	ug/L	ND	20	24.7	123	59-143	
Toluene	ug/L	ND	20	24.6	123	59-148	
trans-1,2-Dichloroethene	ug/L	ND	20	26.3	132	70-146	
trans-1,3-Dichloropropene	ug/L	ND	20	24.6	123	70-135	
Trichloroethene	ug/L	ND	20	25.6	128	70-147	
Trichlorofluoromethane	ug/L	ND	20	28.5	143	70-148	
Vinyl acetate	ug/L	ND	40	45.3	113	49-151	
Vinyl chloride	ug/L	ND	20	25.6	128	70-156	
Xylene (Total)	ug/L	ND	60	73.8	123	63-158	
1,2-Dichloroethane-d4 (S)	%				97	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4163049

Parameter	Units	92690829002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

SAMPLE DUPLICATE: 4163049

Parameter	Units	92690829002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	IH
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	0.87J	0.80J		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	IH
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	98	99			
4-Bromofluorobenzene (S)	%	99	100			
Toluene-d8 (S)	%	103	100			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

QC Batch: 805068
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92690805001, 92690805004

METHOD BLANK: 4169044 Matrix: Water
Associated Lab Samples: 92690805001, 92690805004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	10/10/23 12:36	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	10/10/23 12:36	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	10/10/23 12:36	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	10/10/23 12:36	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	10/10/23 12:36	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	10/10/23 12:36	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	10/10/23 12:36	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	10/10/23 12:36	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	10/10/23 12:36	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	10/10/23 12:36	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	10/10/23 12:36	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	10/10/23 12:36	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/10/23 12:36	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	10/10/23 12:36	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	10/10/23 12:36	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	10/10/23 12:36	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	10/10/23 12:36	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	10/10/23 12:36	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	10/10/23 12:36	
2-Chlorotoluene	ug/L	ND	1.0	0.32	10/10/23 12:36	
2-Hexanone	ug/L	ND	5.0	0.48	10/10/23 12:36	
4-Chlorotoluene	ug/L	ND	1.0	0.32	10/10/23 12:36	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	10/10/23 12:36	
Acetone	ug/L	ND	25.0	5.1	10/10/23 12:36	
Benzene	ug/L	ND	1.0	0.34	10/10/23 12:36	
Bromobenzene	ug/L	ND	1.0	0.29	10/10/23 12:36	
Bromochloromethane	ug/L	ND	1.0	0.47	10/10/23 12:36	
Bromodichloromethane	ug/L	ND	1.0	0.31	10/10/23 12:36	
Bromoform	ug/L	ND	1.0	0.34	10/10/23 12:36	
Bromomethane	ug/L	ND	2.0	1.7	10/10/23 12:36	
Carbon tetrachloride	ug/L	ND	1.0	0.33	10/10/23 12:36	
Chlorobenzene	ug/L	ND	1.0	0.28	10/10/23 12:36	
Chloroethane	ug/L	ND	1.0	0.65	10/10/23 12:36	
Chloroform	ug/L	ND	1.0	0.43	10/10/23 12:36	
Chloromethane	ug/L	ND	1.0	0.54	10/10/23 12:36	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	10/10/23 12:36	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/10/23 12:36	
Dibromochloromethane	ug/L	ND	1.0	0.36	10/10/23 12:36	
Dibromomethane	ug/L	ND	1.0	0.39	10/10/23 12:36	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	10/10/23 12:36	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

METHOD BLANK: 4169044 Matrix: Water
Associated Lab Samples: 92690805001, 92690805004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	0.31	10/10/23 12:36	
Ethylbenzene	ug/L	ND	1.0	0.30	10/10/23 12:36	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	10/10/23 12:36	
m&p-Xylene	ug/L	ND	2.0	0.71	10/10/23 12:36	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/10/23 12:36	
Methylene Chloride	ug/L	ND	5.0	2.0	10/10/23 12:36	
Naphthalene	ug/L	ND	1.0	0.64	10/10/23 12:36	
o-Xylene	ug/L	ND	1.0	0.34	10/10/23 12:36	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	10/10/23 12:36	
Styrene	ug/L	ND	1.0	0.29	10/10/23 12:36	
Tetrachloroethene	ug/L	ND	1.0	0.29	10/10/23 12:36	
Toluene	ug/L	ND	1.0	0.48	10/10/23 12:36	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	10/10/23 12:36	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/10/23 12:36	
Trichloroethene	ug/L	ND	1.0	0.38	10/10/23 12:36	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	10/10/23 12:36	
Vinyl acetate	ug/L	ND	2.0	1.3	10/10/23 12:36	
Vinyl chloride	ug/L	ND	1.0	0.39	10/10/23 12:36	
Xylene (Total)	ug/L	ND	1.0	0.34	10/10/23 12:36	
1,2-Dichloroethane-d4 (S)	%	100	70-130		10/10/23 12:36	
4-Bromofluorobenzene (S)	%	98	70-130		10/10/23 12:36	
Toluene-d8 (S)	%	99	70-130		10/10/23 12:36	

LABORATORY CONTROL SAMPLE: 4169045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.7	103	70-130	
1,1,1-Trichloroethane	ug/L	20	19.4	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.4	107	70-130	
1,1,2-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethane	ug/L	20	19.0	95	70-130	
1,1-Dichloroethene	ug/L	20	19.8	99	70-130	
1,1-Dichloropropene	ug/L	20	20.0	100	70-130	
1,2,3-Trichlorobenzene	ug/L	20	21.4	107	70-130	
1,2,3-Trichloropropane	ug/L	20	19.8	99	70-130	
1,2,4-Trichlorobenzene	ug/L	20	20.2	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	22.1	111	70-130	
1,2-Dichlorobenzene	ug/L	20	20.2	101	70-130	
1,2-Dichloroethane	ug/L	20	19.4	97	70-130	
1,2-Dichloropropane	ug/L	20	20.1	100	70-130	
1,3-Dichlorobenzene	ug/L	20	20.1	100	70-130	
1,3-Dichloropropane	ug/L	20	20.0	100	70-130	
1,4-Dichlorobenzene	ug/L	20	19.6	98	70-130	
2,2-Dichloropropane	ug/L	20	19.1	96	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

LABORATORY CONTROL SAMPLE: 4169045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	40	42.0	105	70-130	
2-Chlorotoluene	ug/L	20	19.2	96	70-130	
2-Hexanone	ug/L	40	43.8	110	70-130	
4-Chlorotoluene	ug/L	20	19.3	96	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	42.3	106	70-130	
Acetone	ug/L	40	40.5	101	70-130	
Benzene	ug/L	20	19.4	97	70-130	
Bromobenzene	ug/L	20	19.5	98	70-130	
Bromochloromethane	ug/L	20	19.4	97	70-130	
Bromodichloromethane	ug/L	20	20.1	101	70-130	
Bromoform	ug/L	20	21.2	106	70-130	
Bromomethane	ug/L	20	17.4	87	70-130	
Carbon tetrachloride	ug/L	20	20.1	100	70-130	
Chlorobenzene	ug/L	20	19.9	99	70-130	
Chloroethane	ug/L	20	18.8	94	70-130	
Chloroform	ug/L	20	19.4	97	70-130	
Chloromethane	ug/L	20	17.9	90	70-130	
cis-1,2-Dichloroethene	ug/L	20	19.4	97	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.3	101	70-130	
Dibromochloromethane	ug/L	20	20.4	102	70-130	
Dibromomethane	ug/L	20	20.4	102	70-130	
Dichlorodifluoromethane	ug/L	20	23.0	115	70-130	
Diisopropyl ether	ug/L	20	18.9	94	70-130	
Ethylbenzene	ug/L	20	19.4	97	70-130	
Hexachloro-1,3-butadiene	ug/L	20	21.2	106	70-130	
m&p-Xylene	ug/L	40	38.1	95	70-130	
Methyl-tert-butyl ether	ug/L	20	18.0	90	70-130	
Methylene Chloride	ug/L	20	20.2	101	70-130	
Naphthalene	ug/L	20	21.4	107	70-130	
o-Xylene	ug/L	20	19.4	97	70-130	
p-Isopropyltoluene	ug/L	20	19.8	99	70-130	
Styrene	ug/L	20	20.0	100	70-130	
Tetrachloroethene	ug/L	20	19.5	97	70-130	
Toluene	ug/L	20	19.2	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.2	96	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.1	100	70-130	
Trichloroethene	ug/L	20	19.5	97	70-130	
Trichlorofluoromethane	ug/L	20	19.7	99	70-130	
Vinyl acetate	ug/L	40	40.0	100	70-130	
Vinyl chloride	ug/L	20	16.8	84	70-130	
Xylene (Total)	ug/L	60	57.5	96	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

MATRIX SPIKE SAMPLE: 4169046

Parameter	Units	92691599001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	21.6	108	73-134	
1,1,1-Trichloroethane	ug/L	ND	20	23.7	118	82-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	21.0	105	70-136	
1,1,2-Trichloroethane	ug/L	ND	20	22.2	111	70-135	
1,1-Dichloroethane	ug/L	ND	20	22.2	111	70-139	
1,1-Dichloroethene	ug/L	ND	20	24.0	120	70-154	
1,1-Dichloropropene	ug/L	ND	20	25.1	126	70-149	
1,2,3-Trichlorobenzene	ug/L	ND	20	20.9	104	70-135	
1,2,3-Trichloropropane	ug/L	ND	20	20.4	102	71-137	
1,2,4-Trichlorobenzene	ug/L	ND	20	21.6	106	73-140	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	18.8	94	65-134	
1,2-Dichlorobenzene	ug/L	ND	20	21.5	107	70-133	
1,2-Dichloroethane	ug/L	ND	20	22.7	113	70-137	
1,2-Dichloropropane	ug/L	ND	20	22.8	114	70-140	
1,3-Dichlorobenzene	ug/L	1.3	20	23.3	110	70-135	
1,3-Dichloropropane	ug/L	ND	20	21.1	105	70-143	
1,4-Dichlorobenzene	ug/L	ND	20	23.1	116	70-133	
2,2-Dichloropropane	ug/L	ND	20	24.2	121	61-148	
2-Butanone (MEK)	ug/L	ND	40	34.1	85	60-139	
2-Chlorotoluene	ug/L	3.9	20	25.2	106	70-144	
2-Hexanone	ug/L	ND	40	38.0	95	65-138	
4-Chlorotoluene	ug/L	ND	20	21.6	108	70-137	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	37.2	93	65-135	
Acetone	ug/L	ND	40	38.5	94	60-148	
Benzene	ug/L	ND	20	22.6	112	70-151	
Bromobenzene	ug/L	ND	20	21.1	106	70-136	
Bromochloromethane	ug/L	ND	20	22.0	110	70-141	
Bromodichloromethane	ug/L	ND	20	21.5	107	70-138	
Bromoform	ug/L	ND	20	19.4	97	63-130	
Bromomethane	ug/L	ND	20	15.3	77	15-152	v3
Carbon tetrachloride	ug/L	ND	20	23.3	117	70-143	
Chlorobenzene	ug/L	6.1	20	28.3	111	70-138	
Chloroethane	ug/L	ND	20	22.3	112	52-163	
Chloroform	ug/L	ND	20	22.6	113	70-139	
Chloromethane	ug/L	ND	20	18.0	90	41-139	
cis-1,2-Dichloroethene	ug/L	2.9	20	24.9	110	70-141	
cis-1,3-Dichloropropene	ug/L	ND	20	21.1	105	70-137	
Dibromochloromethane	ug/L	ND	20	20.5	102	70-134	
Dibromomethane	ug/L	ND	20	22.0	110	70-138	
Dichlorodifluoromethane	ug/L	ND	20	23.7	119	47-155	
Diisopropyl ether	ug/L	ND	20	19.1	96	63-144	
Ethylbenzene	ug/L	ND	20	22.3	112	66-153	
Hexachloro-1,3-butadiene	ug/L	ND	20	23.2	116	65-149	
m&p-Xylene	ug/L	ND	40	43.8	109	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	20.0	100	54-156	
Methylene Chloride	ug/L	ND	20	22.1	109	42-159	
Naphthalene	ug/L	ND	20	22.4	110	61-148	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

MATRIX SPIKE SAMPLE: 4169046

Parameter	Units	92691599001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	ND	20	21.7	107	70-148	
p-Isopropyltoluene	ug/L	ND	20	21.9	110	70-146	
Styrene	ug/L	ND	20	21.2	106	70-135	
Tetrachloroethene	ug/L	9.4	20	32.5	115	59-143	
Toluene	ug/L	ND	20	21.8	108	59-148	
trans-1,2-Dichloroethene	ug/L	ND	20	22.6	113	70-146	
trans-1,3-Dichloropropene	ug/L	ND	20	20.9	105	70-135	
Trichloroethene	ug/L	0.81J	20	24.6	119	70-147	
Trichlorofluoromethane	ug/L	ND	20	25.1	125	70-148	
Vinyl acetate	ug/L	ND	40	36.1	90	49-151	
Vinyl chloride	ug/L	ND	20	17.7	88	70-156	
Xylene (Total)	ug/L	ND	60	65.5	109	63-158	
1,2-Dichloroethane-d4 (S)	%				104	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 4169047

Parameter	Units	92691599002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	7.6	7.7	1	30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

SAMPLE DUPLICATE: 4169047

Parameter	Units	92691599002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	v2
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	4.4	4.6	5	30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	97	96			
4-Bromofluorobenzene (S)	%	97	98			
Toluene-d8 (S)	%	100	107			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

QC Batch: 804511
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D 5035A 5030B SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92690805002, 92690805003, 92690805006

METHOD BLANK: 4166412 Matrix: Solid
Associated Lab Samples: 92690805002, 92690805003, 92690805006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	10/05/23 13:04	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	10/05/23 13:04	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	10/05/23 13:04	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	10/05/23 13:04	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	10/05/23 13:04	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	10/05/23 13:04	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	10/05/23 13:04	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	10/05/23 13:04	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	10/05/23 13:04	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	10/05/23 13:04	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	3.0	10/05/23 13:04	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	10/05/23 13:04	IK
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	10/05/23 13:04	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	10/05/23 13:04	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	10/05/23 13:04	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	10/05/23 13:04	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	10/05/23 13:04	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	10/05/23 13:04	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	10/05/23 13:04	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	10/05/23 13:04	
2,2-Dichloropropane	ug/kg	ND	5.0	3.8	10/05/23 13:04	
2-Butanone (MEK)	ug/kg	ND	100	24.0	10/05/23 13:04	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	10/05/23 13:04	
2-Hexanone	ug/kg	ND	50.0	4.8	10/05/23 13:04	
4-Chlorotoluene	ug/kg	ND	5.0	2.8	10/05/23 13:04	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	10/05/23 13:04	
Acetone	ug/kg	ND	100	32.1	10/05/23 13:04	
Benzene	ug/kg	ND	5.0	2.0	10/05/23 13:04	
Bromobenzene	ug/kg	ND	5.0	1.6	10/05/23 13:04	
Bromochloromethane	ug/kg	ND	5.0	1.5	10/05/23 13:04	
Bromodichloromethane	ug/kg	ND	5.0	1.9	10/05/23 13:04	
Bromoform	ug/kg	ND	5.0	1.8	10/05/23 13:04	
Bromomethane	ug/kg	ND	20.0	15.5	10/05/23 13:04	v1
Carbon tetrachloride	ug/kg	ND	5.0	1.9	10/05/23 13:04	
Chlorobenzene	ug/kg	ND	5.0	2.9	10/05/23 13:04	
Chloroethane	ug/kg	ND	10.0	3.9	10/05/23 13:04	
Chloroform	ug/kg	ND	5.0	4.2	10/05/23 13:04	
Chloromethane	ug/kg	ND	10.0	4.2	10/05/23 13:04	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	10/05/23 13:04	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	10/05/23 13:04	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

METHOD BLANK: 4166412 Matrix: Solid
Associated Lab Samples: 92690805002, 92690805003, 92690805006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	5.0	2.8	10/05/23 13:04	
Dibromomethane	ug/kg	ND	5.0	1.1	10/05/23 13:04	v1
Dichlorodifluoromethane	ug/kg	ND	10.0	5.1	10/05/23 13:04	IH,IK,v1
Diisopropyl ether	ug/kg	ND	5.0	1.4	10/05/23 13:04	
Ethylbenzene	ug/kg	ND	5.0	2.3	10/05/23 13:04	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	10/05/23 13:04	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	10/05/23 13:04	
m&p-Xylene	ug/kg	ND	10.0	3.4	10/05/23 13:04	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	10/05/23 13:04	
Methylene Chloride	ug/kg	ND	20.0	13.7	10/05/23 13:04	
n-Butylbenzene	ug/kg	ND	5.0	3.2	10/05/23 13:04	
n-Propylbenzene	ug/kg	ND	5.0	1.8	10/05/23 13:04	
Naphthalene	ug/kg	ND	5.0	2.6	10/05/23 13:04	
o-Xylene	ug/kg	ND	5.0	2.2	10/05/23 13:04	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	10/05/23 13:04	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	10/05/23 13:04	
Styrene	ug/kg	ND	5.0	1.3	10/05/23 13:04	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	10/05/23 13:04	
Tetrachloroethene	ug/kg	ND	5.0	1.6	10/05/23 13:04	
Toluene	ug/kg	ND	5.0	3.4	10/05/23 13:04	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	4.2	10/05/23 13:04	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	10/05/23 13:04	
Trichloroethene	ug/kg	ND	5.0	4.0	10/05/23 13:04	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	10/05/23 13:04	v1
Vinyl acetate	ug/kg	ND	50.0	10.3	10/05/23 13:04	
Vinyl chloride	ug/kg	ND	10.0	2.5	10/05/23 13:04	
Xylene (Total)	ug/kg	ND	10.0	2.8	10/05/23 13:04	
1,2-Dichloroethane-d4 (S)	%	105	70-130		10/05/23 13:04	
4-Bromofluorobenzene (S)	%	103	70-130		10/05/23 13:04	
Toluene-d8 (S)	%	100	70-130		10/05/23 13:04	

LABORATORY CONTROL SAMPLE: 4166413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	500	571	114	70-130	
1,1,1-Trichloroethane	ug/kg	500	542	108	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	500	544	109	70-130	
1,1,2-Trichloroethane	ug/kg	500	568	114	70-130	
1,1-Dichloroethane	ug/kg	500	494	99	70-130	
1,1-Dichloroethene	ug/kg	500	532	106	70-132	
1,1-Dichloropropene	ug/kg	500	551	110	70-130	
1,2,3-Trichlorobenzene	ug/kg	500	521	104	62-136	
1,2,3-Trichloropropane	ug/kg	500	511	102	70-130	
1,2,4-Trichlorobenzene	ug/kg	500	525	105	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

LABORATORY CONTROL SAMPLE: 4166413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	500	545	109	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	500	563	113	65-130	IK
1,2-Dibromoethane (EDB)	ug/kg	500	561	112	70-130	
1,2-Dichlorobenzene	ug/kg	500	542	108	70-130	
1,2-Dichloroethane	ug/kg	500	476	95	70-130	
1,2-Dichloropropane	ug/kg	500	499	100	70-130	
1,3,5-Trimethylbenzene	ug/kg	500	550	110	70-130	
1,3-Dichlorobenzene	ug/kg	500	550	110	70-130	
1,3-Dichloropropane	ug/kg	500	511	102	70-130	
1,4-Dichlorobenzene	ug/kg	500	529	106	70-130	
2,2-Dichloropropane	ug/kg	500	520	104	60-130	
2-Butanone (MEK)	ug/kg	1000	933	93	66-130	
2-Chlorotoluene	ug/kg	500	533	107	70-130	
2-Hexanone	ug/kg	1000	983	98	68-130	
4-Chlorotoluene	ug/kg	500	537	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	1000	938	94	70-130	
Acetone	ug/kg	1000	896	90	60-130	
Benzene	ug/kg	500	501	100	70-130	
Bromobenzene	ug/kg	500	546	109	70-130	
Bromochloromethane	ug/kg	500	562	112	70-130	
Bromodichloromethane	ug/kg	500	523	105	70-130	
Bromoform	ug/kg	500	596	119	70-130	
Bromomethane	ug/kg	500	726	145	43-175	v1
Carbon tetrachloride	ug/kg	500	600	120	70-130	
Chlorobenzene	ug/kg	500	531	106	70-130	
Chloroethane	ug/kg	500	574	115	70-145	
Chloroform	ug/kg	500	515	103	70-130	
Chloromethane	ug/kg	500	524	105	66-146	
cis-1,2-Dichloroethene	ug/kg	500	504	101	70-130	
cis-1,3-Dichloropropene	ug/kg	500	492	98	70-130	
Dibromochloromethane	ug/kg	500	588	118	70-130	
Dibromomethane	ug/kg	500	613	123	70-130	v1
Dichlorodifluoromethane	ug/kg	500	1370	274	42-197	IH,IK,L1,v1
Diisopropyl ether	ug/kg	500	447	89	68-130	
Ethylbenzene	ug/kg	500	492	98	70-130	
Hexachloro-1,3-butadiene	ug/kg	500	558	112	70-130	
Isopropylbenzene (Cumene)	ug/kg	500	587	117	70-130	
m&p-Xylene	ug/kg	1000	1080	108	70-130	
Methyl-tert-butyl ether	ug/kg	500	435	87	70-130	
Methylene Chloride	ug/kg	500	456	91	65-130	
n-Butylbenzene	ug/kg	500	556	111	70-130	
n-Propylbenzene	ug/kg	500	520	104	70-130	
Naphthalene	ug/kg	500	566	113	65-135	
o-Xylene	ug/kg	500	580	116	70-130	
p-Isopropyltoluene	ug/kg	500	576	115	70-130	
sec-Butylbenzene	ug/kg	500	549	110	70-130	
Styrene	ug/kg	500	586	117	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

LABORATORY CONTROL SAMPLE: 4166413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	500	528	106	70-130	
Tetrachloroethene	ug/kg	500	581	116	70-130	
Toluene	ug/kg	500	533	107	70-130	
trans-1,2-Dichloroethene	ug/kg	500	498	100	70-130	
trans-1,3-Dichloropropene	ug/kg	500	495	99	70-130	
Trichloroethene	ug/kg	500	568	114	70-130	
Trichlorofluoromethane	ug/kg	500	669	134	62-140	v1
Vinyl acetate	ug/kg	1000	917	92	70-140	
Vinyl chloride	ug/kg	500	556	111	70-152	
Xylene (Total)	ug/kg	1500	1660	111	70-130	
1,2-Dichloroethane-d4 (S)	%			86	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 4166414

Parameter	Units	92690905001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	616	728	118	22-166	
1,1,1-Trichloroethane	ug/kg	ND	616	728	118	23-172	
1,1,2,2-Tetrachloroethane	ug/kg	ND	616	664	108	21-158	
1,1,2-Trichloroethane	ug/kg	ND	616	718	116	25-160	
1,1-Dichloroethane	ug/kg	ND	616	659	107	22-166	
1,1-Dichloroethene	ug/kg	ND	616	757	123	18-183	
1,1-Dichloropropene	ug/kg	ND	616	757	123	20-181	
1,2,3-Trichlorobenzene	ug/kg	ND	616	610	99	10-161	
1,2,3-Trichloropropane	ug/kg	ND	616	622	101	21-147	
1,2,4-Trichlorobenzene	ug/kg	ND	616	640	104	10-159	
1,2,4-Trimethylbenzene	ug/kg	ND	616	680	110	17-170	
1,2-Dibromo-3-chloropropane	ug/kg	ND	616	592	96	10-135	IK
1,2-Dibromoethane (EDB)	ug/kg	ND	616	668	108	30-154	
1,2-Dichlorobenzene	ug/kg	ND	616	671	109	26-162	
1,2-Dichloroethane	ug/kg	ND	616	642	104	23-161	
1,2-Dichloropropane	ug/kg	ND	616	668	108	29-165	
1,3,5-Trimethylbenzene	ug/kg	ND	616	691	112	20-172	
1,3-Dichlorobenzene	ug/kg	ND	616	677	110	22-164	
1,3-Dichloropropane	ug/kg	ND	616	638	103	27-156	
1,4-Dichlorobenzene	ug/kg	ND	616	657	107	20-161	
2,2-Dichloropropane	ug/kg	ND	616	677	110	10-159	
2-Butanone (MEK)	ug/kg	ND	1230	1180	96	13-143	
2-Chlorotoluene	ug/kg	ND	616	680	110	21-166	
2-Hexanone	ug/kg	ND	1230	1180	95	19-145	
4-Chlorotoluene	ug/kg	ND	616	681	110	19-163	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1230	1180	96	21-151	
Acetone	ug/kg	ND	1230	1060	86	10-133	
Benzene	ug/kg	ND	616	673	109	29-156	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

MATRIX SPIKE SAMPLE: 4166414

Parameter	Units	92690905001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/kg	ND	616	666	108	25-161	
Bromochloromethane	ug/kg	ND	616	722	117	27-158	
Bromodichloromethane	ug/kg	ND	616	664	108	23-158	
Bromoform	ug/kg	ND	616	684	111	19-152	
Bromomethane	ug/kg	ND	616	446	72	10-152	v1
Carbon tetrachloride	ug/kg	ND	616	770	125	18-172	
Chlorobenzene	ug/kg	ND	616	673	109	26-166	
Chloroethane	ug/kg	ND	616	372	60	10-130	
Chloroform	ug/kg	ND	616	687	111	25-161	
Chloromethane	ug/kg	ND	616	718	116	27-197	
cis-1,2-Dichloroethene	ug/kg	ND	616	667	108	28-165	
cis-1,3-Dichloropropene	ug/kg	ND	616	634	103	23-159	
Dibromochloromethane	ug/kg	ND	616	696	113	21-151	
Dibromomethane	ug/kg	ND	616	725	118	38-158	v1
Dichlorodifluoromethane	ug/kg	ND	616	1800	291	10-200	IH,IK,M0,v1
Diisopropyl ether	ug/kg	ND	616	592	96	23-160	
Ethylbenzene	ug/kg	ND	616	642	104	22-163	
Hexachloro-1,3-butadiene	ug/kg	ND	616	711	115	10-192	
Isopropylbenzene (Cumene)	ug/kg	ND	616	763	124	24-173	
m&p-Xylene	ug/kg	ND	1230	1420	115	22-171	
Methyl-tert-butyl ether	ug/kg	ND	616	561	91	25-153	
Methylene Chloride	ug/kg	ND	616	648	105	10-165	
n-Butylbenzene	ug/kg	ND	616	721	117	10-186	
n-Propylbenzene	ug/kg	ND	616	668	108	16-171	
Naphthalene	ug/kg	ND	616	633	103	10-159	
o-Xylene	ug/kg	ND	616	747	121	23-171	
p-Isopropyltoluene	ug/kg	ND	616	745	121	13-184	
sec-Butylbenzene	ug/kg	ND	616	730	118	16-182	
Styrene	ug/kg	ND	616	735	119	25-169	
tert-Butylbenzene	ug/kg	ND	616	639	104	20-174	
Tetrachloroethene	ug/kg	ND	616	706	115	14-171	
Toluene	ug/kg	ND	616	693	112	24-166	
trans-1,2-Dichloroethene	ug/kg	ND	616	674	109	24-170	
trans-1,3-Dichloropropene	ug/kg	ND	616	632	102	22-157	
Trichloroethene	ug/kg	ND	616	737	120	23-176	
Trichlorofluoromethane	ug/kg	ND	616	638	103	10-138	v1
Vinyl acetate	ug/kg	ND	1230	1200	97	11-166	
Vinyl chloride	ug/kg	ND	616	663	108	21-200	
Xylene (Total)	ug/kg	ND	1850	2170	117	23-170	
1,2-Dichloroethane-d4 (S)	%				95	70-130	
4-Bromofluorobenzene (S)	%				104	70-130	
Toluene-d8 (S)	%				98	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

SAMPLE DUPLICATE: 4166415

Parameter	Units	92690905002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	IK
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	v1
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	v1
Dichlorodifluoromethane	ug/kg	ND	ND		30	IH,IK,v1
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

SAMPLE DUPLICATE: 4166415

Parameter	Units	92690905002 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	8.4	5.6J		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	v1
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	102	101			
4-Bromofluorobenzene (S)	%	106	105			
Toluene-d8 (S)	%	99	98			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

QC Batch: 804524
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260D
Analysis Description: 8260D 5035A 5030B SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92690805007

METHOD BLANK: 4166643 Matrix: Solid
Associated Lab Samples: 92690805007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	1.9	10/06/23 00:58	
1,1,1-Trichloroethane	ug/kg	ND	5.0	2.6	10/06/23 00:58	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	1.3	10/06/23 00:58	
1,1,2-Trichloroethane	ug/kg	ND	5.0	1.7	10/06/23 00:58	
1,1-Dichloroethane	ug/kg	ND	5.0	2.1	10/06/23 00:58	
1,1-Dichloroethene	ug/kg	ND	5.0	2.1	10/06/23 00:58	
1,1-Dichloropropene	ug/kg	ND	5.0	2.4	10/06/23 00:58	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	4.0	10/06/23 00:58	
1,2,3-Trichloropropane	ug/kg	ND	5.0	2.5	10/06/23 00:58	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	4.2	10/06/23 00:58	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	3.0	10/06/23 00:58	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	1.9	10/06/23 00:58	IK
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	2.2	10/06/23 00:58	
1,2-Dichlorobenzene	ug/kg	ND	5.0	1.8	10/06/23 00:58	
1,2-Dichloroethane	ug/kg	ND	5.0	3.3	10/06/23 00:58	
1,2-Dichloropropane	ug/kg	ND	5.0	1.5	10/06/23 00:58	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	10/06/23 00:58	
1,3-Dichlorobenzene	ug/kg	ND	5.0	1.6	10/06/23 00:58	
1,3-Dichloropropane	ug/kg	ND	5.0	1.6	10/06/23 00:58	
1,4-Dichlorobenzene	ug/kg	ND	5.0	1.3	10/06/23 00:58	
2,2-Dichloropropane	ug/kg	ND	5.0	3.8	10/06/23 00:58	
2-Butanone (MEK)	ug/kg	ND	100	24.0	10/06/23 00:58	
2-Chlorotoluene	ug/kg	ND	5.0	1.8	10/06/23 00:58	
2-Hexanone	ug/kg	ND	50.0	4.8	10/06/23 00:58	
4-Chlorotoluene	ug/kg	ND	5.0	2.8	10/06/23 00:58	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	4.8	10/06/23 00:58	
Acetone	ug/kg	ND	100	32.1	10/06/23 00:58	
Benzene	ug/kg	ND	5.0	2.0	10/06/23 00:58	
Bromobenzene	ug/kg	ND	5.0	1.6	10/06/23 00:58	
Bromochloromethane	ug/kg	ND	5.0	1.5	10/06/23 00:58	
Bromodichloromethane	ug/kg	ND	5.0	1.9	10/06/23 00:58	
Bromoform	ug/kg	ND	5.0	1.8	10/06/23 00:58	
Bromomethane	ug/kg	ND	20.0	15.5	10/06/23 00:58	v1
Carbon tetrachloride	ug/kg	ND	5.0	1.9	10/06/23 00:58	
Chlorobenzene	ug/kg	ND	5.0	2.9	10/06/23 00:58	
Chloroethane	ug/kg	ND	10.0	3.9	10/06/23 00:58	v1
Chloroform	ug/kg	ND	5.0	4.2	10/06/23 00:58	
Chloromethane	ug/kg	ND	10.0	4.2	10/06/23 00:58	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	1.7	10/06/23 00:58	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	1.4	10/06/23 00:58	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

METHOD BLANK: 4166643 Matrix: Solid
Associated Lab Samples: 92690805007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	5.0	2.8	10/06/23 00:58	
Dibromomethane	ug/kg	ND	5.0	1.1	10/06/23 00:58	
Dichlorodifluoromethane	ug/kg	ND	10.0	5.1	10/06/23 00:58	IH,IK,v1
Diisopropyl ether	ug/kg	ND	5.0	1.4	10/06/23 00:58	
Ethylbenzene	ug/kg	ND	5.0	2.3	10/06/23 00:58	
Hexachloro-1,3-butadiene	ug/kg	ND	10.0	8.2	10/06/23 00:58	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	10/06/23 00:58	
m&p-Xylene	ug/kg	ND	10.0	3.4	10/06/23 00:58	
Methyl-tert-butyl ether	ug/kg	ND	5.0	1.9	10/06/23 00:58	
Methylene Chloride	ug/kg	ND	20.0	13.7	10/06/23 00:58	
n-Butylbenzene	ug/kg	ND	5.0	3.2	10/06/23 00:58	
n-Propylbenzene	ug/kg	ND	5.0	1.8	10/06/23 00:58	
Naphthalene	ug/kg	ND	5.0	2.6	10/06/23 00:58	
o-Xylene	ug/kg	ND	5.0	2.2	10/06/23 00:58	
p-Isopropyltoluene	ug/kg	ND	5.0	2.5	10/06/23 00:58	
sec-Butylbenzene	ug/kg	ND	5.0	2.2	10/06/23 00:58	
Styrene	ug/kg	ND	5.0	1.3	10/06/23 00:58	
tert-Butylbenzene	ug/kg	ND	5.0	1.8	10/06/23 00:58	
Tetrachloroethene	ug/kg	ND	5.0	1.6	10/06/23 00:58	
Toluene	ug/kg	ND	5.0	3.4	10/06/23 00:58	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	4.2	10/06/23 00:58	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	1.7	10/06/23 00:58	
Trichloroethene	ug/kg	ND	5.0	4.0	10/06/23 00:58	
Trichlorofluoromethane	ug/kg	ND	5.0	2.8	10/06/23 00:58	v1
Vinyl acetate	ug/kg	ND	50.0	10.3	10/06/23 00:58	
Vinyl chloride	ug/kg	ND	10.0	2.5	10/06/23 00:58	v1
Xylene (Total)	ug/kg	ND	10.0	2.8	10/06/23 00:58	
1,2-Dichloroethane-d4 (S)	%	114	70-130		10/06/23 00:58	
4-Bromofluorobenzene (S)	%	105	70-130		10/06/23 00:58	
Toluene-d8 (S)	%	102	70-130		10/06/23 00:58	

LABORATORY CONTROL SAMPLE: 4166644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	500	565	113	70-130	
1,1,1-Trichloroethane	ug/kg	500	574	115	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	500	552	110	70-130	
1,1,2-Trichloroethane	ug/kg	500	563	113	70-130	
1,1-Dichloroethane	ug/kg	500	520	104	70-130	
1,1-Dichloroethene	ug/kg	500	568	114	70-132	
1,1-Dichloropropene	ug/kg	500	572	114	70-130	
1,2,3-Trichlorobenzene	ug/kg	500	484	97	62-136	
1,2,3-Trichloropropane	ug/kg	500	503	101	70-130	
1,2,4-Trichlorobenzene	ug/kg	500	478	96	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

LABORATORY CONTROL SAMPLE: 4166644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	500	550	110	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	500	525	105	65-130	IK
1,2-Dibromoethane (EDB)	ug/kg	500	541	108	70-130	
1,2-Dichlorobenzene	ug/kg	500	529	106	70-130	
1,2-Dichloroethane	ug/kg	500	513	103	70-130	
1,2-Dichloropropane	ug/kg	500	525	105	70-130	
1,3,5-Trimethylbenzene	ug/kg	500	560	112	70-130	
1,3-Dichlorobenzene	ug/kg	500	557	111	70-130	
1,3-Dichloropropane	ug/kg	500	511	102	70-130	
1,4-Dichlorobenzene	ug/kg	500	516	103	70-130	
2,2-Dichloropropane	ug/kg	500	532	106	60-130	
2-Butanone (MEK)	ug/kg	1000	942	94	66-130	
2-Chlorotoluene	ug/kg	500	555	111	70-130	
2-Hexanone	ug/kg	1000	985	99	68-130	
4-Chlorotoluene	ug/kg	500	548	110	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	1000	975	98	70-130	
Acetone	ug/kg	1000	923	92	60-130	
Benzene	ug/kg	500	517	103	70-130	
Bromobenzene	ug/kg	500	541	108	70-130	
Bromochloromethane	ug/kg	500	557	111	70-130	
Bromodichloromethane	ug/kg	500	514	103	70-130	
Bromoform	ug/kg	500	567	113	70-130	
Bromomethane	ug/kg	500	760	152	43-175	v1
Carbon tetrachloride	ug/kg	500	585	117	70-130	
Chlorobenzene	ug/kg	500	542	108	70-130	
Chloroethane	ug/kg	500	632	126	70-145	v1
Chloroform	ug/kg	500	544	109	70-130	
Chloromethane	ug/kg	500	568	114	66-146	
cis-1,2-Dichloroethene	ug/kg	500	528	106	70-130	
cis-1,3-Dichloropropene	ug/kg	500	494	99	70-130	
Dibromochloromethane	ug/kg	500	562	112	70-130	
Dibromomethane	ug/kg	500	563	113	70-130	
Dichlorodifluoromethane	ug/kg	500	1240	249	42-197	IH,IK,L1,v1
Diisopropyl ether	ug/kg	500	466	93	68-130	
Ethylbenzene	ug/kg	500	506	101	70-130	
Hexachloro-1,3-butadiene	ug/kg	500	500	100	70-130	
Isopropylbenzene (Cumene)	ug/kg	500	597	119	70-130	
m&p-Xylene	ug/kg	1000	1100	110	70-130	
Methyl-tert-butyl ether	ug/kg	500	436	87	70-130	
Methylene Chloride	ug/kg	500	495	99	65-130	
n-Butylbenzene	ug/kg	500	561	112	70-130	
n-Propylbenzene	ug/kg	500	539	108	70-130	
Naphthalene	ug/kg	500	537	107	65-135	
o-Xylene	ug/kg	500	592	118	70-130	
p-Isopropyltoluene	ug/kg	500	581	116	70-130	
sec-Butylbenzene	ug/kg	500	568	114	70-130	
Styrene	ug/kg	500	591	118	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

LABORATORY CONTROL SAMPLE: 4166644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/kg	500	517	103	70-130	
Tetrachloroethene	ug/kg	500	557	111	70-130	
Toluene	ug/kg	500	543	109	70-130	
trans-1,2-Dichloroethene	ug/kg	500	542	108	70-130	
trans-1,3-Dichloropropene	ug/kg	500	501	100	70-130	
Trichloroethene	ug/kg	500	564	113	70-130	
Trichlorofluoromethane	ug/kg	500	654	131	62-140	v1
Vinyl acetate	ug/kg	1000	944	94	70-140	
Vinyl chloride	ug/kg	500	608	122	70-152	v1
Xylene (Total)	ug/kg	1500	1690	113	70-130	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 4166645

Parameter	Units	92690805007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	688	772	112	22-166	
1,1,1-Trichloroethane	ug/kg	ND	688	806	117	23-172	
1,1,2,2-Tetrachloroethane	ug/kg	ND	688	739	108	21-158	
1,1,2-Trichloroethane	ug/kg	ND	688	770	112	25-160	
1,1-Dichloroethane	ug/kg	ND	688	726	106	22-166	
1,1-Dichloroethene	ug/kg	ND	688	827	120	18-183	
1,1-Dichloropropene	ug/kg	ND	688	832	121	20-181	
1,2,3-Trichlorobenzene	ug/kg	ND	688	661	96	10-161	
1,2,3-Trichloropropane	ug/kg	ND	688	680	99	21-147	
1,2,4-Trichlorobenzene	ug/kg	ND	688	697	101	10-159	
1,2,4-Trimethylbenzene	ug/kg	ND	688	770	112	17-170	
1,2-Dibromo-3-chloropropane	ug/kg	ND	688	692	101	10-135	IK
1,2-Dibromoethane (EDB)	ug/kg	ND	688	743	108	30-154	
1,2-Dichlorobenzene	ug/kg	ND	688	745	108	26-162	
1,2-Dichloroethane	ug/kg	ND	688	687	100	23-161	
1,2-Dichloropropane	ug/kg	ND	688	724	105	29-165	
1,3,5-Trimethylbenzene	ug/kg	ND	688	771	112	20-172	
1,3-Dichlorobenzene	ug/kg	ND	688	751	109	22-164	
1,3-Dichloropropane	ug/kg	ND	688	704	102	27-156	
1,4-Dichlorobenzene	ug/kg	ND	688	739	108	20-161	
2,2-Dichloropropane	ug/kg	ND	688	747	109	10-159	
2-Butanone (MEK)	ug/kg	ND	1370	1270	93	13-143	
2-Chlorotoluene	ug/kg	ND	688	756	110	21-166	
2-Hexanone	ug/kg	ND	1370	1320	96	19-145	
4-Chlorotoluene	ug/kg	ND	688	762	111	19-163	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1370	1330	97	21-151	
Acetone	ug/kg	55.8J	1370	1420	99	10-133	
Benzene	ug/kg	ND	688	729	106	29-156	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

MATRIX SPIKE SAMPLE: 4166645

Parameter	Units	92690805007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/kg	ND	688	732	106	25-161	
Bromochloromethane	ug/kg	ND	688	774	113	27-158	
Bromodichloromethane	ug/kg	ND	688	720	105	23-158	
Bromoform	ug/kg	ND	688	768	112	19-152	
Bromomethane	ug/kg	ND	688	522	76	10-152	v1
Carbon tetrachloride	ug/kg	ND	688	870	127	18-172	
Chlorobenzene	ug/kg	ND	688	751	109	26-166	
Chloroethane	ug/kg	ND	688	397	58	10-130	v1
Chloroform	ug/kg	ND	688	742	108	25-161	
Chloromethane	ug/kg	ND	688	770	112	27-197	
cis-1,2-Dichloroethene	ug/kg	ND	688	741	108	28-165	
cis-1,3-Dichloropropene	ug/kg	ND	688	676	98	23-159	
Dibromochloromethane	ug/kg	ND	688	770	112	21-151	
Dibromomethane	ug/kg	ND	688	788	115	38-158	
Dichlorodifluoromethane	ug/kg	ND	688	1990	290	10-200	IH,IK,M0,v1
Diisopropyl ether	ug/kg	ND	688	641	93	23-160	
Ethylbenzene	ug/kg	ND	688	701	102	22-163	
Hexachloro-1,3-butadiene	ug/kg	ND	688	816	119	10-192	
Isopropylbenzene (Cumene)	ug/kg	ND	688	864	126	24-173	
m&p-Xylene	ug/kg	ND	1370	1580	115	22-171	
Methyl-tert-butyl ether	ug/kg	ND	688	610	89	25-153	
Methylene Chloride	ug/kg	65.5	688	771	103	10-165	
n-Butylbenzene	ug/kg	ND	688	819	119	10-186	
n-Propylbenzene	ug/kg	ND	688	750	109	16-171	
Naphthalene	ug/kg	ND	688	717	104	10-159	
o-Xylene	ug/kg	ND	688	825	120	23-171	
p-Isopropyltoluene	ug/kg	ND	688	829	121	13-184	
sec-Butylbenzene	ug/kg	ND	688	799	116	16-182	
Styrene	ug/kg	62.4	688	887	120	25-169	
tert-Butylbenzene	ug/kg	ND	688	727	106	20-174	
Tetrachloroethene	ug/kg	ND	688	776	113	14-171	
Toluene	ug/kg	5.5J	688	762	110	24-166	
trans-1,2-Dichloroethene	ug/kg	ND	688	745	108	24-170	
trans-1,3-Dichloropropene	ug/kg	ND	688	690	100	22-157	
Trichloroethene	ug/kg	ND	688	821	119	23-176	
Trichlorofluoromethane	ug/kg	ND	688	650	95	10-138	v1
Vinyl acetate	ug/kg	ND	1370	869	63	11-166	
Vinyl chloride	ug/kg	ND	688	726	106	21-200	v1
Xylene (Total)	ug/kg	ND	2060	2410	117	23-170	
1,2-Dichloroethane-d4 (S)	%				93	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				97	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

SAMPLE DUPLICATE: 4166646

Parameter	Units	92691348001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	IK
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	v1
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	v1
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	IH,IK,v1
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

SAMPLE DUPLICATE: 4166646

Parameter	Units	92691348001 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	0.030 mg/kg	35.3	18	30	C9
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	4.5J		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	v1
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	v1
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	109	106			
4-Bromofluorobenzene (S)	%	104	105			
Toluene-d8 (S)	%	100	100			

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

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry, SC
Pace Project No.: 92690805

QC Batch: 803572
QC Batch Method: SW-846
Analysis Method: SW-846
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92690805002, 92690805003, 92690805006, 92690805007

SAMPLE DUPLICATE: 4161987

Parameter	Units	92690812061 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.9	10.6	11	25	N2

SAMPLE DUPLICATE: 4161988

Parameter	Units	92690805007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.2	7.9	5	25	N2

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

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Newberry, SC
Pace Project No.: 92690805

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.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

C9	Common Laboratory Contaminant.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IK	The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Newberry, SC
Pace Project No.: 92690805

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92690805001	**TMW-31**	EPA 8260D	805068		
92690805004	**ISCO-OBSW-1S**	EPA 8260D	805068		
92690805005	**TB-1**	EPA 8260D	803832		
92690805002	**VP-4**	EPA 5035A/5030B	804511	EPA 8260D	804575
92690805003	**VP-5**	EPA 5035A/5030B	804511	EPA 8260D	804575
92690805006	**VP-6**	EPA 5035A/5030B	804511	EPA 8260D	804575
92690805007	**VP-7**	EPA 5035A/5030B	804524	EPA 8260D	804574
92690805002	**VP-4**	SW-846	803572		
92690805003	**VP-5**	SW-846	803572		
92690805006	**VP-6**	SW-846	803572		
92690805007	**VP-7**	SW-846	803572		

Pace	DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt
	Effective Date: 11/14/2022 8:18:30 AM

Laboratory receiving samples:
Asheville ☑ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mer ☐ ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project #:

WO# : 92690805

92690805

Courier: ☐ Commercial ☑ Fed-Ex ☐ UPS ☐ USPS ☑ Pace ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Date/Initials Person Examining Contents: 9/29/23

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

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 93T082 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.1 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.1

USDA Regulated Soil (☑ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☑ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

				Comments/Discrepancy:
Chain of Custody Present?	☐ Yes	☐ No	☑ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: SL/WT	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022 8:18:30 AM

WO# : 92690805

PM: BV Due Date: 10/16/23

CLIENT: 92-AECOM-SC

Project #

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																3													
2																							1						
3																							1						
4																3													
5																2													
6																							1						
7																							1						
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

92690 EDS

Company Name:	AECOM, SC	Contact/Report To:	Dave Oliphant
Street Address:	10 Patewood Drive, Greenville, SC 29615	Phone #:	(864)244-6380
		E-Mail:	dave.oliphant@aecom.com
		Cc E-Mail:	
Customer Project #:		Invoice To:	Accounts Payable
Project Name:	Newberry , SC	Invoice E-Mail:	usapimaging@aecom.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): South Carolina

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____
Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [✓] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Specify Container Size **: 6 9 m
Identify Container Preservative Type***: 4 1 10

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40ml vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	Trip Blank	VOC by 8260	VOC by 8260	VOC by 8260	Sample Comment
TMW-31	WT	G	9/29/23	0930				-	3		X	[redacted]		W1
VP-4	SS	1	9/28/23	1730				1	2		[redacted]	X	X	W2
VP-5	SS	1	1	1710				1	2		[redacted]	X	X	W3
ISCO-OBSW-1S	WT		9/29/23	1000					3		X	[redacted]		W4
TB-1	WT		1	0930					2	X				W5
VP-6	SS		9/28/23	1702				1	2		[redacted]	X	X	W6
VP-7	SS	1	1	1740				1	2		[redacted]	X	X	W7

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 5863
Prelog / Bottle Ord. ID: EZ 3007179

Preservation non-conformance identified for sample.

Customer Remarks / Special Conditions / Possible Hazards:

Collected By: Trevor Brown
Printed Name:
Signature: Trevor Brown

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
	93T082	0	2.1	2.1

Relinquished by/Company: (Signature)	Date/Time: 9/29/23 1155	Received by/Company: (Signature)	Date/Time: 9-29-23 1155	Tracking Number:
Relinquished by/Company: (Signature) Raleigh Sisolak	Date/Time: 9/29/23 15:50	Received by/Company: (Signature)	Date/Time: 9/29/23 15:50	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Attachment 6

Seismic Geophysical Summary Report –Assessment of November 2023

AECOM
12420 Milestone Center Drive
Suite 150
Germantown, MD 20876
www.aecom.com

301 250 2934 tel
301 820 3009 fax

January 3, 2024

Via Email
Mr. Scott Ross, P.G.
Project Manager II, Environment
AECOM
101 Research Drive
Columbia, South Carolina 29203

Subject: **Geophysical Investigation Report**
Seismic Refraction and MASW Surveys
Shakespeare Composition Structures
Newberry, South Carolina

Dear Mr. Ross:

The AECOM Germantown, Maryland office (AECOM-GTN) is pleased to present this report on the findings of the geophysical investigation conducted in support of the Shakespeare Composition Structures environmental assessments. The primary objective of the geophysical surveys was to assist in evaluating bedrock topography across the site to aid in the evaluation of groundwater flow.

SITE DESCRIPTION

The Shakespeare Composition Structures site is located in Newberry County, South Carolina approximately 3 miles northwest of downtown area of the city of Newberry. The site is a manufacturing facility that occupies an approximately 22 acre area bounded to the south by U.S. 76 and to the north by railroad tracks of CSX Transportation as shown on Figure 1. The facility is currently operated by Valmont for the manufacturing composite light poles under their Shakespeare brand.

Surface conditions varied across the site from low cut lawns, paved and graveled covered surfaces and wooded areas. The terrain across the site is consisted of mostly flat surfaces. Data was generally collected in east to west and north to south orientations. A detailed summary of the geophysical methods utilized for each line can be found within the Survey Method and Survey Execution sections.

Available geologic information indicates that the site is underlain by Newberry Granite of Silurian Age. The formation is described as a white and black medium grained granite which forms a large granitic body that underlies a large portion of central Newberry County.

Previously completed investigations at the site have indicated issues related to contaminate impacted groundwater. These investigations have included the installation of a series of groundwater monitoring wells as shown on Figure 1. Available information indicates that the monitoring wells penetrated though saprolite overburden soils into the underlying granitic bedrock at depths ranging from 10 feet (MW-19D) to 95 feet (MW-6D). In addition, there are two relatively small exposures of granitic bedrock located in the grass area at the front of the property (immediately adjacent to Route 78 and at the rear of the main plant building as shown of Figure 1. It is our understanding that these exposures are interpreted to be representative of intact bedrock rather than detached blocks indicative of float. This information is characteristic of a relatively irregular bedrock topography

associated with differential weathering of the underlying bedrock with grades of up to 22% indicated by an approximately 27 feet change in the Elevation of the bedrock surface over the approximately 123 feet separation distance between monitoring wells MW-2D and MW2I which is consistent with available information that indicates that the depth to bedrock ranges from 10 to 100 feet in the greater Newberry area.

SURVEY METHOD

The geophysical investigation consisted of seismic refraction and multichannel analysis of surface waves (MASW) surveys. The two methods were selected to provide flexibility to evaluate the depth to bedrock across the variable site conditions encountered at the site. Site conditions of specific concern included high ambient noise conditions associated with plant operations and vehicle traffic, unfavorable surface coverings including pavements and dense packed gravel, irregular topography, thick vegetation in undeveloped areas and surface obstructions. Details of each method are provided below.

Seismic Refraction Method

The seismic refraction method involves transmitting seismic energy into the ground and recording the arrival times of the direct and refracted compressional waves at geophones placed at known distances along the ground surface. Seismic energy travels through each subsurface layer with a characteristic compressional wave velocity that is dependent on the density, compressibility, pore space, and fluid content of the geologic material. The configuration and depths of the subsurface geologic units can be interpreted by evaluating the seismic velocities of the indicated subsurface layers.

One limitation of the seismic refraction method is that the refracting layer must be sufficiently thick to be detected. The thickness required to allow detection depends upon the layer depth, the velocity contrast between the layers, and the field parameters utilized during data acquisition.

A second limitation is that the method relies upon the assumption that the seismic velocity of each successive layer increases with the depth. That is, the method can detect a relatively hard layer (with a corresponding relatively high seismic velocity) under a relatively soft layer (with a corresponding relatively low seismic velocity). However, the method does not provide a means of determining the depth to, and seismic velocity of a lower velocity layer underlying a higher velocity layer.

A seismic refraction data collection system includes a seismograph, geophones, cables, and a seismic energy source. The seismic energy can be generated using a sledgehammer, dropped or propelled weight, explosives, or other specialized device. Selection of an appropriate seismic source for a particular study area involves consideration of the required depth of investigation, background noise levels, and the attenuation properties of the near-surface materials.

Seismic refraction surveying is generally conducted along linear transects. The geophones are placed at select distances along the line and are connected to the seismic recorder via a data cable. Vibrations generated from initiation of the seismic energy source are sensed by the geophones and translated into an electrical signal that is transmitted to and recorded by the seismograph.

The recorded data can be processed and analyzed using available interactive seismic refraction interpretation computer programs. These software programs facilitate application of topographic corrections, construction of time-distance plots, determination of apparent layer velocities, and calculation of the depths and thicknesses of subsurface layers. The interpreted results are presented on cross-section plots depicting the depths, thickness, and velocities of the indicated subsurface units. The compressional wave velocity information acquired from a seismic refraction survey can be referenced to a rippability chart developed by Caterpillar, Inc. to assess the rippability of the encountered bedrock materials. While the rippability of the bedrock may not be of specific interest relative to the environmental assessment goals of the current investigation, rippability is associated with the relative hardness and degree of weathering of the subsurface materials which may provide correlative information regarding the hydrogeologic characteristics.

MASW Method

The MASW method is a powerful tool for providing detailed soundings or profiles of seismic shear-wave velocities of subsurface layers. The MASW method involves the profiling of shear-wave velocities through analysis of the dispersion of surface waves. Dispersion refers to the principle that the velocity of a seismic surface wave varies as a function of the frequency of the waveform. The dispersive characteristics of surface waves are directly related to variations in physical properties of the underlying geologic layers. These variable physical properties include shear-wave velocity, compressional-wave velocity, density and layer geometry, with shear-wave velocity providing the dominant control on the characteristics of the surface waves.

The MASW method involves three distinct steps: 1) data acquisition, 2) extraction of the surface wave dispersion curve and 3) inversion of the extracted dispersion curve to generate a profile of shear-wave velocity versus depth. The analysis utilizes recorded seismic signal wave forms that are typically regarded as noise in more traditional seismic methods. That is, in traditional seismic surveys utilizing compressional-wave sources, more than two-thirds of the seismic energy is imparted into surface waves. Since these traditional analytical methods involve analysis of the compressional-wave, the large surface wave component of the recorded seismic signal inhibits recognition of the compressional-wave component of the signal and is thus effectively noise. The MASW method utilizes this large surface wave component of seismic signals.

MASW data is recorded using standard seismic refraction equipment and reflection surveying techniques. Furthermore, MASW data is far less sensitive to cultural features, environmental noise or geologic layering constraints than the other shallow seismic methods. For example, seismic refraction requires that seismic velocity increases with depth and both refraction and reflection require significant contrasts in velocity, density or acoustic impedance to resolve subsurface layering. These limitations do not prevent the successful application of the MASW method.

MASW data is recorded using an array of geophones placed on the ground surface. For a linear geophone array a single shear-wave velocity profile is modeled at the midpoint of the array. Modeling variations in shear-wave velocity along a laterally continuous profile line, is accomplished by recording successive MASW data sets as the array is moved forward at a selected incremental distance along the ground surface. The distance increment utilized is selected by the investigator based on the level of lateral resolution required to accomplish the objective of the survey with consideration of the expected lateral heterogeneity of the subsurface.

SURVEY EXECUTION

The geophysical field investigation was completed in one mobilization from November 7 to 11, 2023. Proposed data collection of combined seismic refraction and MASW was designated along nine (9) lines as shown on Figure 1. Due to encountered unfavorable site conditions including surface obstructions, pavements, and high noise and traffic levels, the locations of some lines were adjusted significantly while others were eliminated. Data could not be collected along proposed Line 3 located behind and parallel to the building. Proposed Lines 4 and 5 were combined and renamed as Line 4. Initial testing along Lines 1 and 2 indicated that the high noise levels at the site significantly impacted the quality and resolution of the seismic refraction data. After discussions with the project team, it was decided to complete the remainder of the investigation using solely the MASW method as it is less susceptible to negative data quality issues associate with high ambient noise levels. A total of 1,650 linear feet of SR and 2,740 linear feet of MASW were collected as part of this investigation. The line coordinates were collected using a Trimble Geo 7x GPS.

The seismic refraction and MASW data sets were both acquired using a Seismic Source LLC DAQlink 4 24-chanel seismic system with 24 4.5 Hz spiked geophones. The MASW survey utilized a land streamer to tow the array of geophones behind the survey vehicle. The seismic source was generated using a 16-pound sledgehammer and a plastic strike plate. The geophones were spaced at 10-foot intervals for seismic refraction giving an overall total length of 230 feet for the line. For the seismic refraction lines, a 50-foot offset was used on either end of the line as well as shot locations at first geophone, last geophone, and 3 spaced throughout the line. At each shot location a stack of 5-shots was used to improve the signal to noise ration. For MASW the geophones were also placed at a 10-foot interval and attached to the land streamer. MASW used a -30-foot offset from the first active geophone and advanced at 10-foot increments using a 3-shot stack at each shot location.

RESULTS AND INTERPRETATION

The results of the geophysical investigation are presented on **Figure 2** through **5**. The seismic refraction and MASW results have been displayed as two-dimensional, color-contoured compressional wave and shear wave velocity models, respectively.

Notes on Seismic Refraction Data Interpretation

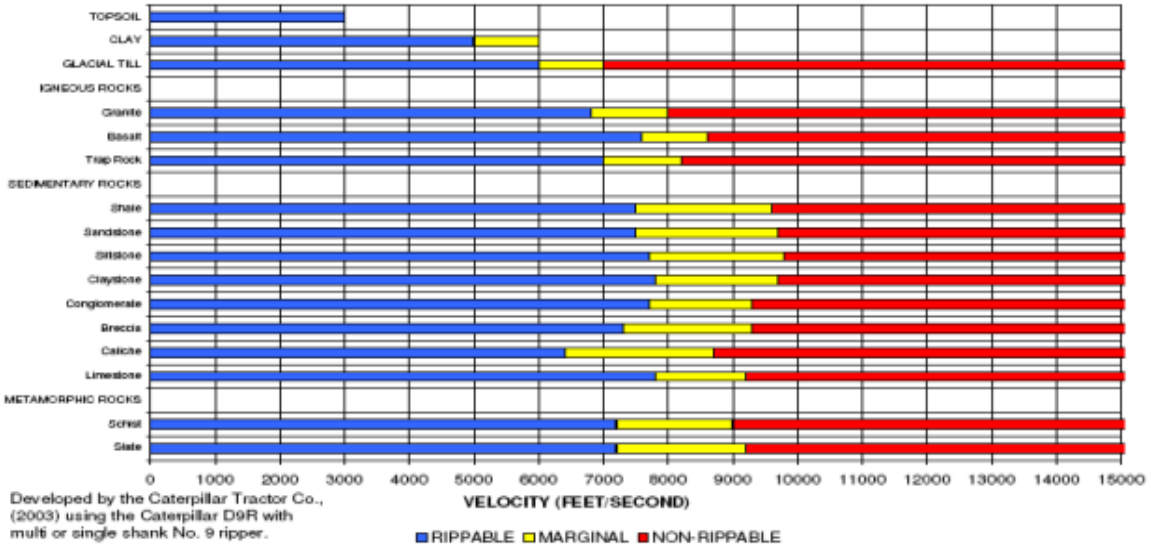
The seismic refraction results were processed utilizing both a gradational velocity model approach and a distinct 2-Layer model approach. The colored contoured profiles represent the results based on a gradational velocity model of the subsurface. Generally near surface conditions consist of a lower velocity overburden material and a higher velocity variably weathered bedrock. The results for the distinct 2-Layer model approach are represented by the dashed pink line and the associated layers and compressional wave velocities annotated accordingly. Both approaches have pros and cons that should be considered when viewing these results. The conventional seismic refraction analysis method assumes relatively homogenous (i.e. lateral continuous constant velocity) subsurface conditions to calculate average velocities for each assigned vertical layer (generally 2 or 3 layers are assigned). Many times, the subsurface is more heterogeneous like in deeply weathered saprolite conditions. In these cases, a gradational velocity model approach may be more appropriate.

The gradational velocity model is appropriate for a residual weathering profile characterized by progressively less weathering with depth. It is also appropriate when laterally variable velocities may be encountered in complex geologic settings. One of the biggest cons of the gradational method is that it generates a gradient even if none exist. So, in the case of a distinct velocity change (e.g. soil over

competent rock) the boundary must be interpreted from zones of maximum gradient. It has also been reported that velocity estimates at these boundaries may be too low and this is somewhat apparent when comparing the average velocity from the 2-Layer model with the gradient velocity at that boundary. For this reason, it would be advised to use caution if assessing rippability beyond the bedrock interface of the 2-Layer model and to utilize all available information.

Seismic compressional-wave velocity data can be used to evaluate the excavatability of the subsurface materials. Caterpillar, Inc. publishes information documenting the relationship between seismic compressional wave velocity and rippability (ease of excavation) for various rock types. A summary of this information for a Caterpillar D-9R tractor with a mounted No. 9 ripper is provided in **Table 1** below. The rippability chart indicates that igneous rocks such as Granite generally rippable at compressional-wave velocities up to approximately 6,800 t/sec and are marginally rippable up to 8,000 ft/sec.

Table 1: Rippability Chart (Caterpillar, Inc.)



Caterpillar (2017) Rippability for a Caterpillar D9R/D9T, Multi- or Single Shank No. 9 Ripper.

Notes on MASW Data Interpretation

Shear wave velocity (Vs) is often used as a direct indicator of a materials stiffness. The National Earthquake Hazard Reduction Program (NEHRP) uses Site Classifications A through F (**Table 2**) based on shear wave velocity.

Table 2: NEHRP Site Classification Based on Shear Wave Velocity

Site Class	Soil/Rock Type	Shear Wave Velocity (Vs)
A	Hard Rock	>5000
B	Rock	>2,500 to <5,000 ft/s
C	Very Dense Soil and Soft Rock	>1,200 to <2,500 ft/s
D	Stiff Soil	>600 to <1,200 ft/s

Site Class	Soil/Rock Type	Shear Wave Velocity (Vs)
E	Soft Soil	<600 ft/s
F	Soils requires site-specific investigation	<600 ft/s and further testing

This chart can be used as a general guideline for interpreting MASW results. The primary strength of the MASW method is characterizing the materials above the bedrock interface. Although theoretically possible, resolving shear wave velocity variations within a rock is difficult and is likely not as reliable as the results above the soil/rock interface. Lateral variations in Vs above the interface or abruptly rising or falling bedrock interface are more reliable evidence of some sort of structural or material change.

Results

The results of the seismic refraction survey are presented on **Figures 2** as color-enhanced 2D profiles of the modeled compressional wave velocities. MASW results are presented on **Figures 3** through **5** as color-enhanced 2D profiles of the modeled shear wave velocities.

Seismic Refraction

Due to site conditions, seismic refraction data quality was generally poor. Excess noise from vehicle traffic and plant operations significantly impacted the quality of the seismic refraction data. The seismic refraction compressional wave velocity models are presented for Lines 1, 2 and 10 but should be used cautiously.

The seismic refraction results indicate that the shallow subsurface is generally characterized by two relatively distinct layers consisting of a surficial saprolite overburden underlain by variably weathered bedrock. The 2-layer results are overlain onto the gradational models and are displayed as pink dashed lines. Modeled velocities for each layer are annotated on each seismic refraction profile. The indicated compressional wave velocities for layer 1 generally range from 1,400 ft/sec to 1,650 ft/sec. The velocities for layer 2 range from approximately 7,360 ft/sec to 9,200 ft/sec. As previously noted, the gradational model may under-estimate the velocities at the interface between Layer 1 and Layer 2 and generates a velocity gradient irrespective of whether a velocity gradient exist. As discussed above the data indicates two relatively distinct layers meaning the information below the interpreted interface are in part potential artifacts of the modeling process. This type of gradational model helps identify lateral variations in velocity that cannot not be shown by simple 2- or 3-layer models; however, each color change or contour line does not indicate a geologic change or boundary.

The depth of the model is in part controlled by the user input constraints during processing but also by the data itself. If 10 feet of soil overlies a competent rock layer, the gradational model may still be displayed to depths of 20 or 30 feet but the interpreted depth to rock would be based on zones of maximum gradient (tight contours). The interpreted top of rock based on the gradational model is displayed as a black dashed line on **Figure 2**. In general, as the depth to rock increases so does the displayed model depth. In the 2-layer model example only the thickness of layer 1 is calculated. The thickness of layer 2, or bottom of the model, is unknown and cannot be calculated without a layer 3 and layer 3 would need to be significantly faster than layer 2 to be identified.

Correlative depth to bedrock information for the seismic refraction results is limited to the observed bedrock exposure adjacent to Line 1 at an along profile distance of 510 feet as shown in plan view on Figure 1 and annotated accordingly on the seismic refraction profile on Figure 2. It is noted that the 2-

layer seismic velocity model (uppermost pink dashed line) from the seismic refraction results indicate a corresponding shallowing trend in the depth to bedrock in the vicinity on the observed bedrock exposure but the indicated depth to bedrock is still 10 feet below ground surface. However, the other two models indicate significantly deeper depths to bedrock in the vicinity of the observed exposure. It should be further noted that the depth to bedrock indicated by the monitoring well information from well MW-2I relative to the observed bedrock exposure located approximately 75 feet to the west correlates to a bedrock topography grade of approximately 67% which is over 3 times greater than the maximum bedrock topographic grade indicated by an evaluation that is limited specifically to the monitoring well information. This appears to suggest that the observed bedrock outcrops may not provide an effective representation of the bedrock topography at the site. Conversely, this apparent discrepancy regarding the degree of variability in bedrock topography between the two data sets (outcrops versus wells) may also suggest that the depth to bedrock indicated by the available monitoring well data are not fully representative of actual geologic conditions at the site.

The closest site monitoring well located in the proximity of the three seismic refraction lines is MW-1 which is located approximately 95 feet east of the eastern end of Line 2. Given the highly variable bedrock topography indicated by the monitoring wells (up to 22 feet vertical change over 100 feet lateral distance), the depth to bedrock information from monitoring well MW-1 provides little correlative value in assessing the relative accuracy of the seismic refraction results.

The seismic refraction results indicate that the overburden (light purple to dark blue contour) strata generally extend from the surface to depths of approximately 10 to 30 feet where it contacts the underlying high velocity layer (light green to red).

MASW Results

The analysis of the MASW data indicated that the quality of the resulting dispersion curves ranged from poor to good. The shear wave models show relatively good correlation with SR gradational models in identifying the interpreted top of the bedrock based on a relatively abrupt velocity change, however the depth can differ by up to 20 feet for portions of Lines 1 and 2. Based on the MASW results, overburden material shear wave velocities range from approximately 500 ft/sec to greater than 900 ft/sec indicating soft to stiff materials. Based on **Table 2**, stiff soil or soft rock starts at shear velocities generally over 1,200 ft/sec. Shear wave velocity greater than 3,000 ft/s can be seen on several of the profiles. The interpreted top of dense soil or soft rock based on the MASW data are displayed as a red dashed line on **Figures 3** through **5**. In addition, interpretations based on SR modeling are also presented on the MASW profiles and vice versa.

Correlative depth to bedrock information for the MASW results includes the observed bedrock exposure adjacent to Line 1 at an along profile distance of 510 feet as shown in plan view on Figure 1 and annotated accordingly on the seismic refraction profile on Figure 3. In contrast to the previously discussed seismic refraction results, the MASW results for Line 1 do not indicate an upward trend in the top of bedrock topography in the vicinity of the observed bedrock exposure. Moreover, the MASW results indicate a significantly greater depth to bedrock along the majority of Line 1 than is indicated by either of the two refraction results models. There does not appear to be sufficient available correlative information to provide an objective reason for the indicated discrepancies between the depth to bedrock indicated by the refraction results relative to the MASW results on Line 1. However, as previously discussed, the quality of both data sets was negatively impacted by the high ambient noise conditions associated with heavy traffic along the adjacent roadway.

Additional correlative depth to bedrock is provided from the monitoring wells located proximate to MASW Line 6 (Figure 4) and Line 9 (Figure 5). These correlative results provide somewhat contradictory information where the depth to bedrock indicated by the information from monitoring well MW-6I on Line 6 (Figure 4) is approximately 20 feet deeper than that indicated by the MASW results. Conversely the depth to bedrock provided by the information from monitoring well MW-18 (Figure 5) on Line 9 is approximately 10 feet shallower than that indicated by the corresponding MASW results.

RECOMMENDATIONS

While the results of the geophysical survey do not appear to provide good correlation with the information available from the monitoring well records and observed bedrock outcrops, the results appear to indicate less variable bedrock topography than is indicated by those data sets. An assessment of the full set of available information also suggests that there is some apparent discrepancies between the bedrock topography indicated by the monitoring well data relative to the observed bedrock exposures. Based on these factors it is recommended that the geophysical data be re-evaluated following the results of any subsequent additional intrusive investigations that may provide valuable additional correlative information regarding bedrock topography at the site.

LIMITATIONS

This geophysical investigation was conducted in accordance with reasonable and accepted engineering geophysics practices, and the interpretations and conclusions are rendered in a manner consistent with other consultants in our profession. However, all geophysical techniques have some level of uncertainty and limitations. No other representations to the client is expressed or implied, and no warrant or guarantee is included or intended.

We have greatly appreciated the opportunity to work with you on this project. Please do not hesitate to contact us if you any questions.

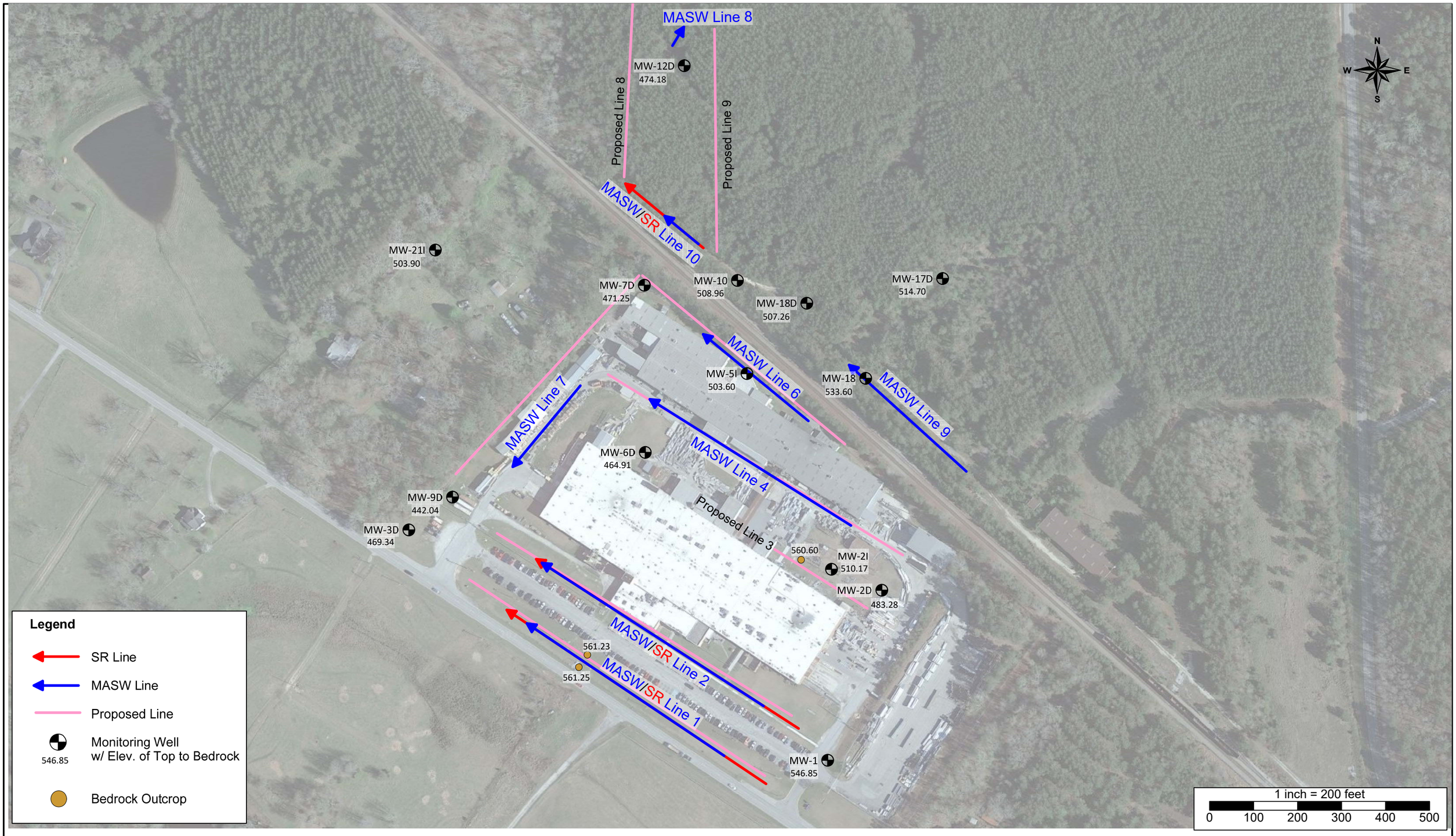
Very truly yours,

AECOM

Michael R. Greer, P.G.
Senior Geophysicist

Timothy J. King, P.G.
Principal Geologist

Enclosures: Figures 1 through 5



Notes
1. Basemap courtesy of Google

CLIENT: Shakespeare Composition Structures			TITLE: Seismic Survey Location Map
PROJ: Newberry Well Abandonment			
REVISION NO.: 0	DRN BY: MRG	11/04/2023	
SCALE: As Shown	PROJ NO: 60721186		
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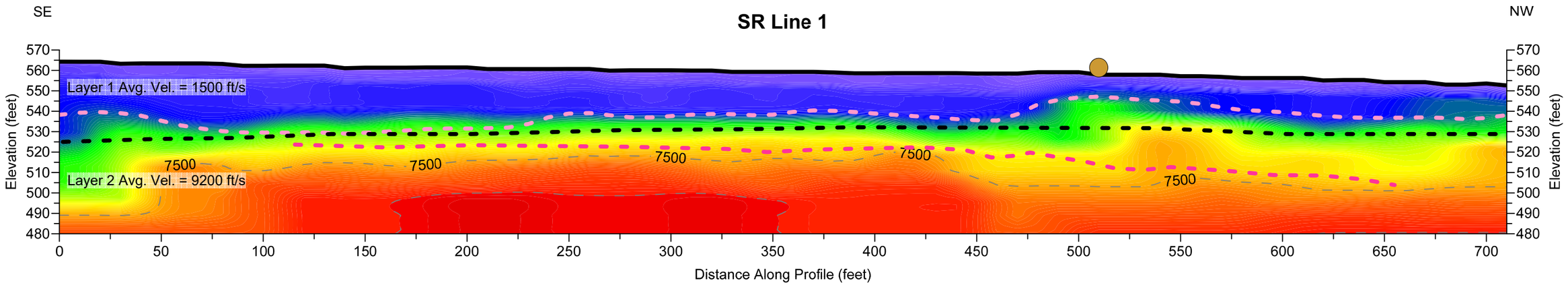
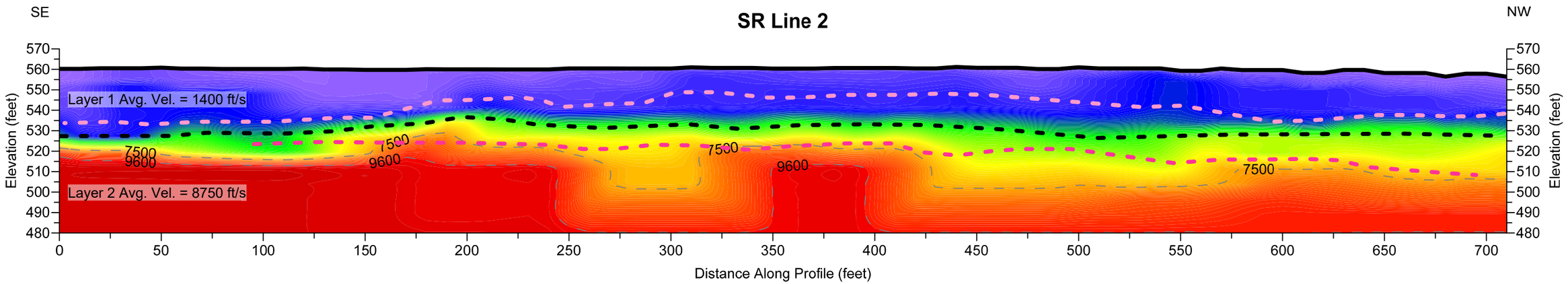
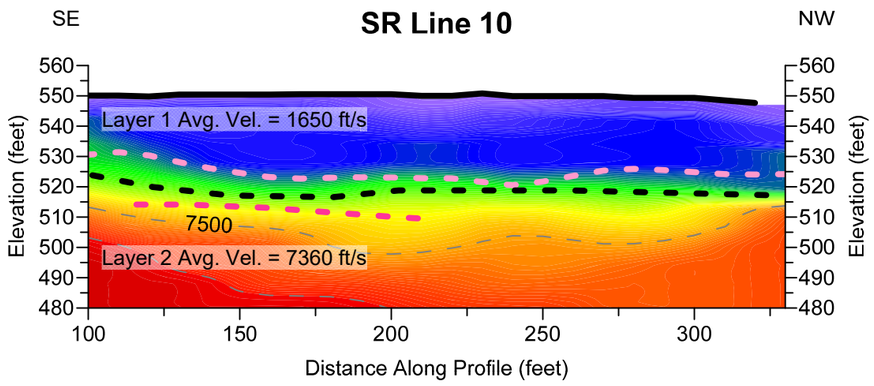
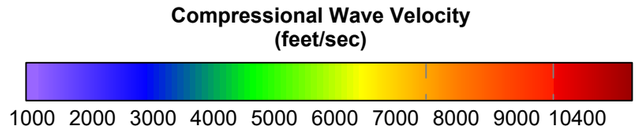
Figure 1









LEGEND

- Lithologic and/or bedrock boundary based on 2-layer seismic refraction velocity model
- Top of bedrock based on smooth line interpretation of seismic refraction gradational model (Note: This line may encompass interpreted bedrock of various weathering stages)
- Top of dense soil or soft rock based on smooth line interpretation of MASW shear wave model
- Observed Bedrock Outcrop

Notes
1. See Figure 1 for geophysical line locations
2. Elevations based on NAVD 1988 units of U.S.Feet

CLIENT: Shakespeare Composition Structures			TITLE: Seismic Refraction Results
PROJ: Newberry Well Abandonment			
REVISION NO.: 0	DRN BY: MRG	11/04/2023	
SCALE: As Shown	PROJ NO: 60721186		
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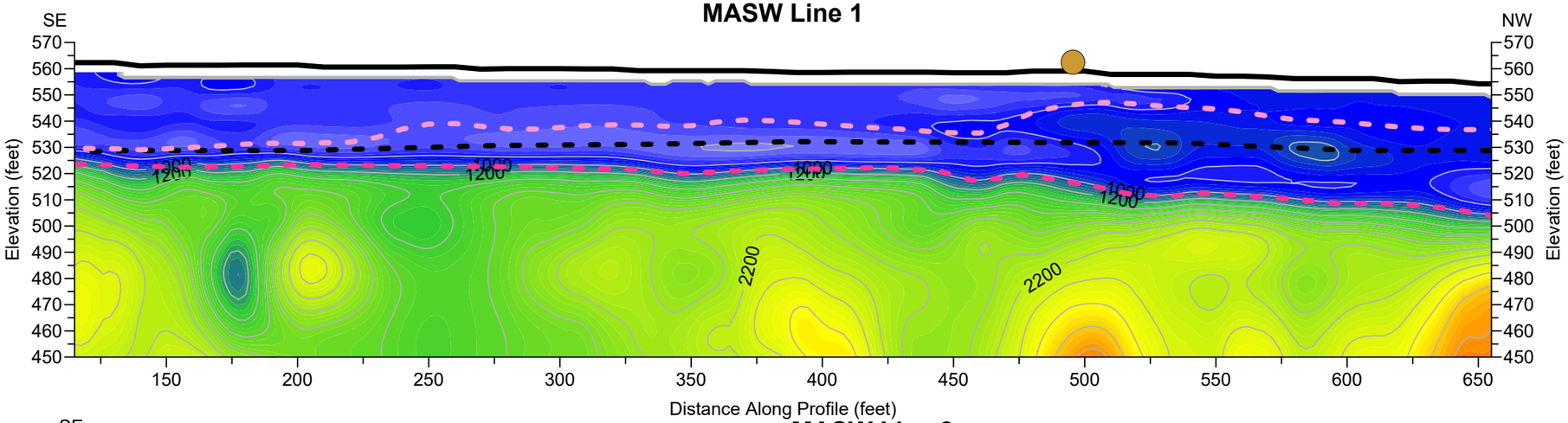
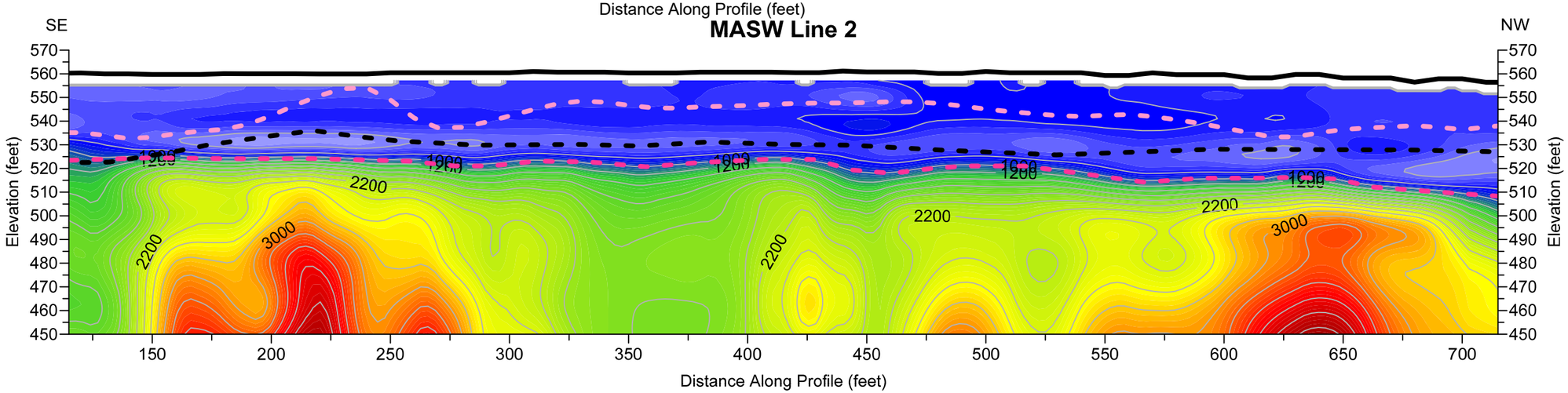
Figure 2

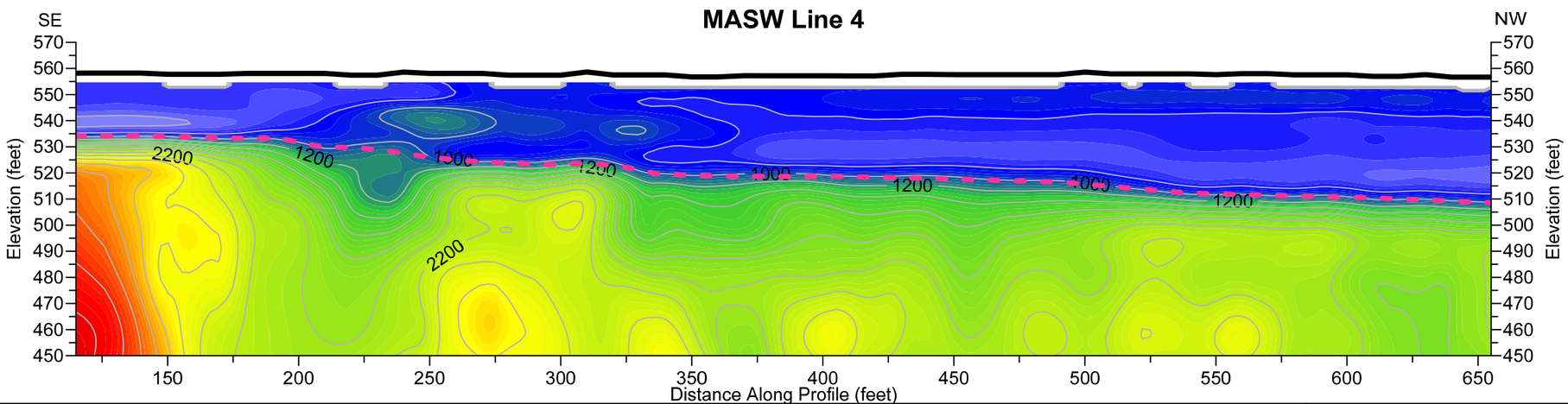
MASW Line 1



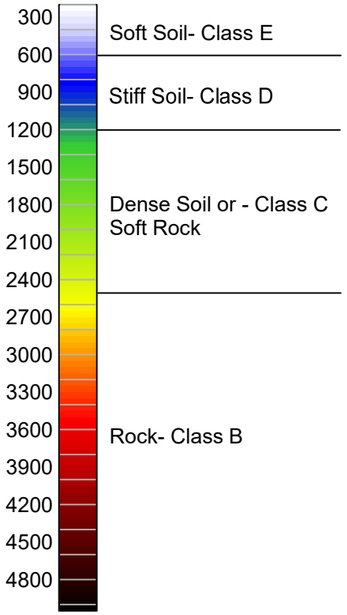
MASW Line 2



MASW Line 4



Shear Wave Velocity (feet/second)



LEGEND

- Lithologic and/or bedrock boundary based on 2-layer seismic refraction velocity model
- Top of bedrock based on smooth line interpretation of seismic refraction gradational model (Note: This line may encompass interpreted bedrock of various weathering stages)
- Top of dense soil or soft rock based on smooth line interpretation of MASW shear wave model
- Observed Bedrock Outcrop

Notes
1. See Figure 1 for geophysical line locations
2. Elevations based on NAVD 1988 units of U.S.Feet

CLIENT: Shakespeare Composition Structures			
PROJ: Newberry, South Carolina			
REVISION NO.: 0	DRN BY: MRG	11/04/2023	
SCALE: As Shown	PROJ NO: 60721186		
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TITLE: MASW Results

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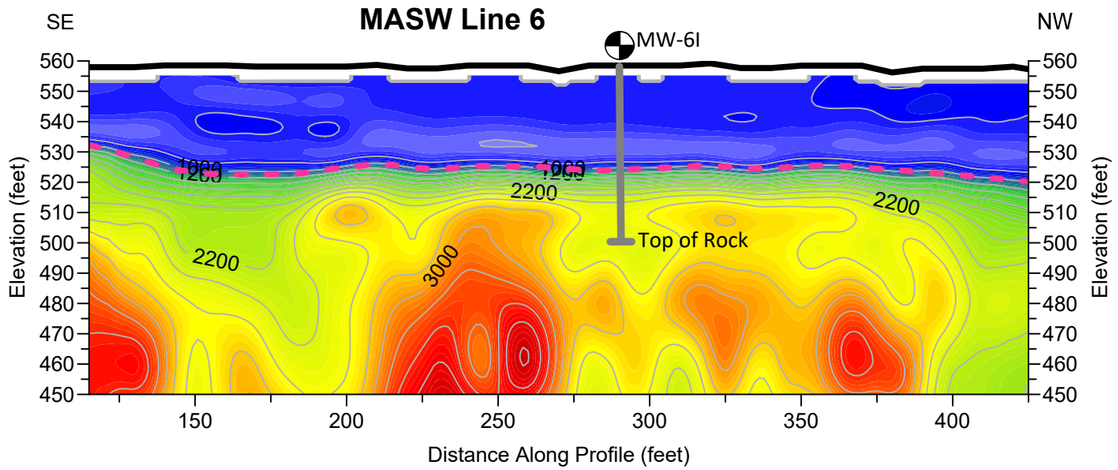
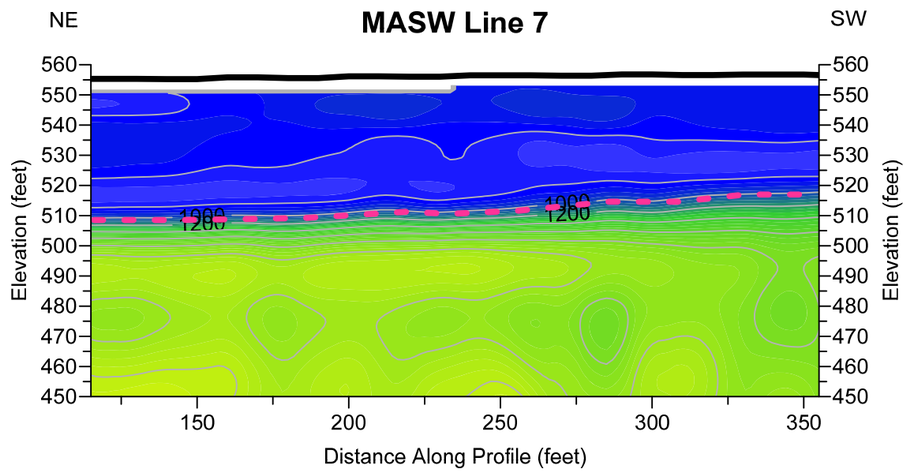
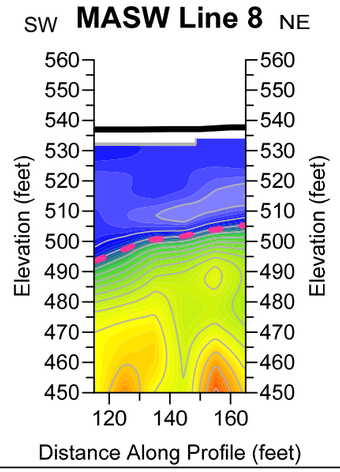
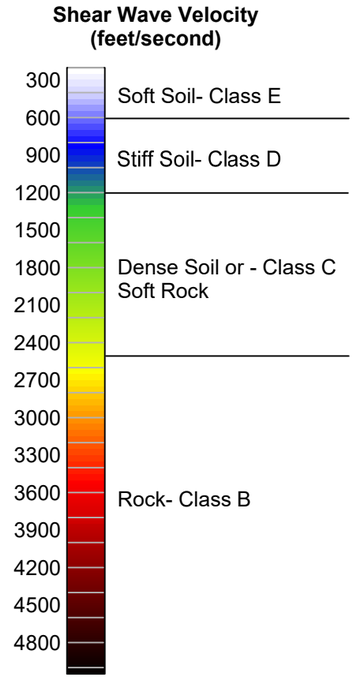
Figure 3









LEGEND

Top of dense soil or soft rock based on smooth line interpretation of MASW shear wave model

MW-6I
Top of Bedrock Reported from Monitoring Well Information

Top of Rock

Notes
1. See Figure 1 for geophysical line locations
2. Elevations based on NAVD 1988 units of U.S.Feet

CLIENT: Shakespeare Composition Structures			TITLE: MASW Results
PROJ: Newberry, South Carolina			
REVISION NO.: 0	DRN BY: MRG	11/04/2023	
SCALE: As Shown	PROJ NO: 60721186		
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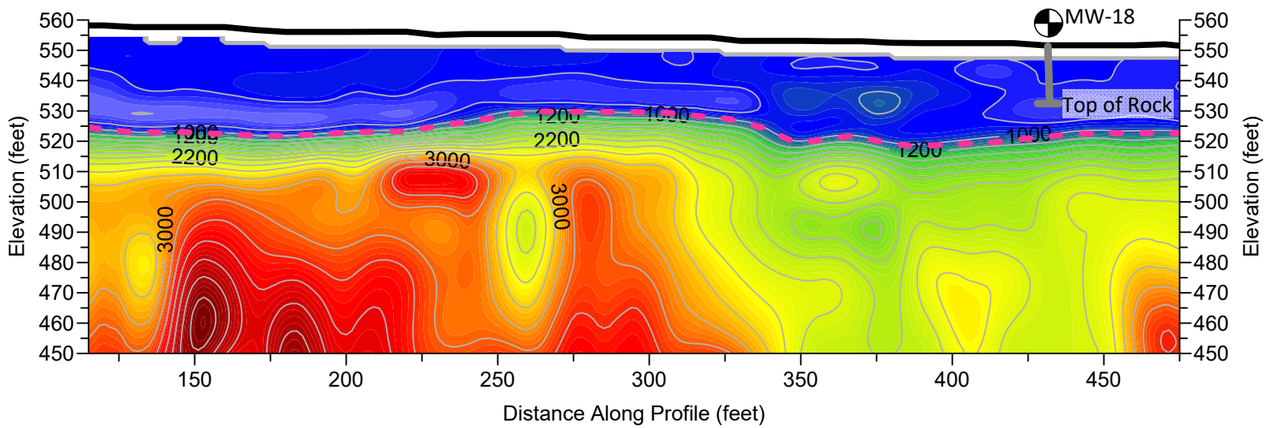
Figure 4

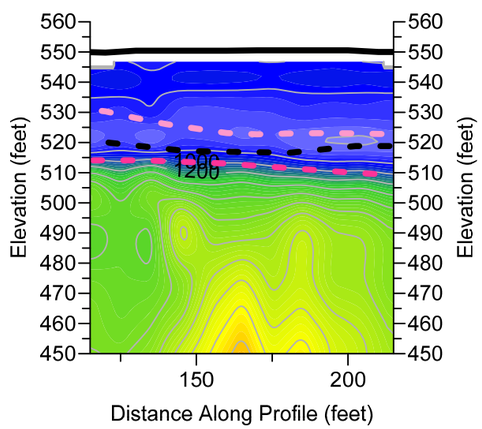
SE

MASW Line 9



NW

MASW Line 10



Shear Wave Velocity (feet/second)

300	Soft Soil- Class E
600	
900	Stiff Soil- Class D
1200	
1500	
1800	Dense Soil or - Class C Soft Rock
2100	
2400	
2700	
3000	
3300	
3600	Rock- Class B
3900	
4200	
4500	
4800	

LEGEND

- Lithologic and/or bedrock boundary based on 2-layer seismic refraction velocity model
- Top of bedrock based on smooth line interpretation of seismic refraction gradational model (Note: This line may encompass interpreted bedrock of various weathering stages)
- Top of dense soil or soft rock based on smooth line interpretation of MASW shear wave model
- MW-18 Top of Bedrock Reported from Monitoring Well Information
- Top of Rock

Notes
1. See Figure 1 for geophysical line locations
2. Elevations based on NAVD 1988 units of U.S.Feet

CLIENT: Shakespeare Composition Structures			
PROJ: Newberry, South Carolina			
REVISION NO.: 0	DRN BY: MRG	11/04/2023	
SCALE: As Shown	PROJ NO: 60721186		
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TITLE: MASW Results

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Figure 5

Attachment 7

Groundwater Sampling Forms – Additional Sampling Event of January 2024

AECOM

WATER LEVEL DATA SUMMARY

PROJECT: Shakespeare Composite Structure Site
LOCATION: Newberry SC
CLIENT:
SURVEY DATUM:
MEASURING DEVICE: electronic water level meter

JOB NUMBER:
DATE: 12/11/2023
MEASURED BY: Randy Morgan

WELL NUMBER	TIME (Military)	MEASURING POINT		DEPTH TO WATER (FT)	ELEVATION OF WATER (FT)	COMMENTS
		Description	Elevation (FT)			
MW-16	1045			11.22		
MW-12D	1115			9.90		
MW-12	1130			10.48		
MW-14	1145			5.82		
MW-20I	1205			10.18		
MW-8	1225			19.86		
MW-9	1235			20.49		
MW-9I	1245			20.42		
MW-7I	1255			19.62		
MW-5	1310			19.78		
MW-5I	1325			20.38		
MW-6I	1345			20.84		
MW-6D	1400			19.50		

AECOM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Date (mo/day/yr): Jan 3, 2024
Field Personnel: Randy Morgan
Site Name: Shakespeare Composition Structures
AECOM Job #:
Well ID*: MW-10I
____ Upgradient ____ Downgradient ____ Sidegradient ____ Source
Weather Conditions: Mostly Sunny
Air Temperature: 30 ° F
Total Well Depth (TWD) = 41.00 1/100 ft
Depth to Ground Water (DGW) = 14.78 1/100 ft
Length of Water Column (LWC) = TWD - DGW = ____ 1/100 ft
1 Casing Volume (OCV)* = LWC x 0.163 = ____ gal
3 Casing Volumes = ____ gal = Standard Evacuation Volume
Method of Sample Evacuation: Peristaltic Pump
Method of Sample Collection: Peristaltic Pump
Total Volume of Water Removed: 2.25 gal

Casing Diameter: 2.0 inches
Casing Material: PVC
Measuring Point Elevation: ____ 1/100 ft
Height of Riser (above land surface): ____ 1/100 ft
Land Surface Elevation: ____ 1/100 ft
Screened Interval: 31 - 41 1/100 ft
Dedicated Pump or Bailer: YES ____ NO X Type ____
Steel Guard Pipe Around Casing: YES X NO ____
Locking Cap: YES X NO ____
Protective Post/Abutment: YES ____ NO X
Well Integrity Satisfactory: YES X NO ____
Yield: LOW ____ MODERATE X HIGH ____
Comments/Observations
Sample Time: ~~1200~~ 1150

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.
Volume (in gallons) = π r^2 h (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES

	Initial										
VOLUME PURGED (gallons)		0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.0	2.25	
TIME (Military)	1100	1105	1110	1115	1120	1125	1130	1135	1140	1145	
Water Level (ft BTOC)	15.08	15.32	15.44	15.48	15.52	15.52	15.52	15.52	15.52	15.53	
pH (S.U.)	5.74	5.66	5.68	5.67	5.69	5.68	5.69	5.68	5.69	5.68	
Sp. Cond. (mS/cm)	0.080	0.079	0.078	0.079	0.079	0.080	0.080	0.081	0.081	0.081	
Water Temp. (°C)	14.4	15.6	15.7	15.7	15.8	15.9	15.9	15.9	15.8	16.0	
Turbidity (NTUs)	302.8	158.0	118.5	136.0	51.42	51.01	32.72	23.51	13.75	9.93	(6.92 sample)
DO - (mg/L)	0.74	0.35	0.40	0.47	0.56	0.66	0.75	0.86	0.83	0.81	
Salinity (ppt)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
ORP (mV)	149.1	159.6	149.8	136.0	126.3	121.6	119.7	115.3	114.7	112.2	

COMMENTS/OBSERVATIONS: ____

AECOM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Date (mo/day/yr) _____
Field Personnel Randy Morgan
Site Name Shakespeare Composition Structures
AECOM Job # 60721186.4
Well ID* TMW-21
____ Upgradient ____ Downgradient ____ Sidegradient ____ Source
Weather Conditions Clear / Sunny
Air Temperature _____ ° F
Total Well Depth (TWD) = ~~23.50~~ 28.15 1/100 ft
Depth to Ground Water (DGW) = 21.77 1/100 ft
Length of Water Column (LWC) = TWD - DGW = _____ 1/100 ft
1 Casing Volume (OCV)* = LWC x 0.041 = _____ gal
3 Casing Volumes = _____ gal = Standard Evacuation Volume
Method of Sample Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump
Total Volume of Water Removed 1.0 gal

Casing Diameter 1 inches
Casing Material PVC
Measuring Point Elevation _____ 1/100 ft
Height of Riser (above land surface) _____ 1/100 ft
Land Surface Elevation _____ 1/100 ft
Screened Interval 13.5 - 23.5 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Steel Guard Pipe Around Casing YES X NO ____
Locking Cap YES ____ NO X stick cap
Protective Post/Abutment YES ____ NO X
Well Integrity Satisfactory YES X NO ____
Yield LOW ____ MODERATE X HIGH ____
Comments/Observations
Sample Time: 1218

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.
Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES

	Initial										
VOLUME PURGED (gallons)		0.20	0.40	0.60	0.80	1.00					
TIME (Military)	1150	1155	1200	1205	1210	1215					
Water Level (ft BTOC)	22.88	23.38	23.62	23.68	23.70	23.70					
pH (S.U.)	4.56	4.56	4.56	4.54	4.50	4.53					
Sp. Cond. (mS/cm)	0.040	0.040	0.040	0.039	0.039	0.039					
Water Temp. (°C)	19.6	19.8	19.8	19.9	19.9	19.9					
Turbidity (NTUs)	53.69	43.78	17.77	2.33	1.42	0.74					
DO - (mg/L)	0.92	0.49	0.40	0.51	0.52	0.60					
Salinity (ppt)	0.02	0.02	0.02	0.02	0.02	0.02					
ORP (mV)	298.0	313.5	321.0	336.1	344.5	352.4					

COMMENTS/OBSERVATIONS _____

AECOM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Page ____ of ____

Date (mo/day/yr) Jan 2 2024
Field Personnel Randy Morgan
Site Name Shakespeare Composition Structures
AECOM Job #
Well ID* TMW-22
____ Upgradient ____ Downgradient ____ Sidegradient ____ Source
Weather Conditions Clear / sunny
Air Temperature ____ ° F
Total Well Depth (TWD) = ~~25.00~~ 28.00 1/100 ft
Depth to Ground Water (DGW) = 20.69 1/100 ft
Length of Water Column (LWC) = TWD - DGW = ____ 1/100 ft
1 Casing Volume (OCV)* = LWC x 0.041 = ____ gal
3 Casing Volumes = ____ gal = Standard Evacuation Volume
Method of Sample Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump
Total Volume of Water Removed 1.0 gal

Casing Diameter 1 inches
Casing Material PVC
Measuring Point Elevation ____ 1/100 ft
Height of Riser (above land surface) ____ 1/100 ft
Land Surface Elevation ____ 1/100 ft
Screened Interval 15 - 25 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Steel Guard Pipe Around Casing YES X NO ____
Locking Cap YES ____ NO X slip cap
Protective Post/Abutment YES ____ NO X
Well Integrity Satisfactory YES X NO ____ Vault lid missing
Yield LOW ____ MODERATE X HIGH ____
Comments/Observations
Sample Time: 1135

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.
Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES

	Initial										
VOLUME PURGED (gallons)		0.20	0.40	0.60	0.80	1.00					
TIME (Military)	1108	1113	1118	1123	1128	1133					
Water Level (ft BTOC)	22.13	22.58	22.88	23.00	23.03	23.02					
pH (S.U.)	4.78	4.77	4.73	4.78	4.75	4.74					
Sp. Cond. (mS/cm)	0.035	0.033	0.032	0.031	0.031	0.031					
Water Temp. (°C)	22.0	22.3	22.3	22.4	22.4	22.4					
Turbidity (NTUs)	561.2	236.5	58.09	13.99	3.19	0.51					
DO - (mg/L)	0.60	0.84	0.56	0.40	0.37	0.36					
Salinity (ppt)	0.01	0.01	0.01	0.01	0.01	0.01					
ORP (mV)	281.5	293.7	303.6	311.4	320.2	327.8					

COMMENTS/OBSERVATIONS ____

AECOM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Date (mo/day/yr)	Jan 2, 2024
Field Personnel	Randy Morg
Site Name	Shakespeare Composition Structures
AECOM Job #	
Well ID*	TMW-23
	____ Upgradient ____ Downgradient ____ Sidegradient ____ Source
Weather Conditions	Clear / Sunny
Air Temperature	° F
Total Well Depth (TWD) =	~~25.00~~ 25.65 1/100 ft
Depth to Ground Water (DGW) =	19.70 1/100 ft
Length of Water Column (LWC) = TWD - DGW =	1/100 ft
1 Casing Volume (OCV)* = LWC x 0.041 =	gal
3 Casing Volumes =	gal = Standard Evacuation Volume
Method of Sample Evacuation	Peristaltic Pump
Method of Sample Collection	Peristaltic Pump
Total Volume of Water Removed	0.30 gal

Casing Diameter	1 inches
Casing Material	PVC
Measuring Point Elevation	1/100 ft
Height of Riser (above land surface)	1/100 ft
Land Surface Elevation	1/100 ft
Screened Interval	15 - 25 1/100 ft
Dedicated Pump or Bailer	YES ____ NO X Type ____
Steel Guard Pipe Around Casing	YES X NO ____
Locking Cap	YES ____ NO X slip cap
Protective Post/Abutment	YES ____ NO X
Well Integrity Satisfactory	YES X NO ____
Yield	LOW X MODERATE ____ HIGH ____
Comments/Observations	Sample Time: 1055 Dry at 0.30gals

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES

	Initial		DRY								
VOLUME PURGED (gallons)	Initial	0.25	0.30	~~0.75~~	~~1.0~~						
TIME (Military)	1025	1030	1035	~~1044~~	~~1045~~						
Water Level (ft BTOC)	21.48	24.88	25.55								
pH (S.U.)	4.92	4.91	4.96								
Sp. Cond. (mS/cm)	0.038	0.036	0.035								
Water Temp. (°C)	23.9	23.9	23.4								
Turbidity (NTUs)	139.6	78.70	73.40								
DO - (mg/L)	3.11	3.88	4.74								
Salinity (ppt)	0.02	0.02	0.02								
ORP (mV)	252.1	243.5	292.4								

COMMENTS/OBSERVATIONS Has a well tag in vault

AECOM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Date (mo/day/yr)	Jan 2, 2024
Field Personnel	Randy Morgan
Site Name	Shakespeare Composition Structures
AECOM Job #	
Well ID*	TMW-24
____ Upgradient ____ Downgradient ____ Sidegradient ____ Source	
Weather Conditions	Clear / Sunny
Air Temperature	° F
Total Well Depth (TWD) =	~~25.00~~ 24.80 1/100 ft
Depth to Ground Water (DGW) =	21.78 1/100 ft
Length of Water Column (LWC) = TWD - DGW =	1/100 ft
1 Casing Volume (OCV)* = LWC x 0.041 =	gal
3 Casing Volumes =	gal = Standard Evacuation Volume
Method of Sample Evacuation	Peristaltic Pump
Method of Sample Collection	Peristaltic Pump
Total Volume of Water Removed	1.0 gal

Casing Diameter	1.0 inches
Casing Material	PVC
Measuring Point Elevation	1/100 ft
Height of Riser (above land surface)	1/100 ft
Land Surface Elevation	1/100 ft
Screened Interval	15 - 25 1/100 ft
Dedicated Pump or Bailer	YES ____ NO X Type ____
Steel Guard Pipe Around Casing	YES X NO ____
Locking Cap	YES ____ NO X Slip Cap
Protective Post/Abutment	YES ____ NO X
Well Integrity Satisfactory	YES X NO ____
Yield	LOW ____ MODERATE X HIGH ____
Comments/Observations	Sample Time: 1318 well tag in the vault

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES

	Initial										
VOLUME PURGED (gallons)		0.20	0.40	0.60	0.80	1.00					
TIME (Military)	1250	1255	1300	1305	1310	1315					
Water Level (ft BTOC)	22.88	23.48	23.57	23.77	23.82	23.86					
pH (S.U.)	4.61	4.54	4.59	4.57	4.54	4.52					
Sp. Cond. (mS/cm)	0.049	0.050	0.050	0.050	0.051	0.051					
Water Temp. (°C)	21.9	22.1	22.1	22.2	22.2	22.2					
Turbidity (NTUs) Brn	1100	1059	578.4	236.4	202.8	146.6					
DO - (mg/L)	1.60	1.33	1.23	1.20	1.20	1.14					
Salinity (ppt)	0.02	0.02	0.02	0.02	0.02	0.02					
ORP (mV)	304.0	354.0	364.5	366.1	364.5	363.1					

COMMENTS/OBSERVATIONS

AECOM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Date (mo/day/yr)	Jan 2, 2024
Field Personnel	Randy Morgan
Site Name	Shakespeare Composition Structures
AECOM Job #	
Well ID*	TMW-25
	____ Upgradient ____ Downgradient ____ Sidegradient ____ Source
Weather Conditions	Clear/Sunny
Air Temperature	° F
Total Well Depth (TWD) =	~~25.00~~ 24.88 1/100 ft
Depth to Ground Water (DGW) =	19.63 1/100 ft
Length of Water Column (LWC) = TWD - DGW =	1/100 ft
1 Casing Volume (OCV)* = LWC x 0.041 =	gal
3 Casing Volumes =	gal = Standard Evacuation Volume
Method of Sample Evacuation	Peristaltic Pump
Method of Sample Collection	Peristaltic Pump
Total Volume of Water Removed	1.0 gal

Casing Diameter	1.0 inches
Casing Material	
Measuring Point Elevation	1/100 ft
Height of Riser (above land surface)	1/100 ft
Land Surface Elevation	1/100 ft
Screened Interval	15 - 25 1/100 ft
Dedicated Pump or Bailer	YES ____ NO X Type ____
Steel Guard Pipe Around Casing	YES X NO
Locking Cap	YES ____ NO X Stop cap
Protective Post/Abutment	YES ____ NO X
Well Integrity Satisfactory	YES X NO ____
Yield	LOW X MODERATE ____ HIGH ____
Comments/Observations	
Sample Time:	1445

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = π r^2 h (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial	0.20	0.40	0.60	0.80	1.00					
TIME (Military)	1418	1423	1428	1433	1438	1443					
Water Level (ft BTOC)	21.38	22.75	23.90	23.90	23.91	23.93					
pH (S.U.)	5.40	5.30	5.21	5.28	5.24	5.25					
Sp. Cond. (mS/cm) 0.047	~~21.5~~	0.046	0.045	0.045	0.045	0.044					
Water Temp. (°C)	21.5	21.7	21.6	21.6	21.6	21.4					
Turbidity (NTUs)	255.2	140.8	80.95	39.24	10.85	2.63					
DO - (mg/L)	3.51	3.54	3.67	3.52	3.41	3.47					
Salinity (ppt)	0.02	0.02	0.02	0.02	0.02	0.02					
ORP (mV)	243.0	263.3	283.8	282.8	284.9	285.6					

COMMENTS/OBSERVATIONS

AECOM

FIELD DATA LOG FOR GROUNDWATER SAMPLING

Date (mo/day/yr)	Jan 2, 2024
Field Personnel	Randy Morgan
Site Name	Shakespeare Composition Structures
AECOM Job #	
Well ID*	TMW-31
____ Upgradient ____ Downgradient ____ Sidegradient ____ Source	
Weather Conditions	Clear / Sunny
Air Temperature	° F
Total Well Depth (TWD) =	~~21.00~~ 23.30 1/100 ft
Depth to Ground Water (DGW) =	14.417 1/100 ft
Length of Water Column (LWC) = TWD - DGW =	1/100 ft
1 Casing Volume (OCV)* = LWC x 0.041 =	gal
3 Casing Volumes =	gal = Standard Evacuation Volume
Method of Sample Evacuation	Peristaltic Pump
Method of Sample Collection	Peristaltic Pump
Total Volume of Water Removed	1.25 gal

Casing Diameter	1.0 inches
Casing Material	PVC
Measuring Point Elevation	1/100 ft
Height of Riser (above land surface)	1/100 ft
Land Surface Elevation	1/100 ft
Screened Interval	11 - 21 1/100 ft
Dedicated Pump or Bailer	YES ____ NO X Type ____
Steel Guard Pipe Around Casing	YES X NO ____
Locking Cap	YES X NO ____
Protective Post/Abutment	YES ____ NO X
Well Integrity Satisfactory	YES X NO ____
Yield	LOW ____ MODERATE ____ HIGH X
Comments/Observations	
Sample Time:	0958

* - One casing volume (gallons) for a 0.5 inch well is 0.0102XLWC; for a 2 inch well is 0.163 X LWC; for a 4 inch well is 0.652 X LWC and for a 6 inch well is 1.468 X LWC.

Volume (in gallons) = $\pi r^2 h$ (7.48), where r is the radius (ft) and h is the height (ft).

FIELD ANALYSES

VOLUME PURGED (gallons)	initial	0.25	0.50	0.75	1.0	1.25					
TIME (Military)	0930	0935	0940	0945	0950	0955					
Water Level (ft BTOC)	14.85	14.88	14.90	14.90	14.92	14.92					
pH (S.U.)	5.34	5.25	5.21	5.19	5.18	5.19					
Sp. Cond. (mS/cm)	0.065	0.058	0.056	0.055	0.053	0.053					
Water Temp. (°C)	21.9	22.1	22.1	22.2	22.2	22.2					
Turbidity (NTUs)	1100	451.8	144.2	35.43	13.36	6.03					
DO - (mg/L)	3.83	3.72	3.74	3.81	3.93	4.01					
Salinity (ppt)	0.03	0.03	0.03	0.02	0.02	0.02					
ORP (mV)	197.3	227.1	247.0	255.5	258.5	259.1					

COMMENTS/OBSERVATIONS

Summary of Field Screening Results
Shakespeare
Newberry, South Carolina

	Sample Collection Method							Field Screening Result					
Sample ID	Date Collected	Time Collected	Grab	PDB	Bailer	Whale Pump	Extraction Pump	Temperature (°C)	Conductivity (mS/cm)	DO (mg/L)	pH (s.u.)	ORP (mV)	Turbidity (NTU)
MW-5	1/2/24	1515	X	X				16.7	0.004	4.76	4.18	370.2	0.08
MW-5I	1/2/24	1500	X	X				16.9	0.012	1.57	4.57	348.6	0.00
MW-8	1/3/24	1230	X	X				16.4	0.020	1.39	4.33	342.2	0.00
MW-9	1/3/24	1245	X	X				17.5	0.016	1.53	4.37	353.8	0.00
MW-12	1-3-24	0915	X	X				13.7	0.025	2.87	4.33	320.7	0.01
MW-12D	1-3-24	0900	X	X				13.5	0.016	1.15	4.57	280.4	0.00
MW-14	1-3-24	0930	X	X				13.7	0.016	1.36	4.38	322.6	0.00
MW-16	1-3-24	0845	X	X				13.2	0.052	3.88	4.43	284.8	0.00
MW-6I	1/2/24	1545	X	X				17.3	0.014	1.01	4.28	356.0	0.00
MW-6D	1/4/24	1555	X	X				17.3	0.003	3.11	5.21	301.2	0.00
MW-7I	1/2/24	1525	X	X				16.4	0.018	0.89	4.20	376.0	0.00
MW-9I	1/3/24	1255	X	X				16.5	0.009	2.56	4.59	343.3	0.00
MW-20I	1/3/24	1310	X	X				15.1	0.009	3.97	4.64	344.8	0.00

Water Quality Calibration Certificate

AECOM

Cal Standard	Temp, LAB, C :	22.2	Temp, FIELD, C :	

	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
Conductivity 1413 UMHO/CM @ 25C	8304124	4/25	1414		(+/- .5%)
PH 4.00 @ 25C	6307004	7/25	3.98		(+/- 0.2 units)
PH 7.01 @ 25C	8306447	7/25	7.10		(+/- 0.2 units)
PH 10.01 @ 25C	6306010	5/25	9.99		(+/- 0.2 units)
ORP ZOBELLS 231.0 MV @ 25C	8308281	5/24	235.2		(+/- 20 MV)

		Temp, C	% Saturation	mg/L	
Dissolved Oxygen (Saturated Air)	Post-Cal, LAB	24.6	98.1	8.16	Acceptable Range (+/- 2%) / (+/- 2%)
	Post-Cal, FIELD				

New DO Membrane: ○ Yes ⊗ No

Do Cap Color: ○ Black ○ Blue ◉ Yellow

Model: YSI - PRO PLUS **S/N**: 3731 **Cable**: N/A

Calibration referenced to the temperature of the calibration standards.

Turbidity	Lot #	Expiration	Post-Cal, LAB	Post-Cal, FIELD	Acceptable Range
.02 NTU	230129	JAN-25	0.02		(.0196 to .0204)
10 NTU	230172	/	9.93		(9.8 to 10.2)
1000 NTU	230156	/	997.8		(970 to 1031)

Model: Micro TPW **S/N**: 20070302G

Calibrated By: Eric Olson Date of Calibration: 12-20-23

Project Name: SHAKespeare Project number: 60721186

Signed : Eric Olson

REV-6, 10/31/2018 EKO

AECOM

FIELD INSTRUMENT CALIBRATION LOG

Project Name: Shakespeare Newberry
Project Number: 60721186.4
Calibrated By: Randy Morgan
Signature: Randy Morgan

YSI 556 SN: 3731
Turbidity Meter Model/SN: 20076302G
Additional Equipment SN:
Date: 1-2-2024

Operation Notes:
1) Turn meter on in Run mode and allow to warm up 10 to 15 minutes prior to calibration.
2) Observe DO % for 2-3 minutes when meter is initially turned on. The unit should display decreasing values until it is stabilized near 100%.
3) If the meter does not stabilize at/near 100% indicates the DO sensor requires maintenance.

These values should be keyed in when calibrating a water quality meter. Be sure to use the temperature of the standards, not ambient temperature and be sure the temperature sensor is submerged in the solution.

Table 1: Calibration Values At Various Temperatures

Temp. C	pH 4	pH 7	pH 10	Conductivity	ORP
5	4.00	7.07	10.19	896.00	257.00
10	4.00	7.06	10.16	1020.00	250.50
15	4.00	7.04	10.10	1147.00	244.00
20	4.00	7.02	10.05	1278.00	237.50
25	4.00	7.01	10.01	1413.00	231.00
30	4.00	6.99	9.96	1548.00	224.50

mm Hg = millimeters of mercury. Note that the YSI 556 uses this information ONLY when the DO calibration is being done. After calibration is complete it no longer corrects for pressure change. Verify the meter is correct for your altitude when calibrating.

Table 2: Atmospheric Pressure / Altitude Table

Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)
0	760	1125	730	2290	699
278	752	1413	722	2587	692
558	745	1703	714	2887	684
841	737	1995	707	3190	676

Table 3: DO % Saturation Vs. Temperature

Temp C	DO	Temp C	DO	Temp C	DO	Temp C	DO	Temp C	DO
15	10.084	20	9.092	25	8.253	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.275	24	8.418	29	7.691	34	7.065	39	6.515

YSI 556 Calibration

Parameter	Before Calibration	After Calibration	Time	Units
Barometric Pressure	752.0	[redacted]	0830	mmHg
Temperature (Saturated Air)	21.0	21.1	0830	C
Temperature (Calibration Solution)	21.4	21.2	0850	C
DO	9.85	8.74	0830	mg/L
pH 7	7.14	7.01	0838	SU
pH 4	4.00	4.00	0842	SU
pH 10	9.99	10.03	0846	SU
Specific Conductance	1.39	1.28	0834	mS/cm
ORP	236.7	237.5	0850	mV

MicroTPW Calibration

Calibrations performed 0.02, 10, and 1,000 NTU	Calibrations accepted	Yes (circled)	No
		circle one	

AECOM

FIELD INSTRUMENT CALIBRATION LOG

Project Name: Shakespeare
Project Number: 60721186.4
Calibrated By: Randy Morgan
Signature: Randy Morgan

YSI 556 SN: 3231
Turbidity Meter Model/SN: 20070302G
Additional Equipment SN:
Date: 1-3-2024

Operation Notes:
1) Turn meter on in Run mode and allow to warm up 10 to 15 minutes prior to calibration.
2) Observe DO % for 2-3 minutes when meter is initially turned on. The unit should display decreasing values until it is stabilized near 100%
3) If the meter does not stabilize at/near 100%, indicates the DO sensor requires maintenance.

These values should be keyed in when calibrating a water quality meter. Be sure to use the temperature of the standards, not ambient temperature and be sure the temperature sensor is submerged in the solution.

Table 1: Calibration Values At Various Temperatures

Temp. C	pH 4	pH 7	pH 10	Conductivity	ORP
5	4.00	7.07	10.19	896.00	257.00
10	4.00	7.06	10.16	1020.00	250.50
15	4.00	7.04	10.10	1147.00	244.00
20	4.00	7.02	10.05	1278.00	237.50
25	4.00	7.01	10.01	1413.00	231.00
30	4.00	6.99	9.96	1548.00	224.50

mm Hg = millimeters of mercury. Note that the YSI 556 uses this information ONLY when the DO calibration is being done. After calibration is complete it no longer corrects for pressure change. Verify the meter is correct for your altitude when calibrating

Table 2: Atmospheric Pressure / Altitude Table

Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)	Altitude feet (asl)	Pressure (mmHg)
0	760	1126	730	2290	699
278	752	1413	722	2587	692
558	745	1703	714	2887	684
841	737	1995	707	3190	676

Table 3: DO % Saturation Vs. Temperature

Temp C	DO	Temp C.	DO	Temp C.	DO	Temp C	DO	Temp C.	DO
15	10.084	20	9.092	25	8.253	30	7.559	35	6.950
16	9.870	21	8.915	26	8.113	31	7.430	36	6.837
17	9.665	22	8.743	27	7.968	32	7.305	37	6.727
18	9.467	23	8.578	28	7.827	33	7.183	38	6.620
19	9.276	24	8.418	29	7.691	34	7.065	39	6.515

YSI 556 Calibration

Parameter	Before Calibration	After Calibration	Time	Units
Barometric Pressure	748.5		0800	mmHg
Temperature (Saturated Air)	13.5	14.0	0800	C
Temperature (Calibration Solution)	20.2	19.8	0820	C
DO	9.80	10.10	0800	mg/L
pH 7	7.08	7.02	0808	SU
pH 4	4.05	4.00	0812	SU
pH 10	9.95	10.04	0816	SU
Specific Conductance	1.28	1.28	0804	mS/cm
ORP	237.9	237.5	0820	mV

MicroTPW Calibration

Calibrations performed 0.02, 10, and 1,000 NTU	Calibrations accepted: (Yes) No (circle one)

Attachment 8

Laboratory Analytical Report – Groundwater Sampling Event of January 2024

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

January 17, 2024

Dave Oliphant
AECOM Environment
10 Patewood Drive
Bldg. VI, Ste. 500
Greenville, SC 29615

RE: Project: Newberry SC
Pace Project No.: 92706733

Dear Dave Oliphant:

Enclosed are the analytical results for sample(s) received by the laboratory on January 04, 2024. 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte

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

Sincerely,

Bonnie Vang

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Newberry SC
Pace Project No.: 92706733

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Newberry SC
Pace Project No.: 92706733

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92706733001	**TMW-31**	Water	01/02/24 09:58	01/04/24 12:08
92706733002	**TMW-23**	Water	01/02/24 10:55	01/04/24 12:08
92706733003	**TMW-22**	Water	01/02/24 11:35	01/04/24 12:08
92706733004	**TMW-21**	Water	01/02/24 12:18	01/04/24 12:08
92706733005	**TMW-24**	Water	01/02/24 13:18	01/04/24 12:08
92706733006	**TMW-25**	Water	01/02/24 14:45	01/04/24 12:08
92706733007	**MW-5I**	Water	01/02/24 15:00	01/04/24 12:08
92706733008	**MW-5**	Water	01/02/24 15:15	01/04/24 12:08
92706733009	**MW-7I**	Water	01/02/24 15:25	01/04/24 12:08
92706733010	**MW-6I**	Water	01/02/24 15:45	01/04/24 12:08
92706733011	**MW-6D**	Water	01/02/24 15:55	01/04/24 12:08
92706733012	**MW-16**	Water	01/03/24 08:45	01/04/24 12:08
92706733013	**MW-12D**	Water	01/03/24 09:00	01/04/24 12:08
92706733014	**MW-12**	Water	01/03/24 09:15	01/04/24 12:08
92706733015	**MW-14**	Water	01/03/24 09:30	01/04/24 12:08
92706733016	**MW-10**	Water	01/03/24 10:30	01/04/24 12:08
92706733017	**MW-10I**	Water	01/03/24 11:50	01/04/24 12:08
92706733018	**MW-8**	Water	01/03/24 12:30	01/04/24 12:08
92706733019	**MW-9**	Water	01/03/24 12:45	01/04/24 12:08
92706733020	**MW-9I**	Water	01/03/24 12:55	01/04/24 12:08
92706733021	**MW-20I**	Water	01/03/24 13:10	01/04/24 12:08
92706733022	**TRIP BLANK**	Water	01/03/24 00:00	01/04/24 12:08

Pace Analytical Services, LLC
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(704)875-9092

SAMPLE ANALYTE COUNT

Project: Newberry SC
Pace Project No.: 92706733

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92706733001	**TMW-31**	EPA 8260D	SAS	62	PASI-C
92706733002	**TMW-23**	EPA 8260D	SAS	62	PASI-C
92706733003	**TMW-22**	EPA 8260D	SAS	62	PASI-C
92706733004	**TMW-21**	EPA 8260D	SAS	62	PASI-C
92706733005	**TMW-24**	EPA 8260D	SAS	62	PASI-C
92706733006	**TMW-25**	EPA 8260D	SAS	62	PASI-C
92706733007	**MW-5I**	EPA 8260D	SAS	62	PASI-C
92706733008	**MW-5**	EPA 8260D	SAS	62	PASI-C
92706733009	**MW-7I**	EPA 8260D	SAS	62	PASI-C
92706733010	**MW-6I**	EPA 8260D	TMH	62	PASI-C
92706733011	**MW-6D**	EPA 8260D	SAS	62	PASI-C
92706733012	**MW-16**	EPA 8260D	SAS	62	PASI-C
92706733013	**MW-12D**	EPA 8260D	TMH	62	PASI-C
92706733014	**MW-12**	EPA 8260D	SAS	62	PASI-C
92706733015	**MW-14**	EPA 8260D	SAS	62	PASI-C
92706733016	**MW-10**	RSK 175 Modified	TEG	3	PASI-C
		EPA 200.7	DJS, JTM	1	PAN
		EPA 8260D	LMB	62	PASI-C
		EPA 9060A	MDW	5	PASI-A
92706733017	**MW-10I**	RSK 175 Modified	TEG	3	PASI-C
		EPA 200.7	DJS, JTM	1	PAN
		EPA 8260D	SAS	62	PASI-C
		EPA 9060A	MDW	5	PASI-A
92706733018	**MW-8**	EPA 8260D	SAS	62	PASI-C
92706733019	**MW-9**	EPA 8260D	SAS	62	PASI-C
92706733020	**MW-9I**	EPA 8260D	SAS	62	PASI-C
92706733021	**MW-20I**	EPA 8260D	SAS	62	PASI-C
92706733022	**TRIP BLANK**	EPA 8260D	LMB	62	PASI-C

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Newberry SC
Pace Project No.: 92706733

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92706733001	**TMW-31**					
EPA 8260D	Trichloroethene	1.1	ug/L	1.0	01/08/24 14:39	
92706733002	**TMW-23**					
EPA 8260D	Acetone	18.1J	ug/L	25.0	01/08/24 16:26	
EPA 8260D	Chloroform	4.3	ug/L	1.0	01/08/24 16:26	
EPA 8260D	cis-1,2-Dichloroethene	0.49J	ug/L	1.0	01/08/24 16:26	
EPA 8260D	Styrene	2.4	ug/L	1.0	01/08/24 16:26	
EPA 8260D	Trichloroethene	111	ug/L	1.0	01/08/24 16:26	
92706733003	**TMW-22**					
EPA 8260D	Acetone	19.0J	ug/L	25.0	01/08/24 16:43	
EPA 8260D	1,1-Dichloroethene	2.2	ug/L	1.0	01/08/24 16:43	
EPA 8260D	cis-1,2-Dichloroethene	19.2	ug/L	1.0	01/08/24 16:43	
EPA 8260D	trans-1,2-Dichloroethene	0.49J	ug/L	1.0	01/08/24 16:43	
EPA 8260D	Trichloroethene	86.9	ug/L	1.0	01/08/24 16:43	
92706733004	**TMW-21**					
EPA 8260D	1,1-Dichloroethene	6.3	ug/L	1.0	01/08/24 17:01	
EPA 8260D	cis-1,2-Dichloroethene	146	ug/L	1.0	01/08/24 17:01	
EPA 8260D	trans-1,2-Dichloroethene	4.2	ug/L	1.0	01/08/24 17:01	
EPA 8260D	Styrene	0.57J	ug/L	1.0	01/08/24 17:01	
EPA 8260D	Trichloroethene	90.1	ug/L	1.0	01/08/24 17:01	
EPA 8260D	Vinyl chloride	1.1	ug/L	1.0	01/08/24 17:01	
92706733005	**TMW-24**					
EPA 8260D	1,1-Dichloroethane	0.61J	ug/L	1.0	01/08/24 17:19	
EPA 8260D	1,2-Dichloroethane	0.37J	ug/L	1.0	01/08/24 17:19	
EPA 8260D	cis-1,2-Dichloroethene	18.6	ug/L	1.0	01/08/24 17:19	
EPA 8260D	Styrene	0.39J	ug/L	1.0	01/08/24 17:19	
EPA 8260D	Trichloroethene	93.8	ug/L	1.0	01/08/24 17:19	
EPA 8260D	Vinyl chloride	1.2	ug/L	1.0	01/08/24 17:19	
92706733006	**TMW-25**					
EPA 8260D	Styrene	13.0	ug/L	1.0	01/08/24 14:57	
EPA 8260D	Trichloroethene	51.9	ug/L	1.0	01/08/24 14:57	
92706733007	**MW-5I**					
EPA 8260D	Acetone	1160	ug/L	125	01/08/24 20:18	
EPA 8260D	1,2-Dichloroethane	2.8J	ug/L	5.0	01/08/24 20:18	
EPA 8260D	Trichloroethene	296	ug/L	5.0	01/08/24 20:18	
92706733008	**MW-5**					
EPA 8260D	Acetone	128	ug/L	50.0	01/08/24 18:49	
EPA 8260D	Trichloroethene	210	ug/L	2.0	01/08/24 18:49	
92706733009	**MW-7I**					
EPA 8260D	Acetone	167	ug/L	50.0	01/08/24 19:06	
EPA 8260D	1,1-Dichloroethane	2.1	ug/L	2.0	01/08/24 19:06	
EPA 8260D	1,1-Dichloroethene	3.7	ug/L	2.0	01/08/24 19:06	
EPA 8260D	cis-1,2-Dichloroethene	125	ug/L	2.0	01/08/24 19:06	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

SUMMARY OF DETECTION

Project: Newberry SC
Pace Project No.: 92706733

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92706733009	**MW-7I**					
EPA 8260D	trans-1,2-Dichloroethene	1.1J	ug/L	2.0	01/08/24 19:06	
EPA 8260D	Trichloroethene	251	ug/L	2.0	01/08/24 19:06	
EPA 8260D	Xylene (Total)	1.1J	ug/L	2.0	01/08/24 19:06	
EPA 8260D	o-Xylene	1.1J	ug/L	2.0	01/08/24 19:06	
92706733010	**MW-6I**					
EPA 8260D	Acetone	387	ug/L	50.0	01/11/24 01:43	
EPA 8260D	Benzene	2.1	ug/L	2.0	01/11/24 01:43	
EPA 8260D	cis-1,2-Dichloroethene	16.1	ug/L	2.0	01/11/24 01:43	
EPA 8260D	Trichloroethene	18.2	ug/L	2.0	01/11/24 01:43	
92706733011	**MW-6D**					
EPA 8260D	Acetone	167	ug/L	25.0	01/08/24 17:37	
EPA 8260D	Trichloroethene	133	ug/L	1.0	01/08/24 17:37	
92706733012	**MW-16**					
EPA 8260D	Acetone	92.2	ug/L	25.0	01/08/24 17:55	
EPA 8260D	Trichloroethene	67.8	ug/L	1.0	01/08/24 17:55	
92706733013	**MW-12D**					
EPA 8260D	Acetone	487	ug/L	50.0	01/11/24 02:20	
EPA 8260D	Benzene	2.1	ug/L	2.0	01/11/24 02:20	
EPA 8260D	cis-1,2-Dichloroethene	9.2	ug/L	2.0	01/11/24 02:20	
EPA 8260D	Trichloroethene	53.2	ug/L	2.0	01/11/24 02:20	
92706733014	**MW-12**					
EPA 8260D	Acetone	47.3	ug/L	25.0	01/08/24 15:32	
EPA 8260D	1,1-Dichloroethane	0.38J	ug/L	1.0	01/08/24 15:32	
EPA 8260D	1,1-Dichloroethene	0.62J	ug/L	1.0	01/08/24 15:32	
EPA 8260D	cis-1,2-Dichloroethene	28.3	ug/L	1.0	01/08/24 15:32	
EPA 8260D	Trichloroethene	50.2	ug/L	1.0	01/08/24 15:32	
92706733015	**MW-14**					
EPA 8260D	Acetone	259	ug/L	25.0	01/08/24 18:31	
EPA 8260D	Trichloroethene	139	ug/L	1.0	01/08/24 18:31	
92706733016	**MW-10**					
RSK 175 Modified	Methane	4720	ug/L	10.0	01/09/24 13:53	
EPA 200.7	Iron	26700	ug/L	50.0	01/11/24 09:49	
EPA 200.7	Iron, Dissolved	15500	ug/L	50.0	01/12/24 18:02	
EPA 8260D	1,2-Dichloroethane	3.1J	ug/L	4.0	01/05/24 16:28	
EPA 8260D	cis-1,2-Dichloroethene	16.0	ug/L	4.0	01/05/24 16:28	
EPA 8260D	trans-1,2-Dichloroethene	2.1J	ug/L	4.0	01/05/24 16:28	
EPA 8260D	Trichloroethene	567	ug/L	4.0	01/05/24 16:28	
EPA 9060A	Total Organic Carbon	26.4	mg/L	1.0	01/16/24 18:06	
EPA 9060A	Total Organic Carbon	26.0	mg/L	1.0	01/16/24 18:06	
EPA 9060A	Total Organic Carbon	25.9	mg/L	1.0	01/16/24 18:06	
EPA 9060A	Total Organic Carbon	26.1	mg/L	1.0	01/16/24 18:06	
EPA 9060A	Mean Total Organic Carbon	26.1	mg/L	1.0	01/16/24 18:06	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: Newberry SC
Pace Project No.: 92706733

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92706733017	**MW-10I**					
RSK 175 Modified	Methane	257	ug/L	10.0	01/09/24 14:09	
EPA 200.7	Iron	2030	ug/L	50.0	01/11/24 09:52	
EPA 200.7	Iron, Dissolved	141	ug/L	50.0	01/12/24 18:05	
EPA 8260D	cis-1,2-Dichloroethene	164	ug/L	4.0	01/08/24 20:00	
EPA 8260D	Trichloroethene	617	ug/L	4.0	01/08/24 20:00	
92706733018	**MW-8**					
EPA 8260D	Acetone	394	ug/L	62.5	01/08/24 19:24	
EPA 8260D	1,1-Dichloroethene	3.1	ug/L	2.5	01/08/24 19:24	
EPA 8260D	cis-1,2-Dichloroethene	130	ug/L	2.5	01/08/24 19:24	
EPA 8260D	trans-1,2-Dichloroethene	5.9	ug/L	2.5	01/08/24 19:24	
EPA 8260D	Trichloroethene	412	ug/L	2.5	01/08/24 19:24	
92706733019	**MW-9**					
EPA 8260D	Acetone	223	ug/L	25.0	01/08/24 15:50	
EPA 8260D	cis-1,2-Dichloroethene	4.5	ug/L	1.0	01/08/24 15:50	
EPA 8260D	Trichloroethene	44.8	ug/L	1.0	01/08/24 15:50	
92706733020	**MW-9I**					
EPA 8260D	Acetone	819	ug/L	125	01/08/24 20:35	
EPA 8260D	cis-1,2-Dichloroethene	48.8	ug/L	5.0	01/08/24 20:35	
EPA 8260D	Trichloroethene	716	ug/L	5.0	01/08/24 20:35	
92706733021	**MW-20I**					
EPA 8260D	Acetone	276	ug/L	25.0	01/08/24 16:08	
EPA 8260D	Benzene	0.53J	ug/L	1.0	01/08/24 16:08	
EPA 8260D	cis-1,2-Dichloroethene	0.49J	ug/L	1.0	01/08/24 16:08	
EPA 8260D	Trichloroethene	22.8	ug/L	1.0	01/08/24 16:08	

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PROJECT NARRATIVE

Project: Newberry SC
Pace Project No.: 92706733

Method: **RSK 175 Modified**
Description: RSK 175 Headspace
Client: AECOM, SC
Date: January 17, 2024

General Information:
2 samples were analyzed for RSK 175 Modified by Pace Analytical Services Charlotte. 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.

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.

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

Additional Comments:

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: Newberry SC
Pace Project No.: 92706733

Method: **EPA 200.7**
Description: Metals (ICP) 200.7
Client: AECOM, SC
Date: January 17, 2024

General Information:
2 samples were analyzed for EPA 200.7 by Pace National Mt. Juliet. 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.

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:

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: Newberry SC
Pace Project No.: 92706733

Method: **EPA 200.7**
Description: Metals (ICP) 200.7, Diss.
Client: AECOM, SC
Date: January 17, 2024

General Information:
2 samples were analyzed for EPA 200.7 by Pace National Mt. Juliet. 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.

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:

Pace Analytical Services, LLC
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Huntersville, NC 28078
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PROJECT NARRATIVE

Project: Newberry SC
Pace Project No.: 92706733

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: AECOM, SC
Date: January 17, 2024

General Information:
22 samples were analyzed for EPA 8260D by Pace Analytical Services Charlotte. 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.

QC Batch: 824231

v2: The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

- DUP (Lab ID: 4263283)
  - Bromomethane

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

- MS (Lab ID: 4263282)
  - Bromomethane

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

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

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

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

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

QC Batch: 823710

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92706859001

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

- MS (Lab ID: 4261054)
  - Hexachloro-1,3-butadiene

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PROJECT NARRATIVE

Project: Newberry SC
Pace Project No.: 92706733

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: AECOM, SC
Date: January 17, 2024

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

Additional Comments:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: Newberry SC
Pace Project No.: 92706733

Method: **EPA 9060A**
Description: Total Organic Carbon,Asheville
Client: AECOM, SC
Date: January 17, 2024

General Information:
2 samples were analyzed for EPA 9060A by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

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

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

Additional Comments:

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

Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TMW-31 **Lab ID: 92706733001** Collected: 01/02/24 09:58 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		01/08/24 14:39	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		01/08/24 14:39	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/08/24 14:39	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/08/24 14:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/08/24 14:39	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/08/24 14:39	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/08/24 14:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/08/24 14:39	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/08/24 14:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/08/24 14:39	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/08/24 14:39	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		01/08/24 14:39	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/08/24 14:39	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 14:39	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 14:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/08/24 14:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/08/24 14:39	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/08/24 14:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 14:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 14:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/24 14:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/08/24 14:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		01/08/24 14:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 14:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		01/08/24 14:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		01/08/24 14:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		01/08/24 14:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/08/24 14:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/08/24 14:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/08/24 14:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/08/24 14:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 14:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 14:39	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/08/24 14:39	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/24 14:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/08/24 14:39	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		01/08/24 14:39	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/08/24 14:39	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/08/24 14:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/08/24 14:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/08/24 14:39	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/08/24 14:39	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		01/08/24 14:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/08/24 14:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/08/24 14:39	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TMW-31 **Lab ID: 92706733001** Collected: 01/02/24 09:58 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/08/24 14:39	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/08/24 14:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/08/24 14:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/08/24 14:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/08/24 14:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 14:39	79-00-5	
Trichloroethene	**1.1**	ug/L	1.0	0.38	1		01/08/24 14:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/08/24 14:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/08/24 14:39	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/08/24 14:39	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		01/08/24 14:39	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/08/24 14:39	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/08/24 14:39	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/08/24 14:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/08/24 14:39	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1		01/08/24 14:39	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/08/24 14:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TMW-23 **Lab ID: 92706733002** Collected: 01/02/24 10:55 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**18.1J**	ug/L	25.0	5.1	1		01/08/24 16:26	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		01/08/24 16:26	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/08/24 16:26	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/08/24 16:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/08/24 16:26	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/08/24 16:26	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/08/24 16:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/08/24 16:26	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/08/24 16:26	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/08/24 16:26	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/08/24 16:26	75-00-3	
Chloroform	**4.3**	ug/L	1.0	0.43	1		01/08/24 16:26	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/08/24 16:26	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 16:26	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 16:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/08/24 16:26	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/08/24 16:26	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/08/24 16:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 16:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 16:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/24 16:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/08/24 16:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		01/08/24 16:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 16:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		01/08/24 16:26	75-35-4	
cis-1,2-Dichloroethene	**0.49J**	ug/L	1.0	0.38	1		01/08/24 16:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		01/08/24 16:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/08/24 16:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/08/24 16:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/08/24 16:26	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/08/24 16:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 16:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 16:26	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/08/24 16:26	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/24 16:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/08/24 16:26	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		01/08/24 16:26	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/08/24 16:26	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/08/24 16:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/08/24 16:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/08/24 16:26	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/08/24 16:26	91-20-3	
Styrene	**2.4**	ug/L	1.0	0.29	1		01/08/24 16:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/08/24 16:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/08/24 16:26	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TMW-23 **Lab ID: 92706733002** Collected: 01/02/24 10:55 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/08/24 16:26	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/08/24 16:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/08/24 16:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/08/24 16:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/08/24 16:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 16:26	79-00-5	
Trichloroethene	**111**	ug/L	1.0	0.38	1		01/08/24 16:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/08/24 16:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/08/24 16:26	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/08/24 16:26	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		01/08/24 16:26	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/08/24 16:26	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/08/24 16:26	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/08/24 16:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/08/24 16:26	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		01/08/24 16:26	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		01/08/24 16:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TMW-22 **Lab ID: 92706733003** Collected: 01/02/24 11:35 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**19.0J**	ug/L	25.0	5.1	1		01/08/24 16:43	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		01/08/24 16:43	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/08/24 16:43	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/08/24 16:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/08/24 16:43	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/08/24 16:43	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/08/24 16:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/08/24 16:43	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/08/24 16:43	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/08/24 16:43	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/08/24 16:43	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		01/08/24 16:43	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/08/24 16:43	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 16:43	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 16:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/08/24 16:43	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/08/24 16:43	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/08/24 16:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 16:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 16:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/24 16:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/08/24 16:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		01/08/24 16:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 16:43	107-06-2	
1,1-Dichloroethene	**2.2**	ug/L	1.0	0.35	1		01/08/24 16:43	75-35-4	
cis-1,2-Dichloroethene	**19.2**	ug/L	1.0	0.38	1		01/08/24 16:43	156-59-2	
trans-1,2-Dichloroethene	**0.49J**	ug/L	1.0	0.40	1		01/08/24 16:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/08/24 16:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/08/24 16:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/08/24 16:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/08/24 16:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 16:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 16:43	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/08/24 16:43	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/24 16:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/08/24 16:43	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		01/08/24 16:43	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/08/24 16:43	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/08/24 16:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/08/24 16:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/08/24 16:43	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/08/24 16:43	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		01/08/24 16:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/08/24 16:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/08/24 16:43	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TMW-22 **Lab ID: 92706733003** Collected: 01/02/24 11:35 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/08/24 16:43	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/08/24 16:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/08/24 16:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/08/24 16:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/08/24 16:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 16:43	79-00-5	
Trichloroethene	**86.9**	ug/L	1.0	0.38	1		01/08/24 16:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/08/24 16:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/08/24 16:43	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/08/24 16:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		01/08/24 16:43	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/08/24 16:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/08/24 16:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/08/24 16:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/08/24 16:43	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		01/08/24 16:43	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/08/24 16:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TMW-21 **Lab ID: 92706733004** Collected: 01/02/24 12:18 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		01/08/24 17:01	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		01/08/24 17:01	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/08/24 17:01	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/08/24 17:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/08/24 17:01	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/08/24 17:01	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/08/24 17:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/08/24 17:01	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/08/24 17:01	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/08/24 17:01	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/08/24 17:01	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		01/08/24 17:01	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/08/24 17:01	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 17:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 17:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/08/24 17:01	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/08/24 17:01	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/08/24 17:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 17:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 17:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/24 17:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/08/24 17:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		01/08/24 17:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 17:01	107-06-2	
1,1-Dichloroethene	**6.3**	ug/L	1.0	0.35	1		01/08/24 17:01	75-35-4	
cis-1,2-Dichloroethene	**146**	ug/L	1.0	0.38	1		01/08/24 17:01	156-59-2	
trans-1,2-Dichloroethene	**4.2**	ug/L	1.0	0.40	1		01/08/24 17:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/08/24 17:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/08/24 17:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/08/24 17:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/08/24 17:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 17:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 17:01	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/08/24 17:01	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/24 17:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/08/24 17:01	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		01/08/24 17:01	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/08/24 17:01	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/08/24 17:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/08/24 17:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/08/24 17:01	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/08/24 17:01	91-20-3	
Styrene	**0.57J**	ug/L	1.0	0.29	1		01/08/24 17:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/08/24 17:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/08/24 17:01	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TMW-21 **Lab ID: 92706733004** Collected: 01/02/24 12:18 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/08/24 17:01	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/08/24 17:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/08/24 17:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/08/24 17:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/08/24 17:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 17:01	79-00-5	
Trichloroethene	**90.1**	ug/L	1.0	0.38	1		01/08/24 17:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/08/24 17:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/08/24 17:01	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/08/24 17:01	108-05-4	
Vinyl chloride	**1.1**	ug/L	1.0	0.39	1		01/08/24 17:01	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/08/24 17:01	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/08/24 17:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/08/24 17:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/08/24 17:01	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		01/08/24 17:01	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		01/08/24 17:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TMW-24 **Lab ID: 92706733005** Collected: 01/02/24 13:18 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		01/08/24 17:19	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		01/08/24 17:19	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/08/24 17:19	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/08/24 17:19	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/08/24 17:19	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/08/24 17:19	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/08/24 17:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/08/24 17:19	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/08/24 17:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/08/24 17:19	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/08/24 17:19	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		01/08/24 17:19	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/08/24 17:19	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 17:19	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 17:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/08/24 17:19	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/08/24 17:19	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/08/24 17:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 17:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 17:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/24 17:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/08/24 17:19	75-71-8	
1,1-Dichloroethane	**0.61J**	ug/L	1.0	0.37	1		01/08/24 17:19	75-34-3	
1,2-Dichloroethane	**0.37J**	ug/L	1.0	0.32	1		01/08/24 17:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		01/08/24 17:19	75-35-4	
cis-1,2-Dichloroethene	**18.6**	ug/L	1.0	0.38	1		01/08/24 17:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		01/08/24 17:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/08/24 17:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/08/24 17:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/08/24 17:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/08/24 17:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 17:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 17:19	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/08/24 17:19	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/24 17:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/08/24 17:19	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		01/08/24 17:19	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/08/24 17:19	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/08/24 17:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/08/24 17:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/08/24 17:19	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/08/24 17:19	91-20-3	
Styrene	**0.39J**	ug/L	1.0	0.29	1		01/08/24 17:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/08/24 17:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/08/24 17:19	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TMW-24 **Lab ID: 92706733005** Collected: 01/02/24 13:18 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/08/24 17:19	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/08/24 17:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/08/24 17:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/08/24 17:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/08/24 17:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 17:19	79-00-5	
Trichloroethene	**93.8**	ug/L	1.0	0.38	1		01/08/24 17:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/08/24 17:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/08/24 17:19	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/08/24 17:19	108-05-4	
Vinyl chloride	**1.2**	ug/L	1.0	0.39	1		01/08/24 17:19	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/08/24 17:19	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/08/24 17:19	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/08/24 17:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/08/24 17:19	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1		01/08/24 17:19	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		01/08/24 17:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TMW-25 **Lab ID: 92706733006** Collected: 01/02/24 14:45 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		01/08/24 14:57	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		01/08/24 14:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/08/24 14:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/08/24 14:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/08/24 14:57	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/08/24 14:57	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/08/24 14:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/08/24 14:57	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/08/24 14:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/08/24 14:57	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/08/24 14:57	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		01/08/24 14:57	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/08/24 14:57	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 14:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 14:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/08/24 14:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/08/24 14:57	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/08/24 14:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 14:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 14:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/24 14:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/08/24 14:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		01/08/24 14:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 14:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		01/08/24 14:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		01/08/24 14:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		01/08/24 14:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/08/24 14:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/08/24 14:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/08/24 14:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/08/24 14:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 14:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 14:57	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/08/24 14:57	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/24 14:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/08/24 14:57	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		01/08/24 14:57	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/08/24 14:57	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/08/24 14:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/08/24 14:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/08/24 14:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/08/24 14:57	91-20-3	
Styrene	**13.0**	ug/L	1.0	0.29	1		01/08/24 14:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/08/24 14:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/08/24 14:57	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TMW-25 **Lab ID: 92706733006** Collected: 01/02/24 14:45 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/08/24 14:57	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/08/24 14:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/08/24 14:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/08/24 14:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/08/24 14:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 14:57	79-00-5	
Trichloroethene	**51.9**	ug/L	1.0	0.38	1		01/08/24 14:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/08/24 14:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/08/24 14:57	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/08/24 14:57	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		01/08/24 14:57	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/08/24 14:57	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/08/24 14:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/08/24 14:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		01/08/24 14:57	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		01/08/24 14:57	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/08/24 14:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-5I **Lab ID: 92706733007** Collected: 01/02/24 15:00 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**1160**	ug/L	125	25.6	5		01/08/24 20:18	67-64-1	
Benzene	ND	ug/L	5.0	1.7	5		01/08/24 20:18	71-43-2	
Bromobenzene	ND	ug/L	5.0	1.4	5		01/08/24 20:18	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.3	5		01/08/24 20:18	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1.5	5		01/08/24 20:18	75-27-4	
Bromoform	ND	ug/L	5.0	1.7	5		01/08/24 20:18	75-25-2	
Bromomethane	ND	ug/L	10.0	8.3	5		01/08/24 20:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	19.8	5		01/08/24 20:18	78-93-3	
Carbon tetrachloride	ND	ug/L	5.0	1.7	5		01/08/24 20:18	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1.4	5		01/08/24 20:18	108-90-7	
Chloroethane	ND	ug/L	5.0	3.2	5		01/08/24 20:18	75-00-3	
Chloroform	ND	ug/L	5.0	2.2	5		01/08/24 20:18	67-66-3	
Chloromethane	ND	ug/L	5.0	2.7	5		01/08/24 20:18	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1.6	5		01/08/24 20:18	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1.6	5		01/08/24 20:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1.7	5		01/08/24 20:18	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1.8	5		01/08/24 20:18	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.0	5		01/08/24 20:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1.7	5		01/08/24 20:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1.7	5		01/08/24 20:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1.7	5		01/08/24 20:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1.7	5		01/08/24 20:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1.8	5		01/08/24 20:18	75-34-3	
1,2-Dichloroethane	**2.8J**	ug/L	5.0	1.6	5		01/08/24 20:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1.7	5		01/08/24 20:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1.9	5		01/08/24 20:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.0	5		01/08/24 20:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1.8	5		01/08/24 20:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1.4	5		01/08/24 20:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1.9	5		01/08/24 20:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	2.1	5		01/08/24 20:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		01/08/24 20:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		01/08/24 20:18	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	1.5	5		01/08/24 20:18	108-20-3	
Ethylbenzene	ND	ug/L	5.0	1.5	5		01/08/24 20:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	7.6	5		01/08/24 20:18	87-68-3	
2-Hexanone	ND	ug/L	25.0	2.4	5		01/08/24 20:18	591-78-6	
p-Isopropyltoluene	ND	ug/L	5.0	2.1	5		01/08/24 20:18	99-87-6	
Methylene Chloride	ND	ug/L	25.0	9.8	5		01/08/24 20:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	13.6	5		01/08/24 20:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.1	5		01/08/24 20:18	1634-04-4	
Naphthalene	ND	ug/L	5.0	3.2	5		01/08/24 20:18	91-20-3	
Styrene	ND	ug/L	5.0	1.5	5		01/08/24 20:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1.6	5		01/08/24 20:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	5		01/08/24 20:18	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-5I **Lab ID: 92706733007** Collected: 01/02/24 15:00 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	5.0	1.5	5		01/08/24 20:18	127-18-4	
Toluene	ND	ug/L	5.0	2.4	5		01/08/24 20:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	4.0	5		01/08/24 20:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	3.2	5		01/08/24 20:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1.7	5		01/08/24 20:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1.6	5		01/08/24 20:18	79-00-5	
Trichloroethene	**296**	ug/L	5.0	1.9	5		01/08/24 20:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1.5	5		01/08/24 20:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1.3	5		01/08/24 20:18	96-18-4	
Vinyl acetate	ND	ug/L	10.0	6.6	5		01/08/24 20:18	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1.9	5		01/08/24 20:18	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1.7	5		01/08/24 20:18	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.5	5		01/08/24 20:18	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.7	5		01/08/24 20:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		5		01/08/24 20:18	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130		5		01/08/24 20:18	17060-07-0	
Toluene-d8 (S)	98	%	70-130		5		01/08/24 20:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-5 **Lab ID: 92706733008** Collected: 01/02/24 15:15 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**128**	ug/L	50.0	10.2	2		01/08/24 18:49	67-64-1	
Benzene	ND	ug/L	2.0	0.69	2		01/08/24 18:49	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.58	2		01/08/24 18:49	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.94	2		01/08/24 18:49	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.61	2		01/08/24 18:49	75-27-4	
Bromoform	ND	ug/L	2.0	0.68	2		01/08/24 18:49	75-25-2	
Bromomethane	ND	ug/L	4.0	3.3	2		01/08/24 18:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	7.9	2		01/08/24 18:49	78-93-3	
Carbon tetrachloride	ND	ug/L	2.0	0.67	2		01/08/24 18:49	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.57	2		01/08/24 18:49	108-90-7	
Chloroethane	ND	ug/L	2.0	1.3	2		01/08/24 18:49	75-00-3	
Chloroform	ND	ug/L	2.0	0.86	2		01/08/24 18:49	67-66-3	
Chloromethane	ND	ug/L	2.0	1.1	2		01/08/24 18:49	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.64	2		01/08/24 18:49	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.65	2		01/08/24 18:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	0.68	2		01/08/24 18:49	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.72	2		01/08/24 18:49	124-48-1	
Dibromomethane	ND	ug/L	2.0	0.79	2		01/08/24 18:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.68	2		01/08/24 18:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.68	2		01/08/24 18:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.67	2		01/08/24 18:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.69	2		01/08/24 18:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.73	2		01/08/24 18:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		01/08/24 18:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	0.70	2		01/08/24 18:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	0.77	2		01/08/24 18:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	0.79	2		01/08/24 18:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.71	2		01/08/24 18:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.57	2		01/08/24 18:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	0.78	2		01/08/24 18:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.85	2		01/08/24 18:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		01/08/24 18:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		01/08/24 18:49	10061-02-6	
Diisopropyl ether	ND	ug/L	2.0	0.62	2		01/08/24 18:49	108-20-3	
Ethylbenzene	ND	ug/L	2.0	0.61	2		01/08/24 18:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	3.1	2		01/08/24 18:49	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.95	2		01/08/24 18:49	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.0	0.83	2		01/08/24 18:49	99-87-6	
Methylene Chloride	ND	ug/L	10.0	3.9	2		01/08/24 18:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	5.4	2		01/08/24 18:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		01/08/24 18:49	1634-04-4	
Naphthalene	ND	ug/L	2.0	1.3	2		01/08/24 18:49	91-20-3	
Styrene	ND	ug/L	2.0	0.58	2		01/08/24 18:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.62	2		01/08/24 18:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.45	2		01/08/24 18:49	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-5 **Lab ID: 92706733008** Collected: 01/02/24 15:15 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	2.0	0.58	2		01/08/24 18:49	127-18-4	
Toluene	ND	ug/L	2.0	0.97	2		01/08/24 18:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.6	2		01/08/24 18:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.3	2		01/08/24 18:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	0.66	2		01/08/24 18:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.65	2		01/08/24 18:49	79-00-5	
Trichloroethene	**210**	ug/L	2.0	0.77	2		01/08/24 18:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.60	2		01/08/24 18:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	0.52	2		01/08/24 18:49	96-18-4	
Vinyl acetate	ND	ug/L	4.0	2.6	2		01/08/24 18:49	108-05-4	
Vinyl chloride	ND	ug/L	2.0	0.77	2		01/08/24 18:49	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.68	2		01/08/24 18:49	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	1.4	2		01/08/24 18:49	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.68	2		01/08/24 18:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		2		01/08/24 18:49	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		2		01/08/24 18:49	17060-07-0	
Toluene-d8 (S)	100	%	70-130		2		01/08/24 18:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-7I **Lab ID: 92706733009** Collected: 01/02/24 15:25 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**167**	ug/L	50.0	10.2	2		01/08/24 19:06	67-64-1	
Benzene	ND	ug/L	2.0	0.69	2		01/08/24 19:06	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.58	2		01/08/24 19:06	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.94	2		01/08/24 19:06	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.61	2		01/08/24 19:06	75-27-4	
Bromoform	ND	ug/L	2.0	0.68	2		01/08/24 19:06	75-25-2	
Bromomethane	ND	ug/L	4.0	3.3	2		01/08/24 19:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	7.9	2		01/08/24 19:06	78-93-3	
Carbon tetrachloride	ND	ug/L	2.0	0.67	2		01/08/24 19:06	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.57	2		01/08/24 19:06	108-90-7	
Chloroethane	ND	ug/L	2.0	1.3	2		01/08/24 19:06	75-00-3	
Chloroform	ND	ug/L	2.0	0.86	2		01/08/24 19:06	67-66-3	
Chloromethane	ND	ug/L	2.0	1.1	2		01/08/24 19:06	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.64	2		01/08/24 19:06	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.65	2		01/08/24 19:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	0.68	2		01/08/24 19:06	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.72	2		01/08/24 19:06	124-48-1	
Dibromomethane	ND	ug/L	2.0	0.79	2		01/08/24 19:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.68	2		01/08/24 19:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.68	2		01/08/24 19:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.67	2		01/08/24 19:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.69	2		01/08/24 19:06	75-71-8	
1,1-Dichloroethane	**2.1**	ug/L	2.0	0.73	2		01/08/24 19:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		01/08/24 19:06	107-06-2	
1,1-Dichloroethene	**3.7**	ug/L	2.0	0.70	2		01/08/24 19:06	75-35-4	
cis-1,2-Dichloroethene	**125**	ug/L	2.0	0.77	2		01/08/24 19:06	156-59-2	
trans-1,2-Dichloroethene	**1.1J**	ug/L	2.0	0.79	2		01/08/24 19:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.71	2		01/08/24 19:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.57	2		01/08/24 19:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	0.78	2		01/08/24 19:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.85	2		01/08/24 19:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		01/08/24 19:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		01/08/24 19:06	10061-02-6	
Diisopropyl ether	ND	ug/L	2.0	0.62	2		01/08/24 19:06	108-20-3	
Ethylbenzene	ND	ug/L	2.0	0.61	2		01/08/24 19:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	3.1	2		01/08/24 19:06	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.95	2		01/08/24 19:06	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.0	0.83	2		01/08/24 19:06	99-87-6	
Methylene Chloride	ND	ug/L	10.0	3.9	2		01/08/24 19:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	5.4	2		01/08/24 19:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		01/08/24 19:06	1634-04-4	
Naphthalene	ND	ug/L	2.0	1.3	2		01/08/24 19:06	91-20-3	
Styrene	ND	ug/L	2.0	0.58	2		01/08/24 19:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.62	2		01/08/24 19:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.45	2		01/08/24 19:06	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-7I **Lab ID: 92706733009** Collected: 01/02/24 15:25 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	2.0	0.58	2		01/08/24 19:06	127-18-4	
Toluene	ND	ug/L	2.0	0.97	2		01/08/24 19:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.6	2		01/08/24 19:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.3	2		01/08/24 19:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	0.66	2		01/08/24 19:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.65	2		01/08/24 19:06	79-00-5	
Trichloroethene	**251**	ug/L	2.0	0.77	2		01/08/24 19:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.60	2		01/08/24 19:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	0.52	2		01/08/24 19:06	96-18-4	
Vinyl acetate	ND	ug/L	4.0	2.6	2		01/08/24 19:06	108-05-4	
Vinyl chloride	ND	ug/L	2.0	0.77	2		01/08/24 19:06	75-01-4	
Xylene (Total)	**1.1J**	ug/L	2.0	0.68	2		01/08/24 19:06	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	1.4	2		01/08/24 19:06	179601-23-1	
o-Xylene	**1.1J**	ug/L	2.0	0.68	2		01/08/24 19:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		2		01/08/24 19:06	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		2		01/08/24 19:06	17060-07-0	
Toluene-d8 (S)	101	%	70-130		2		01/08/24 19:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-6I **Lab ID: 92706733010** Collected: 01/02/24 15:45 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**387**	ug/L	50.0	10.2	2		01/11/24 01:43	67-64-1	
Benzene	**2.1**	ug/L	2.0	0.69	2		01/11/24 01:43	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.58	2		01/11/24 01:43	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.94	2		01/11/24 01:43	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.61	2		01/11/24 01:43	75-27-4	
Bromoform	ND	ug/L	2.0	0.68	2		01/11/24 01:43	75-25-2	
Bromomethane	ND	ug/L	4.0	3.3	2		01/11/24 01:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	7.9	2		01/11/24 01:43	78-93-3	
Carbon tetrachloride	ND	ug/L	2.0	0.67	2		01/11/24 01:43	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.57	2		01/11/24 01:43	108-90-7	
Chloroethane	ND	ug/L	2.0	1.3	2		01/11/24 01:43	75-00-3	
Chloroform	ND	ug/L	2.0	0.86	2		01/11/24 01:43	67-66-3	
Chloromethane	ND	ug/L	2.0	1.1	2		01/11/24 01:43	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.64	2		01/11/24 01:43	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.65	2		01/11/24 01:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	0.68	2		01/11/24 01:43	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.72	2		01/11/24 01:43	124-48-1	
Dibromomethane	ND	ug/L	2.0	0.79	2		01/11/24 01:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.68	2		01/11/24 01:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.68	2		01/11/24 01:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.67	2		01/11/24 01:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.69	2		01/11/24 01:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.73	2		01/11/24 01:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		01/11/24 01:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	0.70	2		01/11/24 01:43	75-35-4	
cis-1,2-Dichloroethene	**16.1**	ug/L	2.0	0.77	2		01/11/24 01:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	0.79	2		01/11/24 01:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.71	2		01/11/24 01:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.57	2		01/11/24 01:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	0.78	2		01/11/24 01:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.85	2		01/11/24 01:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		01/11/24 01:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		01/11/24 01:43	10061-02-6	
Diisopropyl ether	ND	ug/L	2.0	0.62	2		01/11/24 01:43	108-20-3	
Ethylbenzene	ND	ug/L	2.0	0.61	2		01/11/24 01:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	3.1	2		01/11/24 01:43	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.95	2		01/11/24 01:43	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.0	0.83	2		01/11/24 01:43	99-87-6	
Methylene Chloride	ND	ug/L	10.0	3.9	2		01/11/24 01:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	5.4	2		01/11/24 01:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		01/11/24 01:43	1634-04-4	
Naphthalene	ND	ug/L	2.0	1.3	2		01/11/24 01:43	91-20-3	
Styrene	ND	ug/L	2.0	0.58	2		01/11/24 01:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.62	2		01/11/24 01:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.45	2		01/11/24 01:43	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-6I **Lab ID: 92706733010** Collected: 01/02/24 15:45 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	2.0	0.58	2		01/11/24 01:43	127-18-4	
Toluene	ND	ug/L	2.0	0.97	2		01/11/24 01:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.6	2		01/11/24 01:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.3	2		01/11/24 01:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	0.66	2		01/11/24 01:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.65	2		01/11/24 01:43	79-00-5	
Trichloroethene	**18.2**	ug/L	2.0	0.77	2		01/11/24 01:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.60	2		01/11/24 01:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	0.52	2		01/11/24 01:43	96-18-4	
Vinyl acetate	ND	ug/L	4.0	2.6	2		01/11/24 01:43	108-05-4	
Vinyl chloride	ND	ug/L	2.0	0.77	2		01/11/24 01:43	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.68	2		01/11/24 01:43	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	1.4	2		01/11/24 01:43	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.68	2		01/11/24 01:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		2		01/11/24 01:43	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		2		01/11/24 01:43	17060-07-0	
Toluene-d8 (S)	104	%	70-130		2		01/11/24 01:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-6D **Lab ID: 92706733011** Collected: 01/02/24 15:55 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**167**	ug/L	25.0	5.1	1		01/08/24 17:37	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		01/08/24 17:37	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/08/24 17:37	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/08/24 17:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/08/24 17:37	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/08/24 17:37	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/08/24 17:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/08/24 17:37	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/08/24 17:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/08/24 17:37	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/08/24 17:37	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		01/08/24 17:37	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/08/24 17:37	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 17:37	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 17:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/08/24 17:37	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/08/24 17:37	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/08/24 17:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 17:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 17:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/24 17:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/08/24 17:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		01/08/24 17:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 17:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		01/08/24 17:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		01/08/24 17:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		01/08/24 17:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/08/24 17:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/08/24 17:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/08/24 17:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/08/24 17:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 17:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 17:37	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/08/24 17:37	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/24 17:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/08/24 17:37	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		01/08/24 17:37	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/08/24 17:37	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/08/24 17:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/08/24 17:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/08/24 17:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/08/24 17:37	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		01/08/24 17:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/08/24 17:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/08/24 17:37	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-6D **Lab ID: 92706733011** Collected: 01/02/24 15:55 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/08/24 17:37	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/08/24 17:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/08/24 17:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/08/24 17:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/08/24 17:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 17:37	79-00-5	
Trichloroethene	**133**	ug/L	1.0	0.38	1		01/08/24 17:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/08/24 17:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/08/24 17:37	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/08/24 17:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		01/08/24 17:37	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/08/24 17:37	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/08/24 17:37	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/08/24 17:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/08/24 17:37	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1		01/08/24 17:37	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/08/24 17:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-16 **Lab ID: 92706733012** Collected: 01/03/24 08:45 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**92.2**	ug/L	25.0	5.1	1		01/08/24 17:55	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		01/08/24 17:55	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/08/24 17:55	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/08/24 17:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/08/24 17:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/08/24 17:55	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/08/24 17:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/08/24 17:55	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/08/24 17:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/08/24 17:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/08/24 17:55	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		01/08/24 17:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/08/24 17:55	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 17:55	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 17:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/08/24 17:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/08/24 17:55	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/08/24 17:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 17:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 17:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/24 17:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/08/24 17:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		01/08/24 17:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 17:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		01/08/24 17:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		01/08/24 17:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		01/08/24 17:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/08/24 17:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/08/24 17:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/08/24 17:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/08/24 17:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 17:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 17:55	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/08/24 17:55	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/24 17:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/08/24 17:55	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		01/08/24 17:55	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/08/24 17:55	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/08/24 17:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/08/24 17:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/08/24 17:55	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/08/24 17:55	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		01/08/24 17:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/08/24 17:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/08/24 17:55	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-16 **Lab ID: 92706733012** Collected: 01/03/24 08:45 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/08/24 17:55	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/08/24 17:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/08/24 17:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/08/24 17:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/08/24 17:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 17:55	79-00-5	
Trichloroethene	**67.8**	ug/L	1.0	0.38	1		01/08/24 17:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/08/24 17:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/08/24 17:55	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/08/24 17:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		01/08/24 17:55	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/08/24 17:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/08/24 17:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/08/24 17:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		01/08/24 17:55	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		01/08/24 17:55	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/08/24 17:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-12D **Lab ID: 92706733013** Collected: 01/03/24 09:00 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**487**	ug/L	50.0	10.2	2		01/11/24 02:20	67-64-1	
Benzene	**2.1**	ug/L	2.0	0.69	2		01/11/24 02:20	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.58	2		01/11/24 02:20	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.94	2		01/11/24 02:20	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.61	2		01/11/24 02:20	75-27-4	
Bromoform	ND	ug/L	2.0	0.68	2		01/11/24 02:20	75-25-2	
Bromomethane	ND	ug/L	4.0	3.3	2		01/11/24 02:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	7.9	2		01/11/24 02:20	78-93-3	
Carbon tetrachloride	ND	ug/L	2.0	0.67	2		01/11/24 02:20	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.57	2		01/11/24 02:20	108-90-7	
Chloroethane	ND	ug/L	2.0	1.3	2		01/11/24 02:20	75-00-3	
Chloroform	ND	ug/L	2.0	0.86	2		01/11/24 02:20	67-66-3	
Chloromethane	ND	ug/L	2.0	1.1	2		01/11/24 02:20	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.64	2		01/11/24 02:20	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.65	2		01/11/24 02:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	0.68	2		01/11/24 02:20	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.72	2		01/11/24 02:20	124-48-1	
Dibromomethane	ND	ug/L	2.0	0.79	2		01/11/24 02:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.68	2		01/11/24 02:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.68	2		01/11/24 02:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.67	2		01/11/24 02:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.69	2		01/11/24 02:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.73	2		01/11/24 02:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		01/11/24 02:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	0.70	2		01/11/24 02:20	75-35-4	
cis-1,2-Dichloroethene	**9.2**	ug/L	2.0	0.77	2		01/11/24 02:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	0.79	2		01/11/24 02:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.71	2		01/11/24 02:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.57	2		01/11/24 02:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	0.78	2		01/11/24 02:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.85	2		01/11/24 02:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		01/11/24 02:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		01/11/24 02:20	10061-02-6	
Diisopropyl ether	ND	ug/L	2.0	0.62	2		01/11/24 02:20	108-20-3	
Ethylbenzene	ND	ug/L	2.0	0.61	2		01/11/24 02:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	3.1	2		01/11/24 02:20	87-68-3	
2-Hexanone	ND	ug/L	10.0	0.95	2		01/11/24 02:20	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.0	0.83	2		01/11/24 02:20	99-87-6	
Methylene Chloride	ND	ug/L	10.0	3.9	2		01/11/24 02:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	5.4	2		01/11/24 02:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		01/11/24 02:20	1634-04-4	
Naphthalene	ND	ug/L	2.0	1.3	2		01/11/24 02:20	91-20-3	
Styrene	ND	ug/L	2.0	0.58	2		01/11/24 02:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.62	2		01/11/24 02:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.45	2		01/11/24 02:20	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-12D **Lab ID: 92706733013** Collected: 01/03/24 09:00 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	2.0	0.58	2		01/11/24 02:20	127-18-4	
Toluene	ND	ug/L	2.0	0.97	2		01/11/24 02:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.6	2		01/11/24 02:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.3	2		01/11/24 02:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	0.66	2		01/11/24 02:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.65	2		01/11/24 02:20	79-00-5	
Trichloroethene	**53.2**	ug/L	2.0	0.77	2		01/11/24 02:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.60	2		01/11/24 02:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	0.52	2		01/11/24 02:20	96-18-4	
Vinyl acetate	ND	ug/L	4.0	2.6	2		01/11/24 02:20	108-05-4	
Vinyl chloride	ND	ug/L	2.0	0.77	2		01/11/24 02:20	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.68	2		01/11/24 02:20	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	1.4	2		01/11/24 02:20	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.68	2		01/11/24 02:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		2		01/11/24 02:20	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		2		01/11/24 02:20	17060-07-0	
Toluene-d8 (S)	101	%	70-130		2		01/11/24 02:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-12 **Lab ID: 92706733014** Collected: 01/03/24 09:15 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**47.3**	ug/L	25.0	5.1	1		01/08/24 15:32	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		01/08/24 15:32	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/08/24 15:32	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/08/24 15:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/08/24 15:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/08/24 15:32	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/08/24 15:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/08/24 15:32	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/08/24 15:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/08/24 15:32	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/08/24 15:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		01/08/24 15:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/08/24 15:32	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 15:32	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 15:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/08/24 15:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/08/24 15:32	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/08/24 15:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 15:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 15:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/24 15:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/08/24 15:32	75-71-8	
1,1-Dichloroethane	**0.38J**	ug/L	1.0	0.37	1		01/08/24 15:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 15:32	107-06-2	
1,1-Dichloroethene	**0.62J**	ug/L	1.0	0.35	1		01/08/24 15:32	75-35-4	
cis-1,2-Dichloroethene	**28.3**	ug/L	1.0	0.38	1		01/08/24 15:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		01/08/24 15:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/08/24 15:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/08/24 15:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/08/24 15:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/08/24 15:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 15:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 15:32	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/08/24 15:32	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/24 15:32	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/08/24 15:32	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		01/08/24 15:32	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/08/24 15:32	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/08/24 15:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/08/24 15:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/08/24 15:32	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/08/24 15:32	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		01/08/24 15:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/08/24 15:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/08/24 15:32	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-12 **Lab ID: 92706733014** Collected: 01/03/24 09:15 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/08/24 15:32	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/08/24 15:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/08/24 15:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/08/24 15:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/08/24 15:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 15:32	79-00-5	
Trichloroethene	**50.2**	ug/L	1.0	0.38	1		01/08/24 15:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/08/24 15:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/08/24 15:32	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/08/24 15:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		01/08/24 15:32	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/08/24 15:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/08/24 15:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/08/24 15:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/08/24 15:32	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		01/08/24 15:32	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		01/08/24 15:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-14 **Lab ID: 92706733015** Collected: 01/03/24 09:30 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**259**	ug/L	25.0	5.1	1		01/08/24 18:31	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		01/08/24 18:31	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/08/24 18:31	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/08/24 18:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/08/24 18:31	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/08/24 18:31	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/08/24 18:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/08/24 18:31	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/08/24 18:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/08/24 18:31	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/08/24 18:31	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		01/08/24 18:31	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/08/24 18:31	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 18:31	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 18:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/08/24 18:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/08/24 18:31	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/08/24 18:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 18:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 18:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/24 18:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/08/24 18:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		01/08/24 18:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 18:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		01/08/24 18:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		01/08/24 18:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		01/08/24 18:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/08/24 18:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/08/24 18:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/08/24 18:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/08/24 18:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 18:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 18:31	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/08/24 18:31	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/24 18:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/08/24 18:31	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		01/08/24 18:31	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/08/24 18:31	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/08/24 18:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/08/24 18:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/08/24 18:31	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/08/24 18:31	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		01/08/24 18:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/08/24 18:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/08/24 18:31	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-14 **Lab ID: 92706733015** Collected: 01/03/24 09:30 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/08/24 18:31	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/08/24 18:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/08/24 18:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/08/24 18:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/08/24 18:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 18:31	79-00-5	
Trichloroethene	**139**	ug/L	1.0	0.38	1		01/08/24 18:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/08/24 18:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/08/24 18:31	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/08/24 18:31	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		01/08/24 18:31	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/08/24 18:31	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/08/24 18:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/08/24 18:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/08/24 18:31	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		01/08/24 18:31	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/08/24 18:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-10 **Lab ID: 92706733016** Collected: 01/03/24 10:30 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Headspace	Analytical Method: RSK 175 Modified Pace Analytical Services - Charlotte								
Ethane	ND	ug/L	10.0	5.9	1		01/09/24 13:53	74-84-0	
Ethene	ND	ug/L	10.0	5.7	1		01/09/24 13:53	74-85-1	
Methane	**4720**	ug/L	10.0	5.3	1		01/09/24 13:53	74-82-8	
Metals (ICP) 200.7	Analytical Method: EPA 200.7 Preparation Method: 200.7 Pace National - Mt. Juliet								
Iron	**26700**	ug/L	50.0	20.5	1	01/10/24 23:13	01/11/24 09:49	7439-89-6	
Iron, Dissolved	**15500**	ug/L	50.0	20.5	1	01/12/24 08:22	01/12/24 18:02	7439-89-6	
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	100	20.4	4		01/05/24 16:28	67-64-1	
Benzene	ND	ug/L	4.0	1.4	4		01/05/24 16:28	71-43-2	
Bromobenzene	ND	ug/L	4.0	1.2	4		01/05/24 16:28	108-86-1	
Bromochloromethane	ND	ug/L	4.0	1.9	4		01/05/24 16:28	74-97-5	
Bromodichloromethane	ND	ug/L	4.0	1.2	4		01/05/24 16:28	75-27-4	
Bromoform	ND	ug/L	4.0	1.4	4		01/05/24 16:28	75-25-2	
Bromomethane	ND	ug/L	8.0	6.6	4		01/05/24 16:28	74-83-9	IH
2-Butanone (MEK)	ND	ug/L	20.0	15.8	4		01/05/24 16:28	78-93-3	
Carbon tetrachloride	ND	ug/L	4.0	1.3	4		01/05/24 16:28	56-23-5	
Chlorobenzene	ND	ug/L	4.0	1.1	4		01/05/24 16:28	108-90-7	
Chloroethane	ND	ug/L	4.0	2.6	4		01/05/24 16:28	75-00-3	
Chloroform	ND	ug/L	4.0	1.7	4		01/05/24 16:28	67-66-3	
Chloromethane	ND	ug/L	4.0	2.2	4		01/05/24 16:28	74-87-3	
2-Chlorotoluene	ND	ug/L	4.0	1.3	4		01/05/24 16:28	95-49-8	
4-Chlorotoluene	ND	ug/L	4.0	1.3	4		01/05/24 16:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	1.4	4		01/05/24 16:28	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1.4	4		01/05/24 16:28	124-48-1	
Dibromomethane	ND	ug/L	4.0	1.6	4		01/05/24 16:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	4.0	1.4	4		01/05/24 16:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	4.0	1.4	4		01/05/24 16:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	4.0	1.3	4		01/05/24 16:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	4.0	1.4	4		01/05/24 16:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	4.0	1.5	4		01/05/24 16:28	75-34-3	
1,2-Dichloroethane	**3.1J**	ug/L	4.0	1.3	4		01/05/24 16:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	4.0	1.4	4		01/05/24 16:28	75-35-4	
cis-1,2-Dichloroethene	**16.0**	ug/L	4.0	1.5	4		01/05/24 16:28	156-59-2	
trans-1,2-Dichloroethene	**2.1J**	ug/L	4.0	1.6	4		01/05/24 16:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	4.0	1.4	4		01/05/24 16:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	4.0	1.1	4		01/05/24 16:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1.6	4		01/05/24 16:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	4.0	1.7	4		01/05/24 16:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1.5	4		01/05/24 16:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1.5	4		01/05/24 16:28	10061-02-6	
Diisopropyl ether	ND	ug/L	4.0	1.2	4		01/05/24 16:28	108-20-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-10 **Lab ID: 92706733016** Collected: 01/03/24 10:30 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Ethylbenzene	ND	ug/L	4.0	1.2	4		01/05/24 16:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	8.0	6.1	4		01/05/24 16:28	87-68-3	IH
2-Hexanone	ND	ug/L	20.0	1.9	4		01/05/24 16:28	591-78-6	
p-Isopropyltoluene	ND	ug/L	4.0	1.7	4		01/05/24 16:28	99-87-6	
Methylene Chloride	ND	ug/L	20.0	7.8	4		01/05/24 16:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	10.8	4		01/05/24 16:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1.7	4		01/05/24 16:28	1634-04-4	
Naphthalene	ND	ug/L	4.0	2.6	4		01/05/24 16:28	91-20-3	
Styrene	ND	ug/L	4.0	1.2	4		01/05/24 16:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	4.0	1.2	4		01/05/24 16:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	4.0	0.90	4		01/05/24 16:28	79-34-5	
Tetrachloroethene	ND	ug/L	4.0	1.2	4		01/05/24 16:28	127-18-4	
Toluene	ND	ug/L	4.0	1.9	4		01/05/24 16:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	4.0	3.2	4		01/05/24 16:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	4.0	2.6	4		01/05/24 16:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	4.0	1.3	4		01/05/24 16:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	4.0	1.3	4		01/05/24 16:28	79-00-5	
Trichloroethene	**567**	ug/L	4.0	1.5	4		01/05/24 16:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	1.2	4		01/05/24 16:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1.0	4		01/05/24 16:28	96-18-4	
Vinyl acetate	ND	ug/L	8.0	5.2	4		01/05/24 16:28	108-05-4	
Vinyl chloride	ND	ug/L	4.0	1.5	4		01/05/24 16:28	75-01-4	
Xylene (Total)	ND	ug/L	4.0	1.4	4		01/05/24 16:28	1330-20-7	
m&p-Xylene	ND	ug/L	8.0	2.8	4		01/05/24 16:28	179601-23-1	
o-Xylene	ND	ug/L	4.0	1.4	4		01/05/24 16:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		4		01/05/24 16:28	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		4		01/05/24 16:28	17060-07-0	
Toluene-d8 (S)	98	%	70-130		4		01/05/24 16:28	2037-26-5	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	**26.4**	mg/L	1.0	0.50	1		01/16/24 18:06	7440-44-0	
Total Organic Carbon	**26.0**	mg/L	1.0	0.50	1		01/16/24 18:06	7440-44-0	
Total Organic Carbon	**25.9**	mg/L	1.0	0.50	1		01/16/24 18:06	7440-44-0	
Total Organic Carbon	**26.1**	mg/L	1.0	0.50	1		01/16/24 18:06	7440-44-0	
Mean Total Organic Carbon	**26.1**	mg/L	1.0	0.50	1		01/16/24 18:06	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-10I **Lab ID: 92706733017** Collected: 01/03/24 11:50 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 Headspace	Analytical Method: RSK 175 Modified Pace Analytical Services - Charlotte								
Ethane	ND	ug/L	10.0	5.9	1		01/09/24 14:09	74-84-0	
Ethene	ND	ug/L	10.0	5.7	1		01/09/24 14:09	74-85-1	
Methane	**257**	ug/L	10.0	5.3	1		01/09/24 14:09	74-82-8	
Metals (ICP) 200.7	Analytical Method: EPA 200.7 Preparation Method: 200.7 Pace National - Mt. Juliet								
Iron	**2030**	ug/L	50.0	20.5	1	01/10/24 23:13	01/11/24 09:52	7439-89-6	
Iron, Dissolved	**141**	ug/L	50.0	20.5	1	01/12/24 08:22	01/12/24 18:05	7439-89-6	
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	100	20.4	4		01/08/24 20:00	67-64-1	
Benzene	ND	ug/L	4.0	1.4	4		01/08/24 20:00	71-43-2	
Bromobenzene	ND	ug/L	4.0	1.2	4		01/08/24 20:00	108-86-1	
Bromochloromethane	ND	ug/L	4.0	1.9	4		01/08/24 20:00	74-97-5	
Bromodichloromethane	ND	ug/L	4.0	1.2	4		01/08/24 20:00	75-27-4	
Bromoform	ND	ug/L	4.0	1.4	4		01/08/24 20:00	75-25-2	
Bromomethane	ND	ug/L	8.0	6.6	4		01/08/24 20:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	15.8	4		01/08/24 20:00	78-93-3	
Carbon tetrachloride	ND	ug/L	4.0	1.3	4		01/08/24 20:00	56-23-5	
Chlorobenzene	ND	ug/L	4.0	1.1	4		01/08/24 20:00	108-90-7	
Chloroethane	ND	ug/L	4.0	2.6	4		01/08/24 20:00	75-00-3	
Chloroform	ND	ug/L	4.0	1.7	4		01/08/24 20:00	67-66-3	
Chloromethane	ND	ug/L	4.0	2.2	4		01/08/24 20:00	74-87-3	
2-Chlorotoluene	ND	ug/L	4.0	1.3	4		01/08/24 20:00	95-49-8	
4-Chlorotoluene	ND	ug/L	4.0	1.3	4		01/08/24 20:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	1.4	4		01/08/24 20:00	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1.4	4		01/08/24 20:00	124-48-1	
Dibromomethane	ND	ug/L	4.0	1.6	4		01/08/24 20:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	4.0	1.4	4		01/08/24 20:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	4.0	1.4	4		01/08/24 20:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	4.0	1.3	4		01/08/24 20:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	4.0	1.4	4		01/08/24 20:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	4.0	1.5	4		01/08/24 20:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	4.0	1.3	4		01/08/24 20:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	4.0	1.4	4		01/08/24 20:00	75-35-4	
cis-1,2-Dichloroethene	**164**	ug/L	4.0	1.5	4		01/08/24 20:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1.6	4		01/08/24 20:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	4.0	1.4	4		01/08/24 20:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	4.0	1.1	4		01/08/24 20:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1.6	4		01/08/24 20:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	4.0	1.7	4		01/08/24 20:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1.5	4		01/08/24 20:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1.5	4		01/08/24 20:00	10061-02-6	
Diisopropyl ether	ND	ug/L	4.0	1.2	4		01/08/24 20:00	108-20-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-10I **Lab ID: 92706733017** Collected: 01/03/24 11:50 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Ethylbenzene	ND	ug/L	4.0	1.2	4		01/08/24 20:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	8.0	6.1	4		01/08/24 20:00	87-68-3	
2-Hexanone	ND	ug/L	20.0	1.9	4		01/08/24 20:00	591-78-6	
p-Isopropyltoluene	ND	ug/L	4.0	1.7	4		01/08/24 20:00	99-87-6	
Methylene Chloride	ND	ug/L	20.0	7.8	4		01/08/24 20:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	10.8	4		01/08/24 20:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1.7	4		01/08/24 20:00	1634-04-4	
Naphthalene	ND	ug/L	4.0	2.6	4		01/08/24 20:00	91-20-3	
Styrene	ND	ug/L	4.0	1.2	4		01/08/24 20:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	4.0	1.2	4		01/08/24 20:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	4.0	0.90	4		01/08/24 20:00	79-34-5	
Tetrachloroethene	ND	ug/L	4.0	1.2	4		01/08/24 20:00	127-18-4	
Toluene	ND	ug/L	4.0	1.9	4		01/08/24 20:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	4.0	3.2	4		01/08/24 20:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	4.0	2.6	4		01/08/24 20:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	4.0	1.3	4		01/08/24 20:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	4.0	1.3	4		01/08/24 20:00	79-00-5	
Trichloroethene	**617**	ug/L	4.0	1.5	4		01/08/24 20:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	1.2	4		01/08/24 20:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1.0	4		01/08/24 20:00	96-18-4	
Vinyl acetate	ND	ug/L	8.0	5.2	4		01/08/24 20:00	108-05-4	
Vinyl chloride	ND	ug/L	4.0	1.5	4		01/08/24 20:00	75-01-4	
Xylene (Total)	ND	ug/L	4.0	1.4	4		01/08/24 20:00	1330-20-7	
m&p-Xylene	ND	ug/L	8.0	2.8	4		01/08/24 20:00	179601-23-1	
o-Xylene	ND	ug/L	4.0	1.4	4		01/08/24 20:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		4		01/08/24 20:00	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		4		01/08/24 20:00	17060-07-0	
Toluene-d8 (S)	104	%	70-130		4		01/08/24 20:00	2037-26-5	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Total Organic Carbon	ND	mg/L	1.0	0.50	1		01/16/24 18:29	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		01/16/24 18:29	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		01/16/24 18:29	7440-44-0	
Total Organic Carbon	ND	mg/L	1.0	0.50	1		01/16/24 18:29	7440-44-0	
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		01/16/24 18:29	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-8 **Lab ID: 92706733018** Collected: 01/03/24 12:30 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**394**	ug/L	62.5	12.8	2.5		01/08/24 19:24	67-64-1	
Benzene	ND	ug/L	2.5	0.86	2.5		01/08/24 19:24	71-43-2	
Bromobenzene	ND	ug/L	2.5	0.72	2.5		01/08/24 19:24	108-86-1	
Bromochloromethane	ND	ug/L	2.5	1.2	2.5		01/08/24 19:24	74-97-5	
Bromodichloromethane	ND	ug/L	2.5	0.77	2.5		01/08/24 19:24	75-27-4	
Bromoform	ND	ug/L	2.5	0.85	2.5		01/08/24 19:24	75-25-2	
Bromomethane	ND	ug/L	5.0	4.2	2.5		01/08/24 19:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	12.5	9.9	2.5		01/08/24 19:24	78-93-3	
Carbon tetrachloride	ND	ug/L	2.5	0.83	2.5		01/08/24 19:24	56-23-5	
Chlorobenzene	ND	ug/L	2.5	0.71	2.5		01/08/24 19:24	108-90-7	
Chloroethane	ND	ug/L	2.5	1.6	2.5		01/08/24 19:24	75-00-3	
Chloroform	ND	ug/L	2.5	1.1	2.5		01/08/24 19:24	67-66-3	
Chloromethane	ND	ug/L	2.5	1.4	2.5		01/08/24 19:24	74-87-3	
2-Chlorotoluene	ND	ug/L	2.5	0.80	2.5		01/08/24 19:24	95-49-8	
4-Chlorotoluene	ND	ug/L	2.5	0.81	2.5		01/08/24 19:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	0.85	2.5		01/08/24 19:24	96-12-8	
Dibromochloromethane	ND	ug/L	2.5	0.90	2.5		01/08/24 19:24	124-48-1	
Dibromomethane	ND	ug/L	2.5	0.98	2.5		01/08/24 19:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.5	0.85	2.5		01/08/24 19:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.5	0.85	2.5		01/08/24 19:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.5	0.83	2.5		01/08/24 19:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.5	0.86	2.5		01/08/24 19:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.5	0.92	2.5		01/08/24 19:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.5	0.80	2.5		01/08/24 19:24	107-06-2	
1,1-Dichloroethene	**3.1**	ug/L	2.5	0.87	2.5		01/08/24 19:24	75-35-4	
cis-1,2-Dichloroethene	**130**	ug/L	2.5	0.96	2.5		01/08/24 19:24	156-59-2	
trans-1,2-Dichloroethene	**5.9**	ug/L	2.5	0.99	2.5		01/08/24 19:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.5	0.89	2.5		01/08/24 19:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.5	0.71	2.5		01/08/24 19:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.5	0.97	2.5		01/08/24 19:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.5	1.1	2.5		01/08/24 19:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.5	0.91	2.5		01/08/24 19:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.5	0.91	2.5		01/08/24 19:24	10061-02-6	
Diisopropyl ether	ND	ug/L	2.5	0.77	2.5		01/08/24 19:24	108-20-3	
Ethylbenzene	ND	ug/L	2.5	0.76	2.5		01/08/24 19:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	3.8	2.5		01/08/24 19:24	87-68-3	
2-Hexanone	ND	ug/L	12.5	1.2	2.5		01/08/24 19:24	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.5	1.0	2.5		01/08/24 19:24	99-87-6	
Methylene Chloride	ND	ug/L	12.5	4.9	2.5		01/08/24 19:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	12.5	6.8	2.5		01/08/24 19:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.5	1.1	2.5		01/08/24 19:24	1634-04-4	
Naphthalene	ND	ug/L	2.5	1.6	2.5		01/08/24 19:24	91-20-3	
Styrene	ND	ug/L	2.5	0.73	2.5		01/08/24 19:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.5	0.78	2.5		01/08/24 19:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.5	0.56	2.5		01/08/24 19:24	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-8 **Lab ID: 92706733018** Collected: 01/03/24 12:30 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	2.5	0.73	2.5		01/08/24 19:24	127-18-4	
Toluene	ND	ug/L	2.5	1.2	2.5		01/08/24 19:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.5	2.0	2.5		01/08/24 19:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.5	1.6	2.5		01/08/24 19:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.5	0.83	2.5		01/08/24 19:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.5	0.81	2.5		01/08/24 19:24	79-00-5	
Trichloroethene	**412**	ug/L	2.5	0.96	2.5		01/08/24 19:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.5	0.74	2.5		01/08/24 19:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.65	2.5		01/08/24 19:24	96-18-4	
Vinyl acetate	ND	ug/L	5.0	3.3	2.5		01/08/24 19:24	108-05-4	
Vinyl chloride	ND	ug/L	2.5	0.96	2.5		01/08/24 19:24	75-01-4	
Xylene (Total)	ND	ug/L	2.5	0.84	2.5		01/08/24 19:24	1330-20-7	
m&p-Xylene	ND	ug/L	5.0	1.8	2.5		01/08/24 19:24	179601-23-1	
o-Xylene	ND	ug/L	2.5	0.84	2.5		01/08/24 19:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		2.5		01/08/24 19:24	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		2.5		01/08/24 19:24	17060-07-0	
Toluene-d8 (S)	102	%	70-130		2.5		01/08/24 19:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-9 **Lab ID: 92706733019** Collected: 01/03/24 12:45 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**223**	ug/L	25.0	5.1	1		01/08/24 15:50	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		01/08/24 15:50	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/08/24 15:50	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/08/24 15:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/08/24 15:50	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/08/24 15:50	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/08/24 15:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/08/24 15:50	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/08/24 15:50	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/08/24 15:50	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/08/24 15:50	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		01/08/24 15:50	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/08/24 15:50	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 15:50	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 15:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/08/24 15:50	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/08/24 15:50	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/08/24 15:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 15:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 15:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/24 15:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/08/24 15:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		01/08/24 15:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 15:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		01/08/24 15:50	75-35-4	
cis-1,2-Dichloroethene	**4.5**	ug/L	1.0	0.38	1		01/08/24 15:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		01/08/24 15:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/08/24 15:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/08/24 15:50	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/08/24 15:50	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/08/24 15:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 15:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 15:50	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/08/24 15:50	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/24 15:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/08/24 15:50	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		01/08/24 15:50	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/08/24 15:50	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/08/24 15:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/08/24 15:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/08/24 15:50	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/08/24 15:50	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		01/08/24 15:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/08/24 15:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/08/24 15:50	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-9 **Lab ID: 92706733019** Collected: 01/03/24 12:45 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/08/24 15:50	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/08/24 15:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/08/24 15:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/08/24 15:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/08/24 15:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 15:50	79-00-5	
Trichloroethene	**44.8**	ug/L	1.0	0.38	1		01/08/24 15:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/08/24 15:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/08/24 15:50	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/08/24 15:50	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		01/08/24 15:50	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/08/24 15:50	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/08/24 15:50	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/08/24 15:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/08/24 15:50	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1		01/08/24 15:50	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/08/24 15:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-9I **Lab ID: 92706733020** Collected: 01/03/24 12:55 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**819**	ug/L	125	25.6	5		01/08/24 20:35	67-64-1	
Benzene	ND	ug/L	5.0	1.7	5		01/08/24 20:35	71-43-2	
Bromobenzene	ND	ug/L	5.0	1.4	5		01/08/24 20:35	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.3	5		01/08/24 20:35	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1.5	5		01/08/24 20:35	75-27-4	
Bromoform	ND	ug/L	5.0	1.7	5		01/08/24 20:35	75-25-2	
Bromomethane	ND	ug/L	10.0	8.3	5		01/08/24 20:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	19.8	5		01/08/24 20:35	78-93-3	
Carbon tetrachloride	ND	ug/L	5.0	1.7	5		01/08/24 20:35	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1.4	5		01/08/24 20:35	108-90-7	
Chloroethane	ND	ug/L	5.0	3.2	5		01/08/24 20:35	75-00-3	
Chloroform	ND	ug/L	5.0	2.2	5		01/08/24 20:35	67-66-3	
Chloromethane	ND	ug/L	5.0	2.7	5		01/08/24 20:35	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1.6	5		01/08/24 20:35	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1.6	5		01/08/24 20:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1.7	5		01/08/24 20:35	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1.8	5		01/08/24 20:35	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.0	5		01/08/24 20:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1.7	5		01/08/24 20:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1.7	5		01/08/24 20:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1.7	5		01/08/24 20:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1.7	5		01/08/24 20:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1.8	5		01/08/24 20:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		01/08/24 20:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1.7	5		01/08/24 20:35	75-35-4	
cis-1,2-Dichloroethene	**48.8**	ug/L	5.0	1.9	5		01/08/24 20:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.0	5		01/08/24 20:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1.8	5		01/08/24 20:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1.4	5		01/08/24 20:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1.9	5		01/08/24 20:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	2.1	5		01/08/24 20:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		01/08/24 20:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		01/08/24 20:35	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	1.5	5		01/08/24 20:35	108-20-3	
Ethylbenzene	ND	ug/L	5.0	1.5	5		01/08/24 20:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	7.6	5		01/08/24 20:35	87-68-3	
2-Hexanone	ND	ug/L	25.0	2.4	5		01/08/24 20:35	591-78-6	
p-Isopropyltoluene	ND	ug/L	5.0	2.1	5		01/08/24 20:35	99-87-6	
Methylene Chloride	ND	ug/L	25.0	9.8	5		01/08/24 20:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	13.6	5		01/08/24 20:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.1	5		01/08/24 20:35	1634-04-4	
Naphthalene	ND	ug/L	5.0	3.2	5		01/08/24 20:35	91-20-3	
Styrene	ND	ug/L	5.0	1.5	5		01/08/24 20:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1.6	5		01/08/24 20:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	5		01/08/24 20:35	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-9I **Lab ID: 92706733020** Collected: 01/03/24 12:55 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	5.0	1.5	5		01/08/24 20:35	127-18-4	
Toluene	ND	ug/L	5.0	2.4	5		01/08/24 20:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	4.0	5		01/08/24 20:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	3.2	5		01/08/24 20:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1.7	5		01/08/24 20:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1.6	5		01/08/24 20:35	79-00-5	
Trichloroethene	**716**	ug/L	5.0	1.9	5		01/08/24 20:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1.5	5		01/08/24 20:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1.3	5		01/08/24 20:35	96-18-4	
Vinyl acetate	ND	ug/L	10.0	6.6	5		01/08/24 20:35	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1.9	5		01/08/24 20:35	75-01-4	
Xylene (Total)	ND	ug/L	5.0	1.7	5		01/08/24 20:35	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.5	5		01/08/24 20:35	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.7	5		01/08/24 20:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		5		01/08/24 20:35	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		5		01/08/24 20:35	17060-07-0	
Toluene-d8 (S)	100	%	70-130		5		01/08/24 20:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-20I **Lab ID: 92706733021** Collected: 01/03/24 13:10 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	**276**	ug/L	25.0	5.1	1		01/08/24 16:08	67-64-1	
Benzene	**0.53J**	ug/L	1.0	0.34	1		01/08/24 16:08	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/08/24 16:08	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/08/24 16:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/08/24 16:08	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/08/24 16:08	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/08/24 16:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/08/24 16:08	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/08/24 16:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/08/24 16:08	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/08/24 16:08	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		01/08/24 16:08	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/08/24 16:08	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 16:08	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/08/24 16:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/08/24 16:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/08/24 16:08	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/08/24 16:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 16:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/08/24 16:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/08/24 16:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/08/24 16:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		01/08/24 16:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 16:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		01/08/24 16:08	75-35-4	
cis-1,2-Dichloroethene	**0.49J**	ug/L	1.0	0.38	1		01/08/24 16:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		01/08/24 16:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/08/24 16:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/08/24 16:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/08/24 16:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/08/24 16:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 16:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/08/24 16:08	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/08/24 16:08	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/08/24 16:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/08/24 16:08	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		01/08/24 16:08	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/08/24 16:08	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/08/24 16:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/08/24 16:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/08/24 16:08	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/08/24 16:08	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		01/08/24 16:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/08/24 16:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/08/24 16:08	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: MW-20I **Lab ID: 92706733021** Collected: 01/03/24 13:10 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/08/24 16:08	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/08/24 16:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/08/24 16:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/08/24 16:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/08/24 16:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/08/24 16:08	79-00-5	
Trichloroethene	**22.8**	ug/L	1.0	0.38	1		01/08/24 16:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/08/24 16:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/08/24 16:08	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/08/24 16:08	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		01/08/24 16:08	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/08/24 16:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/08/24 16:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/08/24 16:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		01/08/24 16:08	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		01/08/24 16:08	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/08/24 16:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TRIP BLANK **Lab ID: 92706733022** Collected: 01/03/24 00:00 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	5.1	1		01/05/24 15:17	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		01/05/24 15:17	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		01/05/24 15:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		01/05/24 15:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		01/05/24 15:17	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		01/05/24 15:17	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		01/05/24 15:17	74-83-9	IH
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		01/05/24 15:17	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		01/05/24 15:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		01/05/24 15:17	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		01/05/24 15:17	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		01/05/24 15:17	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		01/05/24 15:17	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/05/24 15:17	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		01/05/24 15:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		01/05/24 15:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		01/05/24 15:17	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		01/05/24 15:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/05/24 15:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		01/05/24 15:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/05/24 15:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		01/05/24 15:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		01/05/24 15:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		01/05/24 15:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		01/05/24 15:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		01/05/24 15:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		01/05/24 15:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		01/05/24 15:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/05/24 15:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		01/05/24 15:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		01/05/24 15:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/05/24 15:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		01/05/24 15:17	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		01/05/24 15:17	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/05/24 15:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		01/05/24 15:17	87-68-3	IH
2-Hexanone	ND	ug/L	5.0	0.48	1		01/05/24 15:17	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		01/05/24 15:17	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		01/05/24 15:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		01/05/24 15:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		01/05/24 15:17	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		01/05/24 15:17	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		01/05/24 15:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		01/05/24 15:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/05/24 15:17	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Newberry SC
Pace Project No.: 92706733

Sample: TRIP BLANK **Lab ID: 92706733022** Collected: 01/03/24 00:00 Received: 01/04/24 12:08 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Tetrachloroethene	ND	ug/L	1.0	0.29	1		01/05/24 15:17	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		01/05/24 15:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		01/05/24 15:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		01/05/24 15:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		01/05/24 15:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		01/05/24 15:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		01/05/24 15:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		01/05/24 15:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		01/05/24 15:17	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.3	1		01/05/24 15:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		01/05/24 15:17	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		01/05/24 15:17	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		01/05/24 15:17	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		01/05/24 15:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/05/24 15:17	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		01/05/24 15:17	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		01/05/24 15:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

QC Batch: 824283
QC Batch Method: RSK 175 Modified
Analysis Method: RSK 175 Modified
Analysis Description: RSK 175 HEADSPACE
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92706733016, 92706733017

METHOD BLANK: 4263539 Matrix: Water
Associated Lab Samples: 92706733016, 92706733017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethane	ug/L	ND	10.0	5.9	01/09/24 13:37	
Ethene	ug/L	ND	10.0	5.7	01/09/24 13:37	
Methane	ug/L	ND	10.0	5.3	01/09/24 13:37	

LABORATORY CONTROL SAMPLE: 4263540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethane	ug/L	557	589	106	70-130	
Ethene	ug/L	520	557	107	70-130	
Methane	ug/L	297	300	101	70-130	

MATRIX SPIKE SAMPLE: 4263542

Parameter	Units	92706733017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ethane	ug/L	ND	557	604	108	70-130	H1
Ethene	ug/L	ND	520	572	110	70-130	H1
Methane	ug/L	257	297	505	83	70-130	H1

SAMPLE DUPLICATE: 4263541

Parameter	Units	92706733016 Result	Dup Result	RPD	Max RPD	Qualifiers
Ethane	ug/L	ND	ND		20	H1
Ethene	ug/L	ND	ND		20	H1
Methane	ug/L	4720	4380	8	20	H1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

QC Batch: 2204412
QC Batch Method: 200.7
Analysis Method: EPA 200.7
Analysis Description: Metals (ICP) 200.7
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92706733016, 92706733017

METHOD BLANK: R4022086-1 Matrix: Water
Associated Lab Samples: 92706733016, 92706733017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	ND	50.0	20.5	01/11/24 09:01	

LABORATORY CONTROL SAMPLE: R4022086-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	10000	10100	101	85.0-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4022086-4 R4022086-5

Parameter	Units	L1694199-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	208	10000	10000	10200	10400	100	101	70.0-130	1.26	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4022086-6 R4022086-7

Parameter	Units	L1694291-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	ND	10000	10000	10400	10300	104	103	70.0-130	0.810	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

QC Batch: 2205832
QC Batch Method: 200.7
Analysis Method: EPA 200.7
Analysis Description: Metals (ICP) 200.7
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples:

METHOD BLANK: R4022695-1 Matrix: Water
Associated Lab Samples: 92706733016, 92706733017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	ND	50.0	20.5	01/12/24 17:46	

LABORATORY CONTROL SAMPLE: R4022695-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	10000	9770	97.7	85.0-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4022695-4 R4022695-5

Parameter	Units	L1695586-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	1260	10000	10000	11300	11100	101	98.4	70.0-130	1.86	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

QC Batch: 823710
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92706733016, 92706733022

METHOD BLANK: 4261052 Matrix: Water
Associated Lab Samples: 92706733016, 92706733022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	01/05/24 14:24	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	01/05/24 14:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	01/05/24 14:24	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	01/05/24 14:24	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	01/05/24 14:24	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	01/05/24 14:24	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	01/05/24 14:24	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	01/05/24 14:24	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	01/05/24 14:24	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	01/05/24 14:24	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	01/05/24 14:24	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	01/05/24 14:24	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	01/05/24 14:24	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	01/05/24 14:24	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	01/05/24 14:24	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	01/05/24 14:24	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	01/05/24 14:24	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	01/05/24 14:24	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	01/05/24 14:24	
2-Chlorotoluene	ug/L	ND	1.0	0.32	01/05/24 14:24	
2-Hexanone	ug/L	ND	5.0	0.48	01/05/24 14:24	
4-Chlorotoluene	ug/L	ND	1.0	0.32	01/05/24 14:24	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	01/05/24 14:24	
Acetone	ug/L	ND	25.0	5.1	01/05/24 14:24	
Benzene	ug/L	ND	1.0	0.34	01/05/24 14:24	
Bromobenzene	ug/L	ND	1.0	0.29	01/05/24 14:24	
Bromochloromethane	ug/L	ND	1.0	0.47	01/05/24 14:24	
Bromodichloromethane	ug/L	ND	1.0	0.31	01/05/24 14:24	
Bromoform	ug/L	ND	1.0	0.34	01/05/24 14:24	
Bromomethane	ug/L	ND	2.0	1.7	01/05/24 14:24	IH
Carbon tetrachloride	ug/L	ND	1.0	0.33	01/05/24 14:24	
Chlorobenzene	ug/L	ND	1.0	0.28	01/05/24 14:24	
Chloroethane	ug/L	ND	1.0	0.65	01/05/24 14:24	
Chloroform	ug/L	ND	1.0	0.43	01/05/24 14:24	
Chloromethane	ug/L	ND	1.0	0.54	01/05/24 14:24	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	01/05/24 14:24	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	01/05/24 14:24	
Dibromochloromethane	ug/L	ND	1.0	0.36	01/05/24 14:24	
Dibromomethane	ug/L	ND	1.0	0.39	01/05/24 14:24	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	01/05/24 14:24	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

METHOD BLANK: 4261052 Matrix: Water
Associated Lab Samples: 92706733016, 92706733022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	0.31	01/05/24 14:24	
Ethylbenzene	ug/L	ND	1.0	0.30	01/05/24 14:24	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	01/05/24 14:24	IH
m&p-Xylene	ug/L	ND	2.0	0.71	01/05/24 14:24	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	01/05/24 14:24	
Methylene Chloride	ug/L	ND	5.0	2.0	01/05/24 14:24	
Naphthalene	ug/L	ND	1.0	0.64	01/05/24 14:24	
o-Xylene	ug/L	ND	1.0	0.34	01/05/24 14:24	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	01/05/24 14:24	
Styrene	ug/L	ND	1.0	0.29	01/05/24 14:24	
Tetrachloroethene	ug/L	ND	1.0	0.29	01/05/24 14:24	
Toluene	ug/L	ND	1.0	0.48	01/05/24 14:24	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	01/05/24 14:24	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	01/05/24 14:24	
Trichloroethene	ug/L	ND	1.0	0.38	01/05/24 14:24	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	01/05/24 14:24	
Vinyl acetate	ug/L	ND	2.0	1.3	01/05/24 14:24	
Vinyl chloride	ug/L	ND	1.0	0.39	01/05/24 14:24	
Xylene (Total)	ug/L	ND	1.0	0.34	01/05/24 14:24	
1,2-Dichloroethane-d4 (S)	%	89	70-130		01/05/24 14:24	
4-Bromofluorobenzene (S)	%	100	70-130		01/05/24 14:24	
Toluene-d8 (S)	%	99	70-130		01/05/24 14:24	

LABORATORY CONTROL SAMPLE: 4261053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.9	99	70-130	
1,1,1-Trichloroethane	ug/L	20	18.2	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.2	106	70-130	
1,1,2-Trichloroethane	ug/L	20	19.9	99	70-130	
1,1-Dichloroethane	ug/L	20	18.5	92	70-130	
1,1-Dichloroethene	ug/L	20	19.7	99	70-130	
1,1-Dichloropropene	ug/L	20	19.3	96	70-130	
1,2,3-Trichlorobenzene	ug/L	20	19.7	99	70-130	
1,2,3-Trichloropropane	ug/L	20	20.7	103	70-130	
1,2,4-Trichlorobenzene	ug/L	20	20.7	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.0	100	70-130	
1,2-Dichlorobenzene	ug/L	20	19.8	99	70-130	
1,2-Dichloroethane	ug/L	20	18.0	90	70-130	
1,2-Dichloropropane	ug/L	20	19.8	99	70-130	
1,3-Dichlorobenzene	ug/L	20	19.8	99	70-130	
1,3-Dichloropropane	ug/L	20	19.6	98	70-130	
1,4-Dichlorobenzene	ug/L	20	19.4	97	70-130	
2,2-Dichloropropane	ug/L	20	17.9	90	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

LABORATORY CONTROL SAMPLE: 4261053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	40	37.3	93	70-130	
2-Chlorotoluene	ug/L	20	19.5	98	70-130	
2-Hexanone	ug/L	40	39.1	98	70-130	
4-Chlorotoluene	ug/L	20	19.6	98	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	36.9	92	70-130	
Acetone	ug/L	40	34.4	86	70-130	
Benzene	ug/L	20	18.7	94	70-130	
Bromobenzene	ug/L	20	19.7	99	70-130	
Bromochloromethane	ug/L	20	20.4	102	70-130	
Bromodichloromethane	ug/L	20	18.4	92	70-130	
Bromoform	ug/L	20	19.2	96	70-130	
Bromomethane	ug/L	20	23.8	119	70-130	IH
Carbon tetrachloride	ug/L	20	18.3	92	70-130	
Chlorobenzene	ug/L	20	19.3	96	70-130	
Chloroethane	ug/L	20	20.5	103	70-130	
Chloroform	ug/L	20	18.6	93	70-130	
Chloromethane	ug/L	20	19.4	97	70-130	
cis-1,2-Dichloroethene	ug/L	20	18.8	94	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.7	93	70-130	
Dibromochloromethane	ug/L	20	19.7	98	70-130	
Dibromomethane	ug/L	20	19.9	100	70-130	
Dichlorodifluoromethane	ug/L	20	19.3	96	70-130	
Diisopropyl ether	ug/L	20	18.3	92	70-130	
Ethylbenzene	ug/L	20	18.9	95	70-130	
Hexachloro-1,3-butadiene	ug/L	20	22.2	111	70-130	IH
m&p-Xylene	ug/L	40	37.4	94	70-130	
Methyl-tert-butyl ether	ug/L	20	18.2	91	70-130	
Methylene Chloride	ug/L	20	18.4	92	70-130	
Naphthalene	ug/L	20	21.0	105	70-130	
o-Xylene	ug/L	20	19.2	96	70-130	
p-Isopropyltoluene	ug/L	20	20.6	103	70-130	
Styrene	ug/L	20	19.3	97	70-130	
Tetrachloroethene	ug/L	20	18.9	95	70-130	
Toluene	ug/L	20	18.3	91	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.7	93	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
Trichloroethene	ug/L	20	19.0	95	70-130	
Trichlorofluoromethane	ug/L	20	19.7	98	70-130	
Vinyl acetate	ug/L	40	37.5	94	70-130	
Vinyl chloride	ug/L	20	19.0	95	70-130	
Xylene (Total)	ug/L	60	56.7	94	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

MATRIX SPIKE SAMPLE: 4261054

Parameter	Units	92706859001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	25.6	128	73-134	
1,1,1-Trichloroethane	ug/L	ND	20	26.0	130	82-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	24.8	124	70-136	
1,1,2-Trichloroethane	ug/L	ND	20	24.6	123	70-135	
1,1-Dichloroethane	ug/L	ND	20	25.0	125	70-139	
1,1-Dichloroethene	ug/L	ND	20	27.4	137	70-154	
1,1-Dichloropropene	ug/L	ND	20	26.9	135	70-149	
1,2,3-Trichlorobenzene	ug/L	ND	20	26.4	132	70-135	
1,2,3-Trichloropropane	ug/L	ND	20	23.7	119	71-137	
1,2,4-Trichlorobenzene	ug/L	ND	20	27.7	139	73-140	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	24.8	124	65-134	
1,2-Dichlorobenzene	ug/L	ND	20	24.6	123	70-133	
1,2-Dichloroethane	ug/L	ND	20	24.6	123	70-137	
1,2-Dichloropropane	ug/L	ND	20	25.4	127	70-140	
1,3-Dichlorobenzene	ug/L	ND	20	25.0	125	70-135	
1,3-Dichloropropane	ug/L	ND	20	24.1	120	70-143	
1,4-Dichlorobenzene	ug/L	ND	20	25.2	126	70-133	
2,2-Dichloropropane	ug/L	ND	20	27.7	138	61-148	
2-Butanone (MEK)	ug/L	ND	40	46.0	115	60-139	
2-Chlorotoluene	ug/L	ND	20	24.3	122	70-144	
2-Hexanone	ug/L	ND	40	47.8	119	65-138	
4-Chlorotoluene	ug/L	ND	20	24.6	123	70-137	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	46.0	115	65-135	
Acetone	ug/L	ND	40	46.2	115	60-148	
Benzene	ug/L	ND	20	24.6	123	70-151	
Bromobenzene	ug/L	ND	20	23.7	119	70-136	
Bromochloromethane	ug/L	ND	20	25.0	125	70-141	
Bromodichloromethane	ug/L	ND	20	24.8	124	70-138	
Bromoform	ug/L	ND	20	25.1	125	63-130	
Bromomethane	ug/L	ND	20	30.2	151	15-152	IH
Carbon tetrachloride	ug/L	ND	20	26.5	132	70-143	
Chlorobenzene	ug/L	ND	20	23.4	117	70-138	
Chloroethane	ug/L	ND	20	28.1	140	52-163	
Chloroform	ug/L	1.4	20	26.9	127	70-139	
Chloromethane	ug/L	ND	20	27.4	137	41-139	
cis-1,2-Dichloroethene	ug/L	ND	20	25.4	127	70-141	
cis-1,3-Dichloropropene	ug/L	ND	20	24.4	122	70-137	
Dibromochloromethane	ug/L	ND	20	26.0	130	70-134	
Dibromomethane	ug/L	ND	20	25.8	129	70-138	
Dichlorodifluoromethane	ug/L	ND	20	30.0	150	47-155	
Diisopropyl ether	ug/L	ND	20	23.1	115	63-144	
Ethylbenzene	ug/L	ND	20	23.8	119	66-153	
Hexachloro-1,3-butadiene	ug/L	ND	20	33.2	166	65-149	IH,M1
m&p-Xylene	ug/L	ND	40	48.1	120	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	23.3	116	54-156	
Methylene Chloride	ug/L	ND	20	23.7	119	42-159	
Naphthalene	ug/L	ND	20	25.2	126	61-148	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

MATRIX SPIKE SAMPLE: 4261054

Parameter	Units	92706859001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	ND	20	24.3	121	70-148	
p-Isopropyltoluene	ug/L	ND	20	28.0	140	70-146	
Styrene	ug/L	ND	20	23.8	119	70-135	
Tetrachloroethene	ug/L	ND	20	24.8	124	59-143	
Toluene	ug/L	ND	20	23.5	117	59-148	
trans-1,2-Dichloroethene	ug/L	ND	20	26.3	132	70-146	
trans-1,3-Dichloropropene	ug/L	ND	20	24.6	123	70-135	
Trichloroethene	ug/L	ND	20	25.6	128	70-147	
Trichlorofluoromethane	ug/L	ND	20	28.8	144	70-148	
Vinyl acetate	ug/L	ND	40	48.2	120	49-151	
Vinyl chloride	ug/L	ND	20	26.4	132	70-156	
Xylene (Total)	ug/L	ND	60	72.4	121	63-158	
1,2-Dichloroethane-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				104	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4261055

Parameter	Units	92706733016 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	3.1J	3.0J		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

SAMPLE DUPLICATE: 4261055

Parameter	Units	92706733016 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	IH
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	16.0	15.4	4	30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	IH
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	1.2J		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	2.1J	2.3J		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	567	566	0	30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	97	93			
4-Bromofluorobenzene (S)	%	102	101			
Toluene-d8 (S)	%	98	100			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

QC Batch: 824031
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92706733001, 92706733002, 92706733003, 92706733004, 92706733005, 92706733006, 92706733007, 92706733008, 92706733009, 92706733011, 92706733012, 92706733014, 92706733015, 92706733017, 92706733018, 92706733019, 92706733020, 92706733021

METHOD BLANK: 4262517
Matrix: Water
Associated Lab Samples: 92706733001, 92706733002, 92706733003, 92706733004, 92706733005, 92706733006, 92706733007, 92706733008, 92706733009, 92706733011, 92706733012, 92706733014, 92706733015, 92706733017, 92706733018, 92706733019, 92706733020, 92706733021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	01/08/24 12:34	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	01/08/24 12:34	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	01/08/24 12:34	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	01/08/24 12:34	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	01/08/24 12:34	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	01/08/24 12:34	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	01/08/24 12:34	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	01/08/24 12:34	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	01/08/24 12:34	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	01/08/24 12:34	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	01/08/24 12:34	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	01/08/24 12:34	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	01/08/24 12:34	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	01/08/24 12:34	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	01/08/24 12:34	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	01/08/24 12:34	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	01/08/24 12:34	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	01/08/24 12:34	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	01/08/24 12:34	
2-Chlorotoluene	ug/L	ND	1.0	0.32	01/08/24 12:34	
2-Hexanone	ug/L	ND	5.0	0.48	01/08/24 12:34	
4-Chlorotoluene	ug/L	ND	1.0	0.32	01/08/24 12:34	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	01/08/24 12:34	
Acetone	ug/L	ND	25.0	5.1	01/08/24 12:34	
Benzene	ug/L	ND	1.0	0.34	01/08/24 12:34	
Bromobenzene	ug/L	ND	1.0	0.29	01/08/24 12:34	
Bromochloromethane	ug/L	ND	1.0	0.47	01/08/24 12:34	
Bromodichloromethane	ug/L	ND	1.0	0.31	01/08/24 12:34	
Bromoform	ug/L	ND	1.0	0.34	01/08/24 12:34	
Bromomethane	ug/L	ND	2.0	1.7	01/08/24 12:34	
Carbon tetrachloride	ug/L	ND	1.0	0.33	01/08/24 12:34	
Chlorobenzene	ug/L	ND	1.0	0.28	01/08/24 12:34	
Chloroethane	ug/L	ND	1.0	0.65	01/08/24 12:34	
Chloroform	ug/L	ND	1.0	0.43	01/08/24 12:34	
Chloromethane	ug/L	ND	1.0	0.54	01/08/24 12:34	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	01/08/24 12:34	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	01/08/24 12:34	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

METHOD BLANK: 4262517 Matrix: Water

Associated Lab Samples: 92706733001, 92706733002, 92706733003, 92706733004, 92706733005, 92706733006, 92706733007, 92706733008, 92706733009, 92706733011, 92706733012, 92706733014, 92706733015, 92706733017, 92706733018, 92706733019, 92706733020, 92706733021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	0.36	01/08/24 12:34	
Dibromomethane	ug/L	ND	1.0	0.39	01/08/24 12:34	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	01/08/24 12:34	
Diisopropyl ether	ug/L	ND	1.0	0.31	01/08/24 12:34	
Ethylbenzene	ug/L	ND	1.0	0.30	01/08/24 12:34	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	01/08/24 12:34	
m&p-Xylene	ug/L	ND	2.0	0.71	01/08/24 12:34	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	01/08/24 12:34	
Methylene Chloride	ug/L	ND	5.0	2.0	01/08/24 12:34	
Naphthalene	ug/L	ND	1.0	0.64	01/08/24 12:34	
o-Xylene	ug/L	ND	1.0	0.34	01/08/24 12:34	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	01/08/24 12:34	
Styrene	ug/L	ND	1.0	0.29	01/08/24 12:34	
Tetrachloroethene	ug/L	ND	1.0	0.29	01/08/24 12:34	
Toluene	ug/L	ND	1.0	0.48	01/08/24 12:34	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	01/08/24 12:34	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	01/08/24 12:34	
Trichloroethene	ug/L	ND	1.0	0.38	01/08/24 12:34	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	01/08/24 12:34	
Vinyl acetate	ug/L	ND	2.0	1.3	01/08/24 12:34	
Vinyl chloride	ug/L	ND	1.0	0.39	01/08/24 12:34	
Xylene (Total)	ug/L	ND	1.0	0.34	01/08/24 12:34	
1,2-Dichloroethane-d4 (S)	%	97	70-130		01/08/24 12:34	
4-Bromofluorobenzene (S)	%	100	70-130		01/08/24 12:34	
Toluene-d8 (S)	%	102	70-130		01/08/24 12:34	

LABORATORY CONTROL SAMPLE: 4262518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.6	93	70-130	
1,1,1-Trichloroethane	ug/L	20	18.5	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.7	93	70-130	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	17.3	86	70-130	
1,1-Dichloroethene	ug/L	20	18.3	92	70-130	
1,1-Dichloropropene	ug/L	20	19.9	99	70-130	
1,2,3-Trichlorobenzene	ug/L	20	20.0	100	70-130	
1,2,3-Trichloropropane	ug/L	20	16.9	84	70-130	
1,2,4-Trichlorobenzene	ug/L	20	19.9	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	17.7	88	70-130	
1,2-Dichlorobenzene	ug/L	20	18.7	94	70-130	
1,2-Dichloroethane	ug/L	20	18.9	95	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

LABORATORY CONTROL SAMPLE: 4262518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	20	19.4	97	70-130	
1,3-Dichlorobenzene	ug/L	20	18.9	95	70-130	
1,3-Dichloropropane	ug/L	20	17.1	86	70-130	
1,4-Dichlorobenzene	ug/L	20	18.2	91	70-130	
2,2-Dichloropropane	ug/L	20	17.8	89	70-130	
2-Butanone (MEK)	ug/L	40	34.4	86	70-130	
2-Chlorotoluene	ug/L	20	18.2	91	70-130	
2-Hexanone	ug/L	40	33.7	84	70-130	
4-Chlorotoluene	ug/L	20	18.1	91	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	36.1	90	70-130	
Acetone	ug/L	40	33.3	83	70-130	
Benzene	ug/L	20	19.2	96	70-130	
Bromobenzene	ug/L	20	19.5	98	70-130	
Bromochloromethane	ug/L	20	19.3	96	70-130	
Bromodichloromethane	ug/L	20	19.1	96	70-130	
Bromoform	ug/L	20	17.1	85	70-130	
Bromomethane	ug/L	20	14.9	75	70-130	
Carbon tetrachloride	ug/L	20	18.9	95	70-130	
Chlorobenzene	ug/L	20	18.1	90	70-130	
Chloroethane	ug/L	20	19.7	99	70-130	
Chloroform	ug/L	20	16.6	83	70-130	
Chloromethane	ug/L	20	18.5	92	70-130	
cis-1,2-Dichloroethene	ug/L	20	18.1	91	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.4	97	70-130	
Dibromochloromethane	ug/L	20	17.0	85	70-130	
Dibromomethane	ug/L	20	20.0	100	70-130	
Dichlorodifluoromethane	ug/L	20	18.6	93	70-130	
Diisopropyl ether	ug/L	20	17.4	87	70-130	
Ethylbenzene	ug/L	20	17.5	87	70-130	
Hexachloro-1,3-butadiene	ug/L	20	20.3	102	70-130	
m&p-Xylene	ug/L	40	36.1	90	70-130	
Methyl-tert-butyl ether	ug/L	20	18.0	90	70-130	
Methylene Chloride	ug/L	20	18.1	90	70-130	
Naphthalene	ug/L	20	20.1	100	70-130	
o-Xylene	ug/L	20	18.8	94	70-130	
p-Isopropyltoluene	ug/L	20	18.8	94	70-130	
Styrene	ug/L	20	18.7	94	70-130	
Tetrachloroethene	ug/L	20	19.1	95	70-130	
Toluene	ug/L	20	19.3	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.8	89	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
Trichloroethene	ug/L	20	19.7	99	70-130	
Trichlorofluoromethane	ug/L	20	18.9	94	70-130	
Vinyl acetate	ug/L	40	37.9	95	70-130	
Vinyl chloride	ug/L	20	17.8	89	70-130	
Xylene (Total)	ug/L	60	54.8	91	70-130	
1,2-Dichloroethane-d4 (S)	%			87	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

LABORATORY CONTROL SAMPLE: 4262518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4262519

Parameter	Units	92706733001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20.9	104	73-134	
1,1,1-Trichloroethane	ug/L	ND	20	22.5	112	82-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.7	103	70-136	
1,1,2-Trichloroethane	ug/L	ND	20	24.9	124	70-135	
1,1-Dichloroethane	ug/L	ND	20	21.2	106	70-139	
1,1-Dichloroethene	ug/L	ND	20	23.1	115	70-154	
1,1-Dichloropropene	ug/L	ND	20	23.4	117	70-149	
1,2,3-Trichlorobenzene	ug/L	ND	20	18.9	94	70-135	
1,2,3-Trichloropropane	ug/L	ND	20	18.4	92	71-137	
1,2,4-Trichlorobenzene	ug/L	ND	20	18.9	95	73-140	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	18.2	91	65-134	
1,2-Dichlorobenzene	ug/L	ND	20	19.8	99	70-133	
1,2-Dichloroethane	ug/L	ND	20	19.6	98	70-137	
1,2-Dichloropropane	ug/L	ND	20	23.3	116	70-140	
1,3-Dichlorobenzene	ug/L	ND	20	19.8	99	70-135	
1,3-Dichloropropane	ug/L	ND	20	18.9	94	70-143	
1,4-Dichlorobenzene	ug/L	ND	20	18.8	94	70-133	
2,2-Dichloropropane	ug/L	ND	20	20.0	100	61-148	
2-Butanone (MEK)	ug/L	ND	40	45.0	113	60-139	
2-Chlorotoluene	ug/L	ND	20	19.2	96	70-144	
2-Hexanone	ug/L	ND	40	37.8	95	65-138	
4-Chlorotoluene	ug/L	ND	20	19.2	96	70-137	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	41.8	105	65-135	
Acetone	ug/L	ND	40	42.5	106	60-148	
Benzene	ug/L	ND	20	23.3	117	70-151	
Bromobenzene	ug/L	ND	20	21.4	107	70-136	
Bromochloromethane	ug/L	ND	20	23.2	116	70-141	
Bromodichloromethane	ug/L	ND	20	22.1	111	70-138	
Bromoform	ug/L	ND	20	19.6	98	63-130	
Bromomethane	ug/L	ND	20	14.1	71	15-152	
Carbon tetrachloride	ug/L	ND	20	23.8	119	70-143	
Chlorobenzene	ug/L	ND	20	20.8	104	70-138	
Chloroethane	ug/L	ND	20	22.6	113	52-163	
Chloroform	ug/L	ND	20	21.4	107	70-139	
Chloromethane	ug/L	ND	20	23.6	118	41-139	
cis-1,2-Dichloroethene	ug/L	ND	20	21.8	109	70-141	
cis-1,3-Dichloropropene	ug/L	ND	20	21.0	105	70-137	
Dibromochloromethane	ug/L	ND	20	18.8	94	70-134	
Dibromomethane	ug/L	ND	20	24.0	120	70-138	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

MATRIX SPIKE SAMPLE: 4262519

Parameter	Units	92706733001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dichlorodifluoromethane	ug/L	ND	20	22.6	113	47-155	
Diisopropyl ether	ug/L	ND	20	21.5	107	63-144	
Ethylbenzene	ug/L	ND	20	19.9	100	66-153	
Hexachloro-1,3-butadiene	ug/L	ND	20	19.6	98	65-149	
m&p-Xylene	ug/L	ND	40	41.0	103	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	19.7	98	54-156	
Methylene Chloride	ug/L	ND	20	21.9	110	42-159	
Naphthalene	ug/L	ND	20	19.1	96	61-148	
o-Xylene	ug/L	ND	20	20.1	100	70-148	
p-Isopropyltoluene	ug/L	ND	20	19.0	95	70-146	
Styrene	ug/L	ND	20	20.7	104	70-135	
Tetrachloroethene	ug/L	ND	20	22.0	110	59-143	
Toluene	ug/L	ND	20	23.1	115	59-148	
trans-1,2-Dichloroethene	ug/L	ND	20	22.3	112	70-146	
trans-1,3-Dichloropropene	ug/L	ND	20	20.1	101	70-135	
Trichloroethene	ug/L	1.1	20	26.1	125	70-147	
Trichlorofluoromethane	ug/L	ND	20	24.2	121	70-148	
Vinyl acetate	ug/L	ND	40	38.2	95	49-151	
Vinyl chloride	ug/L	ND	20	22.6	113	70-156	
Xylene (Total)	ug/L	ND	60	61.1	102	63-158	
1,2-Dichloroethane-d4 (S)	%				84	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 4262520

Parameter	Units	92706733006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

SAMPLE DUPLICATE: 4262520

Parameter	Units	92706733006 Result	Dup Result	RPD	Max RPD	Qualifiers
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	13.0	9.9	28	30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	51.9	53.8	4	30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	94	88			
4-Bromofluorobenzene (S)	%	103	101			
Toluene-d8 (S)	%	101	103			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

QC Batch: 824231
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92706733010, 92706733013

METHOD BLANK: 4263280 Matrix: Water
Associated Lab Samples: 92706733010, 92706733013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	01/10/24 22:38	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	01/10/24 22:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	01/10/24 22:38	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	01/10/24 22:38	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	01/10/24 22:38	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	01/10/24 22:38	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	01/10/24 22:38	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	01/10/24 22:38	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	01/10/24 22:38	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	01/10/24 22:38	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	01/10/24 22:38	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	01/10/24 22:38	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	01/10/24 22:38	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	01/10/24 22:38	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	01/10/24 22:38	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	01/10/24 22:38	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	01/10/24 22:38	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	01/10/24 22:38	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	01/10/24 22:38	
2-Chlorotoluene	ug/L	ND	1.0	0.32	01/10/24 22:38	
2-Hexanone	ug/L	ND	5.0	0.48	01/10/24 22:38	
4-Chlorotoluene	ug/L	ND	1.0	0.32	01/10/24 22:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	01/10/24 22:38	
Acetone	ug/L	ND	25.0	5.1	01/10/24 22:38	
Benzene	ug/L	ND	1.0	0.34	01/10/24 22:38	
Bromobenzene	ug/L	ND	1.0	0.29	01/10/24 22:38	
Bromochloromethane	ug/L	ND	1.0	0.47	01/10/24 22:38	
Bromodichloromethane	ug/L	ND	1.0	0.31	01/10/24 22:38	
Bromoform	ug/L	ND	1.0	0.34	01/10/24 22:38	
Bromomethane	ug/L	ND	2.0	1.7	01/10/24 22:38	
Carbon tetrachloride	ug/L	ND	1.0	0.33	01/10/24 22:38	
Chlorobenzene	ug/L	ND	1.0	0.28	01/10/24 22:38	
Chloroethane	ug/L	ND	1.0	0.65	01/10/24 22:38	
Chloroform	ug/L	ND	1.0	0.43	01/10/24 22:38	
Chloromethane	ug/L	ND	1.0	0.54	01/10/24 22:38	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	01/10/24 22:38	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	01/10/24 22:38	
Dibromochloromethane	ug/L	ND	1.0	0.36	01/10/24 22:38	
Dibromomethane	ug/L	ND	1.0	0.39	01/10/24 22:38	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	01/10/24 22:38	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

METHOD BLANK: 4263280 Matrix: Water
Associated Lab Samples: 92706733010, 92706733013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	0.31	01/10/24 22:38	
Ethylbenzene	ug/L	ND	1.0	0.30	01/10/24 22:38	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	01/10/24 22:38	
m&p-Xylene	ug/L	ND	2.0	0.71	01/10/24 22:38	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	01/10/24 22:38	
Methylene Chloride	ug/L	ND	5.0	2.0	01/10/24 22:38	
Naphthalene	ug/L	ND	1.0	0.64	01/10/24 22:38	
o-Xylene	ug/L	ND	1.0	0.34	01/10/24 22:38	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	01/10/24 22:38	
Styrene	ug/L	ND	1.0	0.29	01/10/24 22:38	
Tetrachloroethene	ug/L	ND	1.0	0.29	01/10/24 22:38	
Toluene	ug/L	ND	1.0	0.48	01/10/24 22:38	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	01/10/24 22:38	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	01/10/24 22:38	
Trichloroethene	ug/L	ND	1.0	0.38	01/10/24 22:38	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	01/10/24 22:38	
Vinyl acetate	ug/L	ND	2.0	1.3	01/10/24 22:38	
Vinyl chloride	ug/L	ND	1.0	0.39	01/10/24 22:38	
Xylene (Total)	ug/L	ND	1.0	0.34	01/10/24 22:38	
1,2-Dichloroethane-d4 (S)	%	102	70-130		01/10/24 22:38	
4-Bromofluorobenzene (S)	%	96	70-130		01/10/24 22:38	
Toluene-d8 (S)	%	104	70-130		01/10/24 22:38	

LABORATORY CONTROL SAMPLE: 4263281

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.1	100	70-130	
1,1,1-Trichloroethane	ug/L	20	19.8	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.8	99	70-130	
1,1,2-Trichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethane	ug/L	20	19.8	99	70-130	
1,1-Dichloroethene	ug/L	20	21.4	107	70-130	
1,1-Dichloropropene	ug/L	20	21.7	109	70-130	
1,2,3-Trichlorobenzene	ug/L	20	21.1	105	70-130	
1,2,3-Trichloropropane	ug/L	20	19.8	99	70-130	
1,2,4-Trichlorobenzene	ug/L	20	21.4	107	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.1	101	70-130	
1,2-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,2-Dichloroethane	ug/L	20	19.4	97	70-130	
1,2-Dichloropropane	ug/L	20	20.2	101	70-130	
1,3-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,3-Dichloropropane	ug/L	20	19.7	98	70-130	
1,4-Dichlorobenzene	ug/L	20	20.5	103	70-130	
2,2-Dichloropropane	ug/L	20	21.1	106	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

LABORATORY CONTROL SAMPLE: 4263281

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	40	39.0	98	70-130	
2-Chlorotoluene	ug/L	20	20.6	103	70-130	
2-Hexanone	ug/L	40	40.0	100	70-130	
4-Chlorotoluene	ug/L	20	21.2	106	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	37.5	94	70-130	
Acetone	ug/L	40	39.9	100	70-130	
Benzene	ug/L	20	20.6	103	70-130	
Bromobenzene	ug/L	20	20.3	102	70-130	
Bromochloromethane	ug/L	20	19.5	98	70-130	
Bromodichloromethane	ug/L	20	19.6	98	70-130	
Bromoform	ug/L	20	19.7	98	70-130	
Bromomethane	ug/L	20	20.5	102	70-130	
Carbon tetrachloride	ug/L	20	20.6	103	70-130	
Chlorobenzene	ug/L	20	19.7	99	70-130	
Chloroethane	ug/L	20	21.2	106	70-130	
Chloroform	ug/L	20	19.7	98	70-130	
Chloromethane	ug/L	20	22.5	112	70-130	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.8	104	70-130	
Dibromochloromethane	ug/L	20	20.2	101	70-130	
Dibromomethane	ug/L	20	19.3	97	70-130	
Dichlorodifluoromethane	ug/L	20	16.0	80	70-130	
Diisopropyl ether	ug/L	20	19.3	97	70-130	
Ethylbenzene	ug/L	20	19.7	99	70-130	
Hexachloro-1,3-butadiene	ug/L	20	21.6	108	70-130	
m&p-Xylene	ug/L	40	40.2	100	70-130	
Methyl-tert-butyl ether	ug/L	20	18.9	95	70-130	
Methylene Chloride	ug/L	20	20.2	101	70-130	
Naphthalene	ug/L	20	21.3	107	70-130	
o-Xylene	ug/L	20	19.8	99	70-130	
p-Isopropyltoluene	ug/L	20	22.2	111	70-130	
Styrene	ug/L	20	20.5	103	70-130	
Tetrachloroethene	ug/L	20	20.7	103	70-130	
Toluene	ug/L	20	19.4	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.6	103	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.8	104	70-130	
Trichloroethene	ug/L	20	20.8	104	70-130	
Trichlorofluoromethane	ug/L	20	18.5	93	70-130	
Vinyl acetate	ug/L	40	41.5	104	70-130	
Vinyl chloride	ug/L	20	19.1	95	70-130	
Xylene (Total)	ug/L	60	59.9	100	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

MATRIX SPIKE SAMPLE: 4263282

Parameter	Units	92707050012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	22.8	114	73-134	
1,1,1-Trichloroethane	ug/L	ND	20	25.1	126	82-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	22.4	112	70-136	
1,1,2-Trichloroethane	ug/L	ND	20	23.9	119	70-135	
1,1-Dichloroethane	ug/L	ND	20	24.0	120	70-139	
1,1-Dichloroethene	ug/L	ND	20	25.7	128	70-154	
1,1-Dichloropropene	ug/L	ND	20	25.9	130	70-149	
1,2,3-Trichlorobenzene	ug/L	ND	20	20.9	104	70-135	
1,2,3-Trichloropropane	ug/L	ND	20	21.0	105	71-137	
1,2,4-Trichlorobenzene	ug/L	ND	20	20.7	103	73-140	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20.4	102	65-134	
1,2-Dichlorobenzene	ug/L	ND	20	21.4	107	70-133	
1,2-Dichloroethane	ug/L	ND	20	23.9	120	70-137	
1,2-Dichloropropane	ug/L	ND	20	23.3	116	70-140	
1,3-Dichlorobenzene	ug/L	ND	20	21.2	106	70-135	
1,3-Dichloropropane	ug/L	ND	20	21.9	109	70-143	
1,4-Dichlorobenzene	ug/L	ND	20	21.2	106	70-133	
2,2-Dichloropropane	ug/L	ND	20	23.2	116	61-148	
2-Butanone (MEK)	ug/L	ND	40	46.8	117	60-139	
2-Chlorotoluene	ug/L	ND	20	21.9	110	70-144	
2-Hexanone	ug/L	ND	40	44.6	112	65-138	
4-Chlorotoluene	ug/L	ND	20	21.2	106	70-137	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	42.6	106	65-135	
Acetone	ug/L	ND	40	43.8	109	60-148	
Benzene	ug/L	ND	20	23.1	116	70-151	
Bromobenzene	ug/L	ND	20	21.4	107	70-136	
Bromochloromethane	ug/L	ND	20	24.3	121	70-141	
Bromodichloromethane	ug/L	ND	20	22.2	111	70-138	
Bromoform	ug/L	ND	20	21.5	108	63-130	
Bromomethane	ug/L	ND	20	11.8	59	15-152	v3
Carbon tetrachloride	ug/L	ND	20	23.7	119	70-143	
Chlorobenzene	ug/L	ND	20	21.9	109	70-138	
Chloroethane	ug/L	ND	20	24.2	121	52-163	
Chloroform	ug/L	ND	20	24.2	121	70-139	
Chloromethane	ug/L	ND	20	27.7	139	41-139	
cis-1,2-Dichloroethene	ug/L	ND	20	23.7	119	70-141	
cis-1,3-Dichloropropene	ug/L	ND	20	22.2	111	70-137	
Dibromochloromethane	ug/L	ND	20	23.3	117	70-134	
Dibromomethane	ug/L	ND	20	22.4	112	70-138	
Dichlorodifluoromethane	ug/L	ND	20	25.4	127	47-155	
Diisopropyl ether	ug/L	ND	20	23.0	115	63-144	
Ethylbenzene	ug/L	ND	20	21.9	109	66-153	
Hexachloro-1,3-butadiene	ug/L	ND	20	21.8	109	65-149	
m&p-Xylene	ug/L	ND	40	43.7	109	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	22.4	112	54-156	
Methylene Chloride	ug/L	ND	20	23.8	119	42-159	
Naphthalene	ug/L	ND	20	21.3	107	61-148	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

MATRIX SPIKE SAMPLE: 4263282

Parameter	Units	92707050012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	ND	20	21.4	107	70-148	
p-Isopropyltoluene	ug/L	ND	20	22.3	111	70-146	
Styrene	ug/L	ND	20	20.6	103	70-135	
Tetrachloroethene	ug/L	ND	20	21.5	107	59-143	
Toluene	ug/L	ND	20	21.9	108	59-148	
trans-1,2-Dichloroethene	ug/L	ND	20	23.9	120	70-146	
trans-1,3-Dichloropropene	ug/L	ND	20	22.1	111	70-135	
Trichloroethene	ug/L	ND	20	23.2	116	70-147	
Trichlorofluoromethane	ug/L	ND	20	26.1	131	70-148	
Vinyl acetate	ug/L	ND	40	42.9	107	49-151	
Vinyl chloride	ug/L	ND	20	23.0	115	70-156	
Xylene (Total)	ug/L	ND	60	65.1	109	63-158	
1,2-Dichloroethane-d4 (S)	%				104	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4263283

Parameter	Units	92707055017 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

SAMPLE DUPLICATE: 4263283

Parameter	Units	92707055017 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	v2
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	0.49J		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	11.2	11.4	1	30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	100	105			
4-Bromofluorobenzene (S)	%	99	98			
Toluene-d8 (S)	%	104	101			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Newberry SC
Pace Project No.: 92706733

QC Batch: 825796
QC Batch Method: EPA 9060A
Analysis Method: EPA 9060A
Analysis Description: 9060 TOC, AVL
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92706733016, 92706733017

METHOD BLANK: 4270799 Matrix: Water
Associated Lab Samples: 92706733016, 92706733017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	0.50	01/16/24 17:10	
Total Organic Carbon	mg/L	ND	1.0	0.50	01/16/24 17:10	
Total Organic Carbon	mg/L	ND	1.0	0.50	01/16/24 17:10	
Total Organic Carbon	mg/L	ND	1.0	0.50	01/16/24 17:10	
Total Organic Carbon	mg/L	ND	1.0	0.50	01/16/24 17:10	

LABORATORY CONTROL SAMPLE: 4270800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	25	24.5	98	75-125	
Total Organic Carbon	mg/L	25	24.3	97	75-125	
Total Organic Carbon	mg/L	25	24.6	99	75-125	
Total Organic Carbon	mg/L	25	24.6	99	75-125	
Total Organic Carbon	mg/L	25	24.6	98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4270801 4270802

Parameter	Units	92706733016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	26.1	25	25	54.7	54.8	114	115	75-125	0	25	
Total Organic Carbon	mg/L	26.4	25	25	54.2	57.4	111	124	75-125	6	25	
Total Organic Carbon	mg/L	26.0	25	25	54.6	52.4	114	106	75-125	4	25	
Total Organic Carbon	mg/L	26.1	25	25	54.6	54.7	114	115	75-125	0	25	
Total Organic Carbon	mg/L	25.9	25	25	55.6	54.7	119	115	75-125	2	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Newberry SC
Pace Project No.: 92706733

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.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

H1	Analysis conducted outside the EPA method holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Newberry SC
Pace Project No.: 92706733

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92706733016	**MW-10**	RSK 175 Modified	824283		
92706733017	**MW-10I**	RSK 175 Modified	824283		
92706733016	**MW-10**	200.7	2204412	EPA 200.7	2204412
92706733016	**MW-10**	200.7	2205832	EPA 200.7	2205832
92706733017	**MW-10I**	200.7	2204412	EPA 200.7	2204412
92706733017	**MW-10I**	200.7	2205832	EPA 200.7	2205832
92706733001	**TMW-31**	EPA 8260D	824031		
92706733002	**TMW-23**	EPA 8260D	824031		
92706733003	**TMW-22**	EPA 8260D	824031		
92706733004	**TMW-21**	EPA 8260D	824031		
92706733005	**TMW-24**	EPA 8260D	824031		
92706733006	**TMW-25**	EPA 8260D	824031		
92706733007	**MW-5I**	EPA 8260D	824031		
92706733008	**MW-5**	EPA 8260D	824031		
92706733009	**MW-7I**	EPA 8260D	824031		
92706733010	**MW-6I**	EPA 8260D	824231		
92706733011	**MW-6D**	EPA 8260D	824031		
92706733012	**MW-16**	EPA 8260D	824031		
92706733013	**MW-12D**	EPA 8260D	824231		
92706733014	**MW-12**	EPA 8260D	824031		
92706733015	**MW-14**	EPA 8260D	824031		
92706733016	**MW-10**	EPA 8260D	823710		
92706733017	**MW-10I**	EPA 8260D	824031		
92706733018	**MW-8**	EPA 8260D	824031		
92706733019	**MW-9**	EPA 8260D	824031		
92706733020	**MW-9I**	EPA 8260D	824031		
92706733021	**MW-20I**	EPA 8260D	824031		
92706733022	**TRIP BLANK**	EPA 8260D	823710		
92706733016	**MW-10**	EPA 9060A	825796		
92706733017	**MW-10I**	EPA 9060A	825796		

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-HUN1-0083 v03_Sample Condition Upon Receipt
	Effective Date: 12/01/2023

Laboratory receiving samples:

Asheville ☑ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: AECOM

Project #: **WO# : 92706733**

92706733

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 1/4/24

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

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:

☑ IR Gun ID: 93T082 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.5 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.5

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☐ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☐ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☑ Yes	☐ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project # **WO#: 92706733**

PM: BV Due Date: 01/18/24

CLIENT: 92-AECOM-SC

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																3													
2																3													
3																3													
4																3													
5																3													
6																3													
7																3													
8																3													
9																3													
10																3													
11																3													
12																3													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt
	Effective Date: 11/14/2022 8:18:30 AM

WO# : 92706733

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

Project #

PM: BV Due Date: 01/18/24
CLIENT: 92-AECOM-SC

**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																3													
2																3													
3																3													
4		1				1										3		3	3										
5		1				1										3		3	3										
6																3													
7																3													
8																3													
9																3													
10																2													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	AECOM, SC	Contact/Report To:	Dave Oliphant
Street Address:	10 Patewood Drive, Greenville, SC 29615	Phone #:	(864)244-6380
		E-Mail:	dave.oliphant@aecom.com
		Cc E-Mail:	
Customer Project #:		Invoice To:	Accounts Payable
Project Name:	Newberry, SC	Invoice E-Mail:	usapimaging@aecom.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	140628
		Quote #:	00152033
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	South Carolina
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other_____		Regulatory Program (DW, RCRA, etc.) as applicable:	
		Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____	DW PWSID # or WW Permit # as applicable:
		Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No
			Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers: Plastic	Number & Type of Containers: Glass	LF Dissolved 200.7-Fe	RSK-MIE/E	TOC 9060	Total 200.7-Fe	Trip Blank	VOC 8260	Sample Comment
IMW-31	GW	G			1/2/2024	0958			3						X	92760733 001
IMW-23	GW	G			1/2/2024	1055			3						X	002
IMW-22	GW	G			1/2/2024	1135			3						X	003
IMW-21	GW	G			1/2/2024	1218			3						X	004
IMW-24	GW	G			1/2/2024	1318			3						X	005
IMW-25	GW	G			1/2/2024	1445			3						X	006
MW-5I	GW	G			1/2/2024	1500			3						X	007
MW-5	GW	G			1/2/2024	1515			3						X	008
MW-7I	GW	G			1/2/2024	1525			3						X	009
MW-6I	GW	G			1/2/2024	1545			3						X	010

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 5863
Prelog / Bottle Ord. ID: EZ 3039983

Preservation non-conformance identified for sample.

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name:
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
1	93T082	0		3.5

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Randy Morgan AECOM	1/4/2024 1208	Lisa O'Kelley Pace Anl	1/4/23 1208
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [X] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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		E-Mail:	dave.oliphant@aecom.com
		Cc E-Mail:	
Customer Project #:		Invoice To:	Accounts Payable
Project Name:	Newberry, SC	Invoice E-Mail:	usapimaging@aecom.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	140628
		Quote #:	00152033
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	South Carolina
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other_____		Regulatory Program (DW, RCRA, etc.) as applicable:	
		Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____	DW PWSID # or WW Permit # as applicable:
		Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No
			Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 5863; Prelog / Bottle Ord. ID: EZ 3039983

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	LF Dissolved 200.7-Fe	RSK-M/E/E	TOC 9060	Total 200.7-Fe	Trip Blank	VOC 8260	Sample Comment	Preservation non-conformance identified for sample.
MW-6D	GW	G			1/2/2024	1555			3						X	92706733011	
MW-16	GW	G			1/3/2024	0845			3						X	012	
MW-12D	GW	G			1/3/2024	0900			3						X	013	
MW-12	GW	G			1/3/2024	0915			3						X	014	
MW-14	GW	G			1/3/2024	0930			3						X	015	
MW-10	GW	G			1/3/2024	1030		2	3	X	X	X	X	X	X	016	
MW-10I	GW	G			1/3/2024	1150		2	3	X	X	X	X		X	017	
MW-8	GW	G			1/3/2024	1230			3						X	018	
MW-9	GW	G			1/3/2024	1245			3						X	019	
MW-9I	GW	G			1/3/2024	1255			3						X	020	

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name:
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
1	93T082	0		3.5

Relinquished by/Company: (Signature) Randy Morgan AECOM	Date/Time: 1/4/2024 1208	Received by/Company: (Signature) Pace Anl	Date/Time: 1/4/23 1208	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [X] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 3

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Company Name:	AECOM, SC	Contact/Report To:	Dave Oliphant
Street Address:	10 Patewood Drive, Greenville, SC 29615	Phone #:	(864)244-6380
		E-Mail:	dave.oliphant@aecom.com
		Cc E-Mail:	
Customer Project #:		Invoice To:	Accounts Payable
Project Name:	Newberry, SC	Invoice E-Mail:	usapimaging@aecom.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	140628
		Quote #:	00152033
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Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other_____		Regulatory Program (DW, RCRA, etc.) as applicable:	
		Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____	DW PWSID # or WW Permit # as applicable:
		Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No
			Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 5863; Prelog / Bottle Ord. ID: EZ 3039983

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers: Plastic	Number & Type of Containers: Glass	LF Dissolved 200.7-Fe	RSK-M/E/E	TOC 9060	Total 200.7-Fe	Trip Blank	VOC 8260	Sample Comment	Preservation non-conformance identified for sample.
MW-20I	GW	G			1/3/2024	1310			3						X	927067335021	
Trip Blank	GW	G			1/2/2024				2					X		027	

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name:
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
1	93T082	0		3.5

Relinquished by/Company: (Signature) Randy Monge AECOM	Date/Time: 1/4/2024 1208	Received by/Company: (Signature) M. O'Kelly PACE ANL	Date/Time: 1/4/23 1208	Tracking Number:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [X] In- Person [ ] Courier	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 3	

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DATA ASSESSMENT REPORT

Data assessment is a systematic process for reviewing a body of data against a predefined set of criteria to provide assurance that the data meet project analytical Data Quality Objective (DQO) requirements. The purpose of the data assessment process is to determine if and how the usability of the analytical data is affected by the overall analytical processes and sample collection and handling procedures. If specific analytical DQOs are not met, the data are qualified (i.e., data flags are assigned to sample results) in accordance with guidelines established by the United States Environmental Protection Agency (USEPA). Data assessment allows the data user to adequately determine if the data can be used for its intended purpose. The data acceptance criteria are established according to Standard Operating Procedures (SOPs) and Statements of Work (SOWs) provided to the contracted analytical laboratory. The assessment of data quality and usability involves five components, as described below.

1) **Field Sampling Check** is a process to ensure that all samples were collected, and the laboratory analyses were performed as stipulated in the applicable site-specific Work Plan or Field Sampling Plan (FSP). Inspection of sample preservation procedures, sample handling, analysis requested, sample description and ID, cooler receipt forms, holding time evaluation, and Chain of Custody procedures are all evaluated to ensure that the evidentiary nature of the samples and the resulting analytical data have not been compromised.

2) **Data Verification** is a process for determining the completeness, correctness, consistency, and compliance of a data package in accordance with requirements contained in the applicable SOW and/or contract-specific requirements. This is a review of the data package, electronic data deliverable (EDD), and invoice received from the contract laboratory to ensure that the contract required information is present and complete prior to data validation.

3) **Data Review** is a process of reviewing the primary quality control (QC) data provided by the laboratory and the results of any internal quality assurance (QA)/QC samples, such as field blanks, trip blanks, equipment blanks or ambient blanks, field split samples, and duplicate samples, to ascertain any effect the laboratory's procedures or the sample collection process has on the data.

4) **Data Evaluation** is a process to determine if the data meet project-specific analytical DQOs and contract requirements. This evaluation may involve a review of field sampling and sample management procedures, laboratory audits, Performance Evaluation (PE) sample results, and any other data quality indicators that are available.

5) **Data Validation** is a process to determine the accuracy and precision of analytical data generated and to identify any anomalies encountered. The validation process is performed in accordance with USEPA regional or national functional guidelines, project-specific guidelines, and

compliance with the requirements of each analytical method. Two major components of data validation are laboratory performance and matrix interferences. Evaluation of laboratory performance is a check for compliance for each analytical method to determine if the samples were analyzed within the prescribed acceptance criteria of the method. Evaluation of matrix interferences involves the analysis of surrogate spike recoveries, matrix spike recoveries, and duplicate sample results. Data not meeting project-specific analytical DQOs or the requirements of the analytical method are qualified with data flags according to referenced guidelines.

Data Assessment Procedures

AECOM performed independent QC checks of field and laboratory procedures that were used in collecting and analyzing the data. The QC checks verify that the data collected are of appropriate quality for the intended data use and that the analytical DQOs were met. The steps and guidelines followed during the data validation process were modeled on the *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, November 2020) and *USEPA National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, November 2020). In addition, method-specific criteria set forth in the compendium of analytical methods found in the *Test Methods for Evaluation Solid Waste: Physical/Chemical Methods Compendium (SW-846*), *Update V* (USEPA, July 2014) are also evaluated during the validation process. This validation process has been adapted to meet the analytical DQO requirements for generation of definitive critical data.

Data Validation Results

The analytical data (see associated COCs) were collected from January 2-3, 2024, for Signify. The analytical data were validated according to the procedures outlined above. Where data flags have been applied to this data set, they are separated by a slash "/":

Volatile Organic Compounds by Method 8260D

Results of the validation process indicate the data analyzed for this method are acceptable for their intended use and no data flags are required.

Total and Dissolved Lead by Method 200.7

Results of the validation process indicate the data analyzed for this method are acceptable for their intended use and no data flags are required.

Dissolved Gases by RSK-175

Results of the validation process indicate the data analyzed for this method are acceptable for their intended use and no data flags are required.

Total Organic Carbon by Method 9060A

Results of the validation process indicate the data analyzed for this method are acceptable for their intended use and no data flags are required.

Data Summary and Usability

No QC excursions were encountered during the validation of this data set. Therefore, the data associated with this laboratory batch should be considered compliant and adequate for its intended use.

References

United States Environmental Protection Agency (USEPA), February 2014. *Test Methods for Evaluation Solid Waste: Physical/Chemical Methods Compendium (SW-846*), *Update V* (USEPA, July 2014).

United States Environmental Protection Agency (USEPA), November 2020. *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review*. Publication #EPA-542-R-20-006.

United States Environmental Protection Agency (USEPA), November 2020. *USEPA National Functional Guidelines for Organic Superfund Methods Data Review.* Publication #EPA-540-R-20-005.

Attachment 9

Historical Groundwater Data Tables – 2014 to January 2024

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Main Building																		
Sample ID		**MW-1**				**MW-1-PDB**	**MW-2**					**MW-3**				**MW-4**		
Laboratory ID	USEPA	PE22065-001	QG08070-003	SF20036-001	XC02133-010	XC02133-009	QG08070-008	SF13096-005	XC01066-006	XG20043-007	XL28017-003	QG08070-004	SF12046-002	SF12046-002	XB24099-007	QG08070-006	SF12046-005	XB28047-001
Date Collected	MCL	05/22/14	07/07/15	06/19/17	03/02/22	03/02/22	07/08/15	06/13/17	03/01/22	07/20/22	12/28/22	07/07/15	06/12/17	06/12/17	02/23/22	07/08/15	06/12/17	02/28/22
Volatile Organic Compounds by USEPA Method 8260B (µg/L)																		
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 5	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 5	< 5	< 5	< 1	< 5	< 5	< 1
1,1,2-Trichloroethane	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,1,2-Trichlorotrifluoroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,1-Dichloroethene	7	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	**0.46 J//**	< 0.5
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,2-Dichlorobenzene	600	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,2-Dichloroethane	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,2-Dichloropropane	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,3-Dichlorobenzene	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	NS	< 20	< 20	< 20	< 10	**4.7 J//**	< 20	< 20	< 10	< 10	**11**	< 20	< 20	< 20	< 10	< 20	< 20	**4.8 J//**
Benzene	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	**0.53**	**0.58 J//**	**0.6**
Bromobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	80 [1]	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Bromoform	80 [1]	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Carbon disulfide	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Carbon tetrachloride	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Chlorobenzene	100	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Chloroethane	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Chloroform	80 [1]	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
cis-1,2-Dichloroethene	70	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	**14**	**12**	**5.1**
cis-1,3-Dichloropropene	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Cyclohexane	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Dibromochloromethane	80 [1]	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Dibromomethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Diisopropyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	700	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
m&p-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	NS	< 5	< 5	< 5	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 5	< 5	< 5	< 1	< 5	< 5	< 1
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Methylcyclohexane	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Naphthalene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100	**0.45 J//**	< 5	< 5	< 0.5	< 0.5	< 5	< 5	**5.1**	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Tetrachloroethene	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Toluene	1000	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
trans-1,2-Dichloroethene	100	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	**0.87**	< 5	< 0.5
trans-1,3-Dichloropropene	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Trichloroethene (TCE)	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	**3.5**	**3.3 J//**	< 0.5
Trichlorofluoromethane	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	< 2	< 2	< 2	< 0.5	< 0.5	< 2	< 2	< 0.5	< 0.5	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 2	< 0.5
Xylenes (total)	10000	< 5	< 5	< 5	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 5	< 5	< 5	< 1	< 5	< 5	< 1

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Main Building																
Sample ID		**MW-1**				**MW-1-PDB**	**MW-2**					**MW-3**				**MW-4**		
Laboratory ID	USEPA	PE22065-001	QG08070-003	SF20036-001	XC02133-010	XC02133-009	QG08070-008	SF13096-005	XC01066-006	XG20043-007	XL28017-003	QG08070-004	SF12046-002	SF12046-002	XB24099-007	QG08070-006	SF12046-005	XB28047-001
Date Collected	MCL	05/22/14	07/07/15	06/19/17	03/02/22	03/02/22	07/08/15	06/13/17	03/01/22	07/20/22	12/28/22	07/07/15	06/12/17	06/12/17	02/23/22	07/08/15	06/12/17	02/28/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)																		
Iron	0.3 [2]	**0.023 J**	NA	**0.11**	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	**0.23**	NA	**0.035**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	**0.22**	NA	**0.018**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	< 0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	**0.063**	NA	**0.077 J//**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)																		
Alkalinity	NS	< 10	NA	**3.1 J//**	NA	NA	NA	NA	NA	NA	< 20	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)																		
Chloride	250 [2]	NA	NA	**2.2**	NA	NA	NA	NA	**2.2**	NA	**2.2**	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.074**	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	**11**	NA	**0.7 J//**	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)																		
Sulfide	NS	< 1	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)																		
Ethane	NS	0.25	NA	**0.01 Jn**	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA
Methane	NS	**0.49**	NA	**47 n**	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NS	NA	**27000 n**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	**0.092**	NA	**0.0047 Jn**	NA	NA	NA	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)																		
TOC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microbial																		
Dehalococcoides	NS	< 0.3	NA	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	3.6	NA	< 4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Main Building															
Sample ID		**MW-5**			**MW-5-PDB**	**MW-6**					**MW-7**						**MW-7-PDB**
Laboratory ID	USEPA	QG08070-001	SF12046-004	XB24099-014	92706733008	PE22065-003	QG08070-007	SF20036-002	SF20036-008 (Dup-MW-6A)	XB24099-015	PE22065-002	QG08070-002	QG08070-005 (DUP-1)	SF12046-003	XC03052-004	XC03052-003	
Date Collected	MCL	07/07/15	06/12/17	02/24/22	01/02/24	05/22/14	07/08/15	06/19/17	06/19/17	02/24/22	05/22/14	07/07/15	07/07/15	06/12/17	03/03/22	03/03/22	
Volatile Organic Compounds by USEPA Method 8260B (µg/L)																	
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	200	< 5	< 5	< 0.5	< 0.66	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 0.5	< 0.45	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 1	NA	< 50	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	
1,1,2-Trichloroethane	5	< 5	< 5	< 0.5	< 0.65	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
1,1,2-Trichlorotrifluoroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	NS	< 5	< 5	< 0.5	< 0.73	< 50	< 25	**0.76 J//**	**0.72 J//**	< 2.5	**1.5 J//**	**1.9 J//**	**1.8 J//**	**1 J//**	**0.55**	**0.43 J//**	
1,1-Dichloroethene	7	< 5	< 5	< 0.5	< 0.7	< 50	< 25	**1.5 J//**	**1.5 J//**	< 2.5	**1.9 J//**	**3.6 J//**	**3.5 J//**	**1.8 J//**	**1.1**	**0.84**	
1,1-Dichloropropene	NS	NA	NA	NA	< 0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	NS	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	NS	NA	NA	NA	< 0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	70	< 5	< 5	< 0.5	< 1.3	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 0.5	< 0.68	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 0.5	NA	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
1,2-Dichlorobenzene	600	< 5	< 5	< 0.5	< 0.68	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
1,2-Dichloroethane	5	< 5	< 5	**1.1**	**< 0.64**	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
1,2-Dichloropropane	5	< 5	< 5	< 0.5	< 0.71	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
1,3-Dichlorobenzene	NS	< 5	< 5	< 0.5	< 0.68	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
1,3-Dichloropropane	NS	NA	NA	NA	< 0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	75	< 5	< 5	< 0.5	< 0.67	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,2-Dichloropropane	NS	NA	NA	NA	< 0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)	NS	< 10	< 10	< 10	< 7.9	< 100	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	
2-Chlorotoluene	NS	NA	NA	NA	< 0.64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Hexanone	NS	< 10	< 10	< 10	< 0.95	< 100	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	
4-Chlorotoluene	NS	NA	NA	NA	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 5.4	< 100	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	
Acetone	NS	< 20	**6.4 J/B/T**	**4 J/B/F**	**128**	< 200	< 100	< 20	**4.5 J//**	< 50	< 20	< 20	< 20	< 20 /J/E	< 10	**6.2 J//**	
Benzene	5	< 5	< 5	< 0.5	< 0.69	< 50	< 25	**0.66 J//**	**0.63 J//**	< 2.5	**0.29 J//**	**0.36 J//**	**0.5 J//**	< 5	< 0.5	< 0.5	
Bromobenzene	NS	NA	NA	NA	< 0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bromochloromethane	NS	NA	NA	NA	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	80 [1]	< 5	< 5	< 0.5	< 0.61	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Bromoform	80 [1]	< 5	< 5	< 0.5	< 0.68	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 0.5	< 3.3	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Carbon disulfide	NS	< 5	< 5	< 0.5	NA	< 50	< 25	< 5	< 5	< 2.5	**0.47 J//**	< 5	< 5	< 5	< 0.5	< 0.5	
Carbon tetrachloride	5	< 5	< 5	< 0.5	< 0.67	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Chlorobenzene	100	< 5	< 5	< 0.5	< 0.57	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Chloroethane	NS	< 5	< 5	< 0.5	< 1.3	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Chloroform	80 [1]	**0.9**	**2 J//**	**1.1**	< 0.86	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 0.5	< 1.1	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
cis-1,2-Dichloroethene	70	< 5	< 5	**0.58**	< 0.77	**620**	**740**	**530**	**430**	**220**	**95**	**110**	**110**	**44**	**48**	**38**	
cis-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 0.73	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Cyclohexane	NS	< 5	< 5	< 0.5	NA	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Dibromochloromethane	80 [1]	< 5	< 5	< 0.5	< 0.72	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Dibromomethane	NS	NA	NA	NA	< 0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane	NS	< 5	< 5	< 0.5	< 0.69	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Diisopropyl ether	NS	NA	NA	NA	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethylbenzene	700	< 5	< 5	< 0.5	< 0.61	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Hexachloro-1,3-butadiene	NS	NA	NA	NA	< 3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Isopropylbenzene	NS	< 5	< 5	< 0.5	NA	< 50	**3.1**	**3.6 J//**	**3.4 J//**	< 2.5	**2.1 J//**	**2.2 J//**	**2.2 J//**	< 5	< 0.5	< 0.5	
m&p-Xylene	10,000	NA	NA	NA	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl acetate	NS	< 5	< 5	< 1	NA	< 50	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 0.5	< 0.84	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Methylcyclohexane	NS	< 5	< 5	< 5	NA	< 50	< 25	< 5	< 5	< 25	< 5	< 5	< 5	< 5	< 5	< 5	
Methylene chloride	5	< 5	< 5	< 0.5	< 3.9	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Naphthalene	NS	NA	NA	NA	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
o-Xylene	10,000	NA	NA	NA	< 0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
p-Isopropyltoluene	NS	NA	NA	NA	< 0.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	100	< 5	< 5	< 0.5	< 0.58	**1.3 J//**	< 25	**2 J//**	**2.9 J//**	**2.5 /B/F**	**0.14 J//**	< 5	< 5	< 5	< 0.5	< 0.5	
Tetrachloroethene	5	< 5	< 5	< 0.5	< 0.58	< 50	< 25	< 5	< 5	**2.7**	< 5	**0.81 J//**	< 5	< 5	< 0.5	< 0.5	
Toluene	1000	**0.8**	< 5	< 0.5	< 0.97	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
trans-1,2-Dichloroethene	100	< 5	< 5	< 0.5	< 0.79	**18 J//**	**26**	**21**	**19**	**7.8**	**0.87 J//**	**1.5 J//**	**1.6 J//**	< 5	**0.45 J//**	< 0.5	
trans-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 0.73	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Trichloroethene (TCE)	5	**71**	**11**	**240**	**210**	**40 J//**	**64**	**27**	**28**	**330**	**19**	**69**	**69**	**190**	**22**	**17**	
Trichlorofluoromethane	NS	< 5	< 5	< 0.5	< 0.6	< 50	< 25	< 5	< 5	< 2.5	< 5	< 5	< 5	< 5	< 0.5	< 0.5	
Vinyl acetate	NS	NA	NA	NA	< 2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vinyl chloride	2	< 2	< 2	< 0.5	< 0.77	**23**	**15**	**8.1**	**7.4**	**2 J//**	**3.8**	**3.6**	**3.3**	**0.92 J//**	**1.2**	**0.87**	
Xylenes (total)	10000	< 5	< 5	< 1	< 0.68	< 50	< 25	**0.52 J//**	**0.47 J//**	< 5	< 5	< 5	< 5	< 5	< 1	< 1	

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Main Building														
Sample ID		**MW-5**			**MW-5-PDB**	**MW-6**					**MW-7**					**MW-7-PDB**
Laboratory ID	USEPA	QG08070-001	SF12046-004	XB24099-014	92706733008	PE22065-003	QG08070-007	SF20036-002	SF20036-008 (Dup-MW-6A)	XB24099-015	PE22065-002	QG08070-002	QG08070-005 (DUP-1)	SF12046-003	XC03052-004	XC03052-003
Date Collected	MCL	07/07/15	06/12/17	02/24/22	01/02/24	05/22/14	07/08/15	06/19/17	06/19/17	02/24/22	05/22/14	07/07/15	07/07/15	06/12/17	03/03/22	03/03/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)																
Iron	0.3 [2]	NA	NA	**0.052 J//**	NA	**5.6**	NA	**11**	NA	**5.7**	**0.045 J**	NA	NA	NA	**0.06 J//**	NA
Manganese	0.05 [2]	NA	NA	NA	NA	**0.071**	NA	**0.032**	NA	NA	**0.1**	NA	NA	NA	**0.23**	NA
Dissolved Iron	0.3 [2]	NA	NA	< 0.1	NA	NA	NA	NA	NA	**5.9**	NA	NA	NA	NA	< 0.1	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	**0.072**	NA	**0.034**	NA	NA	<0.1	NA	NA	NA	**0.22**	NA
Ferrous Iron	NS	NA	NA	< 0.05	NA	**5.7**	NA	**58**	NA	**5.7**	**0.15**	NA	NA	NA	< 0.05	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	<0.1	NA	< 0.1	NA	NA	**0.3**	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)																
Alkalinity	NS	NA	NA	< 20	NA	**12**	NA	**2.9 J//**	NA	< 20	**5.6 J**	NA	NA	NA	< 20	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)																
Chloride	250 [2]	NA	NA	NA	NA	**14**	NA	**15**	NA	NA	**6.1**	NA	NA	NA	**14**	NA
Nitrate	10	NA	NA	**2.3 B//**	NA	NA	NA	NA	NA	**0.053 B//**	NA	NA	NA	NA	< 0.02	NA
Nitrite	1	NA	NA	< 0.02	NA	NA	NA	NA	NA	**0.015 J//**	NA	NA	NA	NA	< 0.02	NA
Sulfate	250 [2]	NA	NA	< 1	NA	**2.9**	NA	**4.9**	NA	**1.9**	<1.0	NA	NA	NA	**0.66 J//**	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)																
Sulfide	NS	NA	NA	NA	NA	**0.9**	NA	< 1	NA	NA	<1.0	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)																
Ethane	NS	NA	NA	< 10	NA	**0.18**	NA	**0.084 Jn**	NA	< 10	**0.012J**	NA	NA	NA	< 10	NA
Methane	NS	NA	NA	**5.6 J//**	NA	**400**	NA	**560 n**	NA	**790**	**79**	NA	NA	NA	**69 B//**	NA
Carbon Dioxide	NS	NA	NA	NA	NA		NA	**260000**	NA	NA		NA	NA	NA	NA	NA
Ethene	NS	NA	NA	< 10	NA	**0.5**	NA	**0.13 n**	NA	< 10	**0.0075J**	NA	NA	NA	< 10	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)																
TOC	NS	NA	NA	**1.6**	NA	NA	NA	NA	NA	**1.4**	NA	NA	NA	NA	**1.5**	NA
Microbial																
Dehalococcoides	NS	NA	NA	**0.5**	NA	**34.1**	NA	**5.1**	NA	**6.5**	< 0.3	NA	NA	NA	< 0.5	NA
Dehalobacter spp	NS	NA	NA	< 4.9	NA	**3110**	NA	**4550**	NA	**200**	< 3	NA	NA	NA	< 4.8	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	< 0.5	NA	NA	NA	**0.1 J**	NA	< 0.5	NA	NA	NA	NA	< 0.5	NA
tceA Reductase	NS	NA	NA	< 0.5	NA	NA	NA	**0.1 J**	NA	< 0.5	NA	NA	NA	NA	< 0.5	NA
Vinyl chloride Reductase	NS	NA	NA	< 0.5	NA	NA	NA	**0.4 J**	NA	< 0.5	NA	NA	NA	NA	< 0.5	NA
1,1 DCA Reductase	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
1,2 DCA Reductase	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
cerA Reductase	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
Chloroform Reductase	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
Dehalobacter DCM	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
Dehalobium chlorocoercia	NS	NA	NA	**384**	NA	NA	NA	NA	NA	**2470**	NA	NA	NA	NA	< 4.8	NA
Dehalogenimonas spp	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
Desulfitobacterium spp	NS	NA	NA	**13.8**	NA	NA	NA	NA	NA	**4470**	NA	NA	NA	NA	< 4.8	NA
Desulfuromonas spp	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
Dichloromethane Dehalogenase	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
Epoxyalkane Transferase	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
Ethene Monooxygenase	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
Methanogens	NS	NA	NA	**2.6 J**	NA	NA	NA	NA	NA	**1410**	NA	NA	NA	NA	**1.4 J**	NA
PCE Reductase 1	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
PCE Reductase 2	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
Phenol Hydroxylase	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	**45.5**	NA	NA	NA	NA	**2.7 J**	NA
Soluble Methane Monooxygenase	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	**139**	NA	NA	NA	NA	< 4.8	NA
Sulfate Reducing Bacteria	NS	NA	NA	**474**	NA	NA	NA	NA	NA	**38900**	NA	NA	NA	NA	**9.8**	NA
Toluene Dioxygenase	NS	NA	NA	**6**	NA	NA	NA	NA	NA	**22.2**	NA	NA	NA	NA	**0.3 J**	NA
Toluene Monooxygenase	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	**3220**	NA	NA	NA	NA	< 4.8	NA
Toluene Monooxygenase 2	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	**208**	NA	NA	NA	NA	< 4.8	NA
Total Eubacteria	NS	NA	NA	**5670**	NA	NA	NA	NA	NA	**88900**	NA	NA	NA	NA	**5850**	NA
trans-1,2-DCE Reductase	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	< 4.9	NA	NA	NA	NA	NA	< 4.8	NA	NA	NA	NA	< 4.8	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Main Building																		
Sample ID		**MW-8**				**MW-8-PDB**	**MW-8-PDB**	**MW-9**			**MW-9-PDB**	**MW-9-PDB**	**MW-22**			**MW-34**	**MW-35**	**MW-36**
Laboratory ID	USEPA	PE22065-004	QG08070-009	SF20036-005	XC04096-002	XC04096-001	92706733018	QG08070-010	SF12046-001	XC04096-004	XC04096-003	92706733019	QI08038-005	SF13096-006	XB24099-017			
Date Collected	MCL	05/22/14	07/08/15	06/19/17	03/04/22	03/04/22	01/03/24	07/08/15	06/12/17	03/04/22	03/04/22	01/03/24	09/08/15	06/13/17	02/24/22	06/08/23	06/08/23	06/08/23
Volatile Organic Compounds by USEPA Method 8260B (µg/L)																		
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	< 0.78	NA	NA	NA	NA	< 0.31	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	< 50	< 5	< 5	< 2.5	< 2.5	< 0.83	< 25	< 5	< 0.5	< 0.5	< 0.33	< 5	< 5	< 0.5	< 0.33	< 1.7	< 0.33
1,1,2,2-Tetrachloroethane	NS	< 50	< 5	< 5	< 2.5	< 2.5	< 0.56	< 25	< 5	< 0.5	< 0.5	< 0.22	< 5	< 5	< 0.5	< 0.22	< 1.1	< 0.22
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 50	< 5	< 5	< 5	< 5	NA	< 25	< 5	< 1	< 1	NA	< 5	< 5	< 1	NA	NA	NA
1,1,2-Trichloroethane	5	< 50	< 5	< 5	< 2.5	< 2.5	< 0.81	< 25	< 5	< 0.5	< 0.5	< 0.32	< 5	< 5	< 0.5	< 0.32	< 1.6	< 0.32
1,1,2-Trichlorotrifluoroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.32	< 1.6	< 0.32
1,1-Dichloroethane	NS	< 50	< 5	< 5	< 2.5	< 2.5	< 0.92	< 25	< 5	< 0.5	< 0.5	< 0.37	< 5	< 5	< 0.5	< 0.37	< 1.8	< 0.37
1,1-Dichloroethene	7	< 50	**2.8 J//**	**2.6 J//**	**2.2 J//**	**2.7**	**3.1**	< 25	< 5	< 0.5	< 0.5	< 0.35	< 5	< 5	< 0.5	< 0.35	< 1.7	< 0.35
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	< 0.43	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	< 2	NA	NA	NA	NA	< 0.81	NA	NA	NA	< 0.81	< 4	< 0.81
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	< 0.65	NA	NA	NA	NA	< 0.26	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 50	< 5	< 5	< 2.5	< 2.5	< 1.6	< 25	< 5	< 0.5	< 0.5	< 0.64	< 5	< 5	< 0.5	< 0.64	< 3.2	< 0.64
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 50	< 5	< 5	< 2.5	< 2.5	< 0.85	< 25	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 0.34	< 1.7	< 0.34
1,2-Dibromoethane (EDB)	0.05	< 50	< 5	< 5	< 2.5	< 2.5	NA	< 25	< 5	< 0.5	< 0.5	NA	< 5	< 5	< 0.5	< 0.27	< 1.4	< 0.27
1,2-Dichlorobenzene	600	< 50	< 5	< 5	< 2.5	< 2.5	< 0.85	< 25	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 0.34	< 1.7	< 0.34
1,2-Dichloroethane	5	< 50	< 5	< 5	< 2.5	< 2.5	< 0.8	< 25	< 5	< 0.5	< 0.5	< 0.32	< 5	< 5	< 0.5	< 0.32	< 1.6	< 0.32
1,2-Dichloropropane	5	< 50	< 5	< 5	< 2.5	< 2.5	< 0.89	< 25	< 5	< 0.5	< 0.5	< 0.36	< 5	< 5	< 0.5	< 0.36	< 1.8	< 0.36
1,3-Dichlorobenzene	NS	< 50	< 5	< 5	< 2.5	< 2.5	< 0.85	< 25	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 0.34	< 1.7	< 0.34
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	< 0.71	NA	NA	NA	NA	< 0.28	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	< 50	< 5	< 5	< 2.5	< 2.5	< 0.83	< 25	< 5	< 0.5	< 0.5	< 0.33	< 5	< 5	< 0.5	< 0.33	< 1.7	< 0.33
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 38.7	< 194	< 38.7
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	< 0.97	NA	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	NS	< 100	< 10	< 10	**23 J//**	< 50	< 9.9	< 50	< 10	< 10	< 10	< 4	< 10	< 10	< 10	< 4	< 19.8	< 4
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	< 0.8	NA	NA	NA	NA	< 0.32	NA	NA	NA	NA	NA	NA
2-Hexanone	NS	< 100	< 10	< 10	< 50	< 50	< 1.2	< 50	< 10	< 10	< 10	< 0.48	< 10	< 10	< 10	< 0.48	< 2.4	< 0.48
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	< 0.81	NA	NA	NA	NA	< 0.32	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	< 100	< 10	< 10	< 50	< 50	< 6.8	< 50	< 10	< 10	< 10	< 2.7	< 10	< 10	< 10	< 2.7	< 13.6	< 2.7
Acetone	NS	< 200	< 20	< 20	< 50	< 50	**394**	< 100	< 20 /J/E	**4.5 J//**	< 10	**223**	**6.5 J//**	< 20	< 10	**43**	< 25.6	**24.7 J**
Benzene	5	< 50	< 5	< 5	< 2.5	< 2.5	< 0.86	< 25	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 0.34	< 1.7	< 0.34
Bromobenzene	NS	NA	NA	NA	NA	NA	< 0.72	NA	NA	NA	NA	< 0.29	NA	NA	NA	NA	NA	NA
Bromochloromethane	NS	NA	NA	NA	NA	NA	< 1.2	NA	NA	NA	NA	< 0.47	NA	NA	NA	< 0.47	< 2.3	< 0.47
Bromodichloromethane	80 [1]	< 50	< 5	< 5	< 2.5	< 2.5	< 0.77	< 25	< 5	< 0.5	< 0.5	< 0.31	**0.6 J//**	< 5	< 0.5	< 0.31	< 1.5	< 0.31
Bromoform	80 [1]	< 50	< 5	< 5	< 2.5	< 2.5	< 0.85	< 25	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 0.34	< 1.7	< 0.34
Bromomethane (Methyl bromide)	NS	< 50	< 5	< 5	< 2.5	< 2.5	< 4.2	< 25	< 5	< 0.5	< 0.5	< 1.7	< 5	< 5	< 0.5	< 1.7	< 8.3	< 1.7
Carbon disulfide	NS	< 50	< 5	< 5	< 2.5	< 2.5	NA	< 25	< 5	< 0.5	< 0.5	NA	< 5	< 5	< 0.5	< 0.73	< 3.6	< 0.73
Carbon tetrachloride	5	< 50	< 5	< 5	< 2.5	< 2.5	< 0.83	< 25	< 5	< 0.5	< 0.5	< 0.33	< 5	< 5	< 0.5	< 0.33	< 1.7	< 0.33
Chlorobenzene	100	< 50	< 5	< 5	< 2.5	< 2.5	< 0.71	< 25	< 5	< 0.5	< 0.5	< 0.28	< 5	< 5	< 0.5	< 0.28	< 1.4	< 0.28
Chloroethane	NS	< 50	< 5	< 5	< 2.5	< 2.5	< 1.6	< 25	< 5	< 0.5	< 0.5	< 0.65	< 5	< 5	< 0.5	< 0.65	< 3.2	< 0.65
Chloroform	80 [1]	< 50	**3.1 J//**	**1.6 J//**	< 2.5	< 2.5	< 1.1	< 25	< 5	< 0.5	< 0.5	< 0.43	**2.3 J//**	**0.5 J//**	< 0.5	< 0.43	< 2.2	**0.57 J**
Chloromethane (Methyl chloride)	NS	< 50	< 5	< 5	< 2.5	< 2.5	< 1.4	< 25	< 5	< 0.5	< 0.5	< 0.54	< 5	< 5	< 0.5	< 0.54	< 2.7	< 0.54
cis-1,2-Dichloroethene	70	**80**	**78**	**74**	**76**	**83**	**130**	**11 J//**	**7**	**11**	**11**	**4.5**	< 5	< 5	< 0.5	< 0.38	**6.6**	< 0.38
cis-1,3-Dichloropropene	NS	< 50	< 5	< 5	< 2.5	< 2.5	< 0.91	< 25	< 5	< 0.5	< 0.5	< 0.36	< 5	< 5	< 0.5	< 0.36	< 1.8	< 0.36
Cyclohexane	NS	< 50	< 5	< 5	< 2.5	< 2.5	NA	< 25	< 5	< 0.5	< 0.5	NA	< 5	< 5	< 0.5	< 0.35	< 1.8	< 0.35
Dibromochloromethane	80 [1]	< 50	< 5	< 5	< 2.5	< 2.5	< 0.9	< 25	< 5	< 0.5	< 0.5	< 0.36	< 5	< 5	< 0.5	< 0.36	< 1.8	< 0.36
Dibromomethane	NS	NA	NA	NA	NA	NA	< 0.98	NA	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NS	< 50	< 5	< 5	< 2.5	< 2.5	< 0.86	< 25	< 5	< 0.5	< 0.5	< 0.35	< 5	< 5	< 0.5	< 0.35	< 1.7	< 0.35
Diisopropyl ether	NS	NA	NA	NA	NA	NA	< 0.77	NA	NA	NA	NA	< 0.31	NA	NA	NA	NA	NA	NA
Ethylbenzene	700	< 50	< 5	< 5	< 2.5	< 2.5	< 0.76	< 25	< 5	< 0.5	< 0.5	< 0.3	< 5	< 5	< 0.5	**0.59 J**	< 1.5	< 0.3
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	< 3.8	NA	NA	NA	NA	< 1.5	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NS	< 50	**0.74 J//**	**0.59 J//**	< 2.5	< 2.5	NA	< 25	< 5	< 0.5	< 0.5	NA	< 5	< 5	< 0.5	< 0.33	< 1.7	< 0.33
m&p-Xylene	10,000	NA	NA	NA	NA	NA	< 1.8	NA	NA	NA	NA	< 0.71	NA	NA	NA	< 0.71	< 3.5	< 0.71
Methyl acetate	NS	< 50	< 5	< 5	< 5	< 5	NA	< 25	< 5	< 1	< 1	NA	< 5	< 5	< 1	< 2.4	< 12	< 2.4
Methyl tertiary butyl ether (MTBE)	NS	< 50	< 5	< 5	< 2.5	< 2.5	< 1.1	< 25	< 5	< 0.5	< 0.5	< 0.42	< 5	< 5	< 0.5	< 0.42	< 2.1	< 0.42
Methylcyclohexane	NS	< 50	< 5	< 5	< 25	< 25	NA	< 25	< 5	< 5	< 5	NA	< 5	< 5	< 5	< 1.5	< 7.6	< 1.5
Methylene chloride	5	< 50	< 5	< 5	< 2.5	< 2.5	< 4.9	< 25	< 5	< 0.5	< 0.5	< 2	< 5	< 5	< 0.5	< 2	**19 J,C9**	< 2
Naphthalene	NS	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	< 0.64	NA	NA	NA	NA	NA	NA
o-Xylene	10,000	NA	NA	NA	NA	NA	< 0.84	NA	NA	NA	NA	< 0.34	NA	NA	NA	< 0.34	< 1.7	< 0.34
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	< 1	NA	NA	NA	NA	< 0.41	NA	NA	NA	NA	NA	NA
Styrene	100	**2.2 J//**	< 5	< 5	< 2.5	< 2.5	< 0.73	< 25	< 5	< 0.5	< 0.5	< 0.29	< 5	< 5	< 0.5	**109**	**22**	**6.5**
Tetrachloroethene	5	**5.7 J//**	**8.4**	**5**	< 2.5	**2.2 J//**	< 0.73	< 25	**1.1 J//**	< 0.5	< 0.5	< 0.29	< 5	< 5	< 0.5	< 0.29	< 1.5	< 0.29
Toluene	1000	< 50	< 5	< 5	< 2.5	< 2.5	< 1.2	< 25	< 5	< 0.5	< 0.5	< 0.48	< 5	< 5	< 0.5	0.63 J	< 2.4	< 0.48
trans-1,2-Dichloroethene	100	< 50	**3.5 J//**	**6.8**	**3.7**	**4.4**	**5.9**	< 25	< 5	< 0.5	< 0.5	< 0.4	< 5	< 5	< 0.5	< 0.4	< 2	< 0.4
trans-1,3-Dichloropropene	NS	< 50	< 5	< 5	< 2.5	< 2.5	< 0.91	< 25	< 5	< 0.5	< 0.5	< 0.36	< 5	< 5	< 0.5	< 0.36	< 1.8	< 0.36
Trichloroethene (TCE)	5	**890**	**1100**	**650**	**530**	**600**	**412**	**340**	**170**	**69**	**73**	**44.8**	< 5	< 5	< 0.5	< 0.38	**681**	**12.7**
Trichlorofluoromethane	NS	< 50	< 5	< 5	< 2.5	< 2.5	< 0.74	< 25	< 5	< 0.5	< 0.5	< 0.3	< 5	< 5	< 0.5	< 0.3	< 1.5	< 0.3
Vinyl acetate	NS	NA	NA	NA	NA	NA	< 3.3	NA	NA	NA	NA	< 1.3	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	< 20	< 2	**0.68 J//**	< 2.5	< 2.5	< 0.96	< 10	< 2	< 0.5	< 0.5	< 0.39	< 2	< 2	< 0.5	< 0.39	< 1.9	< 0.39
Xylenes (total)	10000	< 50	< 5	< 5	< 5	< 5	< 0.84	< 25	< 5	< 1	< 1	< 0.34	< 5	< 5	< 1	NA	NA	NA

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Main Building																
Sample ID		**MW-8**				**MW-8-PDB**	**MW-8-PDB**	**MW-9**			**MW-9-PDB**	**MW-9-PDB**	**MW-22**			**MW-34**	**MW-35**	**MW-36**
Laboratory ID	USEPA	PE22065-004	QG08070-009	SF20036-005	XC04096-002	XC04096-001	92706733018	QG08070-010	SF12046-001	XC04096-004	XC04096-003	92706733019	QI08038-005	SF13096-006	XB24099-017			
Date Collected	MCL	05/22/14	07/08/15	06/19/17	03/04/22	03/04/22	01/03/24	07/08/15	06/12/17	03/04/22	03/04/22	01/03/24	09/08/15	06/13/17	02/24/22	06/08/23	06/08/23	06/08/23
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)																		
Iron	0.3 [2]	**0.24**	NA	**0.21**	**0.97**	NA	NA	NA	NA	**0.3**	NA	NA	NA	NA	< 0.1	NA	NA	NA
Manganese	0.05 [2]	**0.13**	NA	**0.059**	**0.08**	NA	NA	NA	NA	**0.045**	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	< 0.1	NA	NA	NA	NA	< 0.1	NA	NA	NA	NA	< 0.1	NA	NA	NA
Dissolved Manganese	0.05 [2]	**0.17**	NA	**0.06**	**0.076**	NA	NA	NA	NA	**0.043**	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	**0.38**	NA	< 0.05	**0.051 H//**	NA	NA	NA	NA	< 0.05 H//	NA	NA	NA	NA	< 0.05	NA	NA	NA
Ferric Iron (calculation)	NS	<1.0	NA	**0.19**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)																		
Alkalinity	NS	**11**	NA	< 10	< 20	NA	NA	NA	NA	< 20	NA	NA	NA	NA	< 20	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)																		
Chloride	250 [2]	**6.6**	NA	**5.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	**0.053 B//**	NA	NA	NA	NA	**0.69 B//**	NA	NA	NA	NA	**1.2 B//**	NA	NA	NA
Nitrite	1	NA	NA	NA	**0.036**	NA	NA	NA	NA	< 0.02	NA	NA	NA	NA	< 0.02	NA	NA	NA
Sulfate	250 [2]	**4.2**	NA	< 1	**0.55 J//**	NA	NA	NA	NA	**0.27 J//**	NA	NA	NA	NA	**7.4**	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)																		
Sulfide	NS	<1	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)																		
Ethane	NS	0.041	NA	**0.014 Jn**	< 10	NA	NA	NA	NA	< 10	NA	NA	NA	NA	< 10	NA	NA	NA
Methane	NS	150	NA	**340 n**	**220**	NA	NA	NA	NA	**4.2 J//**	NA	NA	NA	NA	**2.7 J//**	NA	NA	NA
Carbon Dioxide	NS		NA	**210000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	0.039	NA	**0.03 Jn**	< 10	NA	NA	NA	NA	< 10	NA	NA	NA	NA	< 10	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)																		
TOC	NS	NA	NA	NA	**1.8**	NA	NA	NA	NA	< 1	NA	NA	NA	NA	< 1	NA	NA	NA
Microbial																		
Dehalococcoides	NS	**0.6**	NA	< 0.5	< 0.5	NA	NA	NA	NA	< 0.5	NA	NA	NA	NA	< 0.5	NA	NA	NA
Dehalobacter spp	NS	**256**	NA	< 4.6	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	**110**	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	< 0.5	< 0.5	NA	NA	NA	NA	< 0.5	NA	NA	NA	NA	< 0.5	NA	NA	NA
tceA Reductase	NS	NA	NA	< 0.5	< 0.5	NA	NA	NA	NA	< 0.5	NA	NA	NA	NA	< 0.5	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	< 0.5	< 0.5	NA	NA	NA	NA	< 0.5	NA	NA	NA	NA	< 0.5	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	< 4.9	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	< 4.9	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	< 4.9	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	< 4.9	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	**< 4.9**	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	**38.8**	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	< 4.9	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	< 5	NA	NA	NA	NA	**13.3**	NA	NA	NA	NA	**546**	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	< 4.9	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	< 4.9	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	**135**	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	**273**	NA	NA	NA
Methanogens	NS	NA	NA	NA	< 5	NA	NA	NA	NA	**1.5 J**	NA	NA	NA	NA	**0.5 J**	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	< 4.9	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	< 4.9	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	**528**	NA	NA	NA	NA	**77.4**	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	**124**	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	**2250**	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	< 4.9	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	**4430**	NA	NA	NA	NA	< 4.9	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	< 5	NA	NA	NA	NA	**39.9**	NA	NA	NA	NA	**414**	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	**573 I**	NA	NA	NA	NA	**326000**	NA	NA	NA	NA	**19400**	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	< 4.9	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	< 5	NA	NA	NA	NA	< 4.7	NA	NA	NA	NA	< 4.9	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Main Building																	
Sample ID		**MW-37**	**MW-38**	**TMW-21**				**TMW-22**				**TMW-23**				**TMW-29**	
Laboratory ID	USEPA			QG09023-006	SF14078-001	XB28047-005	92706733004	QG09023-005	SF14078-002	XB28047-006	92706733003	QG09023-003	SF14078-003	XC01061-002	92706733002	PF04097-011	XC01066-003
Date Collected	MCL	06/08/23	06/08/23	07/09/15	06/14/17	02/28/22	01/02/24	07/09/15	06/14/17	02/28/22	01/02/24	07/09/15	06/14/17	03/01/22	01/02/24	06/04/14	03/01/22
Volatile Organic Compounds by USEPA Method 8260B (µg/L)																	
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	NA	NA
1,1,1-Trichloroethane	200	< 0.33	< 0.33	< 100	< 100	< 0.5	< 0.33	< 25	< 50	< 0.5	< 0.33	< 5	< 5	< 5	< 0.33	< 5	< 0.5
1,1,2,2-Tetrachloroethane	NS	< 0.22	< 0.22	< 100	< 100	< 0.5	< 0.22	< 25	< 50	< 0.5	< 0.22	< 5	< 5	< 5	< 0.22	< 5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NA	NA	< 100	< 100	< 1	NA	< 25	< 50	< 1	NA	< 5	< 5	< 10	NA	< 5	< 1
1,1,2-Trichloroethane	5	< 0.32	< 0.32	< 100	< 100	< 0.5	< 0.32	< 25	< 50	< 0.5	< 0.32	< 5	< 5	< 5	< 0.32	< 5	< 0.5
1,1,2-Trichlorotrifluoroethane	NS	< 0.32	< 0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NS	< 0.37	< 0.37	< 100	< 100	< 0.5	< 0.37	< 25	< 50	< 0.5	< 0.37	< 5	< 5	< 5	< 0.37	< 5	< 0.5
1,1-Dichloroethene	7	< 0.35	< 0.35	< 100	< 100	**3.9**	**6.3**	< 25	< 50	**3.1**	**2.2**	< 5	< 5	< 5	< 0.35	< 5	< 0.5
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA	NA	< 0.43	NA	NA	NA	< 0.43	NA	NA
1,2,3-Trichlorobenzene	NS	< 0.81	< 0.81	NA	NA	NA	< 0.81	NA	NA	NA	< 0.81	NA	NA	NA	< 0.81	NA	NA
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	< 0.26	NA	NA	NA	< 0.26	NA	NA	NA	< 0.26	NA	NA
1,2,4-Trichlorobenzene	70	< 0.64	< 0.64	< 100	< 100	< 0.5	< 0.64	< 25	< 50	< 0.5	< 0.64	< 5	< 5	< 5	< 0.64	< 5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 0.34	< 0.34	< 100	< 100	< 0.5	< 0.34	< 25	< 50	< 0.5	< 0.34	< 5	< 5	< 5	< 0.34	< 5	< 0.5
1,2-Dibromoethane (EDB)	0.05	< 0.27	< 0.27	< 100	< 100	< 0.5	NA	< 25	< 50	< 0.5	NA	< 5	< 5	< 5	NA	< 5	< 0.5
1,2-Dichlorobenzene	600	< 0.34	< 0.34	< 100	< 100	< 0.5	< 0.34	< 25	< 50	< 0.5	< 0.34	< 5	< 5	< 5	< 0.34	< 5	< 0.5
1,2-Dichloroethane	5	< 0.32	< 0.32	< 100	< 100	< 0.5	< 0.32	< 25	< 50	< 0.5	< 0.32	< 5	< 5	< 5	< 0.32	< 5	< 0.5
1,2-Dichloropropane	5	< 0.36	< 0.36	< 100	< 100	< 0.5	< 0.36	< 25	< 50	< 0.5	< 0.36	< 5	< 5	< 5	< 0.36	< 5	< 0.5
1,3-Dichlorobenzene	NS	< 0.34	< 0.34	< 100	< 100	< 0.5	< 0.34	< 25	< 50	< 0.5	< 0.34	< 5	< 5	< 5	< 0.34	< 5	< 0.5
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	NA	NA
1,4-Dichlorobenzene	75	< 0.33	< 0.33	< 100	< 100	< 0.5	< 0.33	< 25	< 50	< 0.5	< 0.33	< 5	< 5	< 5	< 0.33	< 5	< 0.5
1,4-Dioxane (p-Dioxane)	NS	< 38.7	< 38.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	< 0.39	NA	NA	NA	< 0.39	NA	NA	NA	< 0.39	NA	NA
2-Butanone (MEK)	NS	< 4	< 4	< 200	< 200	**8 J//**	< 4	< 50	< 100	**2.8 J//**	< 4	< 10	< 10	< 100	< 4	< 10	< 10
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	< 0.32	NA	NA	NA	< 0.32	NA	NA	NA	< 0.32	NA	NA
2-Hexanone	NS	< 0.48	< 0.48	< 200	< 200	< 10	< 0.48	< 50	< 100	< 10	< 0.48	< 10	< 10	< 100	< 0.48	< 10	< 10
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	< 0.32	NA	NA	NA	< 0.32	NA	NA	NA	< 0.32	NA	NA
4-Methyl-2-pentanone	NS	< 2.7	< 2.7	< 200	< 200	< 10	< 2.7	< 50	< 100	< 10	< 2.7	< 10	< 10	< 100	< 2.7	< 10	< 10
Acetone	NS	< 5.1	< 5.1	< 400	**41 J/B/T**	**100**	< 5.1	**58 J//**	**35 J/B/T**	**38**	**19 J**	**19 J//**	**29 /B/T**	< 100	**18.1 J**	**55**	**7.9 J//**
Benzene	5	< 0.34	< 0.34	< 100	< 100	< 0.5	< 0.34	< 25	< 50	< 0.5	< 0.34	< 5	< 5	< 5	< 0.34	< 5	< 0.5
Bromobenzene	NS	NA	NA	NA	NA	NA	< 0.29	NA	NA	NA	< 0.29	NA	NA	NA	< 0.29	NA	NA
Bromochloromethane	NS	< 0.47	< 0.47	NA	NA	NA	< 0.47	NA	NA	NA	< 0.47	NA	NA	NA	< 0.47	NA	NA
Bromodichloromethane	80 [1]	< 0.31	< 0.31	< 100	< 100	< 0.5	< 0.31	< 25	< 50	< 0.5	< 0.31	< 5	< 5	< 5	< 0.31	< 5	< 0.5
Bromoform	80 [1]	< 0.34	< 0.34	< 100	< 100	< 0.5	< 0.34	< 25	< 50	< 0.5	< 0.34	< 5	< 5	< 5	< 0.34	< 5	< 0.5
Bromomethane (Methyl bromide)	NS	< 1.7 U,v3	< 1.7	< 100	< 100	< 0.5	< 1.7	< 25	< 50	< 0.5	< 1.7	< 5	< 5	< 5	< 1.7	< 5	< 0.5
Carbon disulfide	NS	< 0.73	< 0.73	< 100	< 100	< 0.5	NA	< 25	< 50	< 0.5	NA	< 5	< 5	< 5	NA	< 5	< 0.5
Carbon tetrachloride	5	< 0.33	< 0.33	< 100	< 100	< 0.5	< 0.33	< 25	< 50	< 0.5	< 0.33	< 5	< 5	< 5	< 0.33	< 5	< 0.5
Chlorobenzene	100	< 0.28	< 0.28	< 100	< 100	< 0.5	< 0.28	< 25	< 50	< 0.5	< 0.28	< 5	< 5	< 5	< 0.28	< 5	< 0.5
Chloroethane	NS	< 0.65	< 0.65	< 100	< 100	< 0.5	< 0.65	< 25	< 50	< 0.5	< 0.65	< 5	< 5	< 5	< 0.65	< 5	< 0.5
Chloroform	80 [1]	< 0.43	**0.95 J**	**9.5 J//**	< 100	**1.3**	< 0.43	**6.6 J//**	**5.7 J//**	**0.87**	< 0.43	< 5	**0.8 J//**	**8.9**	**4.3**	< 5	< 0.5
Chloromethane (Methyl chloride)	NS	< 0.54	< 0.54	< 100	< 100	< 0.5	< 0.54	< 25	< 50	< 0.5	< 0.54	< 5	< 5	< 5	< 0.54	< 5	< 0.5
cis-1,2-Dichloroethene	70	< 0.38	< 0.38	**58 J//**	**50 J//**	**130**	**146**	**31**	**33 J//**	**49**	**19.2**	**6.3**	**3.8 J//**	< 5	**0.49 J**	< 5	< 0.5
cis-1,3-Dichloropropene	NS	< 0.36	< 0.36	< 100	< 100	< 0.5	< 0.36	< 25	< 50	< 0.5	< 0.36	< 5	< 5	< 5	< 0.36	< 5	< 0.5
Cyclohexane	NS	< 0.35	< 0.35	< 100	< 100	< 0.5	NA	< 25	< 50	< 0.5	NA	< 5	< 5	< 5	NA	< 5	< 0.5
Dibromochloromethane	80 [1]	< 0.36	< 0.36	< 100	< 100	< 0.5	< 0.36	< 25	< 50	< 0.5	< 0.36	< 5	< 5	< 5	< 0.36	< 5	< 0.5
Dibromomethane	NS	NA	NA	NA	NA	NA	< 0.39	NA	NA	NA	< 0.39	NA	NA	NA	< 0.39	NA	NA
Dichlorodifluoromethane	NS	< 0.35	< 0.35	< 100	< 100	< 0.5	< 0.35	< 25	< 50	< 0.5	< 0.35	< 5	< 5	< 5	< 0.35	< 5	< 0.5
Diisopropyl ether	NS	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	NA	NA
Ethylbenzene	700	< 0.3	< 0.3	< 100	< 100	< 0.5	< 0.3	< 25	< 50	< 0.5	< 0.3	< 5	< 5	< 5	< 0.3	< 5	< 0.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	< 1.5	NA	NA	NA	< 1.5	NA	NA	NA	< 1.5	NA	NA
Isopropylbenzene	NS	< 0.33	< 0.33	< 100	< 100	< 0.5	NA	< 25	< 50	< 0.5	NA	< 5	< 5	< 5	NA	< 5	< 0.5
m&p-Xylene	10,000	< 0.71	< 0.71	NA	NA	NA	< 0.71	NA	NA	NA	< 0.71	NA	NA	NA	< 0.71	NA	NA
Methyl acetate	NS	< 2.4	< 2.4	< 100	**8.1 J//**	< 1	NA	< 25	< 50	< 1	NA	< 5	< 5	< 10	NA	< 5	< 1
Methyl tertiary butyl ether (MTBE)	NS	< 0.42	< 0.42	< 100	< 100	< 0.5	< 0.42	< 25	< 50	< 0.5	< 0.42	< 5	< 5	< 5	< 0.42	< 5	< 0.5
Methylcyclohexane	NS	< 1.5	< 1.5	< 100	< 100	< 5	NA	< 25	< 50	< 5	NA	< 5	< 5	< 50	NA	< 5	< 5
Methylene chloride	5	< 2	< 2	< 100	< 100	< 0.5	< 2	< 25	< 50	< 0.5	< 2	< 5	< 5	< 5	< 2	< 5	< 0.5
Naphthalene	NS	NA	NA	NA	NA	NA	< 0.64	NA	NA	NA	< 0.64	NA	NA	NA	< 0.64	NA	NA
o-Xylene	10,000	< 0.34	< 0.34	NA	NA	NA	< 0.34	NA	NA	NA	< 0.34	NA	NA	NA	< 0.34	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	< 0.41	NA	NA	NA	< 0.41	NA	NA	NA	< 0.41	NA	NA
Styrene	100	**9.9**	**1.1**	**8.6 J//**	< 100	**56**	**0.57 J**	**24 J//**	**18 J//**	**31**	< 0.29	**68**	**43**	**20**	**2.4**	**81**	**120**
Tetrachloroethene	5	< 0.29	< 0.29	**7.2 J//**	< 100	**1.1**	< 0.29	**4.4 J//**	< 50	**0.95**	< 0.29	**0.7 J//**	**1.7 J//**	< 5	< 0.29	< 5	< 0.5
Toluene	1000	< 0.48	< 0.48	< 100	< 100	< 0.5	< 0.48	< 25	< 50	< 0.5	< 0.48	< 5	< 5	< 5	< 0.48	< 5	< 0.5
trans-1,2-Dichloroethene	100	< 0.4	< 0.4	< 100	< 100	**5.1**	**4.2**	< 25	< 50	**2.2**	**0.49 J**	< 5	< 5	< 5	< 0.4	< 5	< 0.5
trans-1,3-Dichloropropene	NS	< 0.36	< 0.36	< 100	< 100	< 0.5	< 0.36	< 25	< 50	< 0.5	< 0.36	< 5	< 5	< 5	< 0.36	< 5	< 0.5
Trichloroethene (TCE)	5	**21.1**	**10**	**1000**	**890**	**260**	**90.1**	**680**	**440**	**220**	**86.9**	**92**	**170**	**420**	**111**	**25**	**9.3**
Trichlorofluoromethane	NS	< 0.3	< 0.3	< 100	< 100	< 0.5	< 0.3	< 25	< 50	< 0.5	< 0.3	< 5	< 5	< 5	< 0.3	< 5	< 0.5
Vinyl acetate	NS	NA	NA	NA	NA	NA	< 1.3	NA	NA	NA	< 1.3	NA	NA	NA	< 1.3	NA	NA
Vinyl chloride	2	< 0.39	< 0.39	< 40	< 40	**0.89**	**1.1**	< 10	< 20	**0.4 J//**	< 0.39	< 2	< 2	< 5	< 0.39	< 2	< 0.5
Xylenes (total)	10000	NA	NA	< 100	< 100	< 1	< 0.34	< 25	< 50	< 1	< 0.34	< 5	< 5	< 10	< 0.34	< 5	< 1

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Main Building															
Sample ID		**MW-37**	**MW-38**	**TMW-21**				**TMW-22**				**TMW-23**				**TMW-29**	
Laboratory ID	USEPA			QG09023-006	SF14078-001	XB28047-005	92706733004	QG09023-005	SF14078-002	XB28047-006	92706733003	QG09023-003	SF14078-003	XC01061-002	92706733002	PF04097-011	XC01066-003
Date Collected	MCL	06/08/23	06/08/23	07/09/15	06/14/17	02/28/22	01/02/24	07/09/15	06/14/17	02/28/22	01/02/24	07/09/15	06/14/17	03/01/22	01/02/24	06/04/14	03/01/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)																	
Iron	0.3 [2]	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.1	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	< 0.1	NA	NA	NA	< 0.1	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	**0.089**	NA	NA	NA	< 0.05	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)																	
Alkalinity	NS	NA	NA	NA	NA	< 20	NA	NA	NA	< 20	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)																	
Chloride	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.8**
Nitrate	10	NA	NA	NA	NA	**0.37**	NA	NA	NA	**0.026**	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	NA	NA	**0.011** J//	NA	NA	NA	< 0.02	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)																	
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)																	
Ethane	NS	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	NA	NA	NA	**280**	NA	NA	NA	**120**	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	NA	NA	< 10	NA	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)																	
TOC	NS	NA	NA	NA	NA	< 1	NA	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA
Microbial																	
Dehalococcoides	NS	NA	NA	NA	NA	< 0.5	NA	NA	NA	**0.7**	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	**9640**	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	< 0.5	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	< 0.5	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	< 0.5	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	**246**	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	**11400**	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	**141**	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	**2760**	NA	NA	NA	**129**	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	**331**	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	**7690**	NA	NA	NA	**3180**	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	**253**	NA	NA	NA	**1.6** J	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	**2400000**	NA	NA	NA	**69900**	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	< 5.2	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Main Building									
Sample ID		**TMW-30**			**TMW-31**						
Laboratory ID	USEPA	QG09023-004	SF14078-004	XC01061-001	QG09023-002	SF14078-005	XC01066-004	XG20043-006	XL28017-001	92690805001	92706733001
Date Collected	MCL	07/09/15	06/14/17	03/01/22	07/09/15	06/14/17	03/01/22	07/20/22	12/28/22	09/29/23	01/02/24
Volatile Organic Compounds by USEPA Method 8260B (µg/L)											
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 3.9	< 0.31
1,1,1-Trichloroethane	200	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.2	< 0.33
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 2.8	< 0.22
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 1	< 25	< 100	< 5	< 10	< 50	NA	NA
1,1,2-Trichloroethane	5	**0.3 J//**	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.1	< 0.32
1,1,2-Trichlorotrifluoroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.6	< 0.37
1,1-Dichloroethene	7	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.4	< 0.35
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 5.3	< 0.43
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 10.1	< 0.81
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 3.3	< 0.26
1,2,4-Trichlorobenzene	70	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 8	< 0.64
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.2	< 0.34
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	NA	NA
1,2-Dichlorobenzene	600	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.2	< 0.34
1,2-Dichloroethane	5	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4	< 0.32
1,2-Dichloropropane	5	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.4	< 0.36
1,3-Dichlorobenzene	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.2	< 0.34
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 3.6	< 0.28
1,4-Dichlorobenzene	75	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.2	< 0.33
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	< 0.39
2-Butanone (MEK)	NS	< 10	< 10	< 10	< 50	< 200	< 50	< 100	< 500	< 49.5	< 4
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 0.32
2-Hexanone	NS	< 10	< 10	< 10	< 50	< 200	< 50	< 100	< 500	< 6	< 0.48
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 4	< 0.32
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 50	< 200	< 50	< 100	< 500	< 33.9	< 2.7
Acetone	NS	**21**	**11 J/B/T**	**12**	**51 J//**	**70 J/B/T**	< 50	< 100	< 500	< 63.9	< 5.1
Benzene	5	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.3	< 0.34
Bromobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 3.6	< 0.29
Bromochloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 5.8	< 0.47
Bromodichloromethane	80 [1]	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 3.8	< 0.31
Bromoform	80 [1]	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.3	< 0.34
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 20.8	< 1.7
Carbon disulfide	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	NA	NA
Carbon tetrachloride	5	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.2	< 0.33
Chlorobenzene	100	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 3.6	< 0.28
Chloroethane	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 8.1	< 0.65
Chloroform	80 [1]	**6.1**	**3.3 J//**	**2.1**	< 25	< 100	< 2.5	< 5	< 25	< 5.4	< 0.43
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 6.8	< 0.54
cis-1,2-Dichloroethene	70	**5.6**	**1.2 J//**	< 0.5	**2 J//**	**9.3 J//**	**3**	**9.6**	**32**	**14.8**	< 0.38
cis-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.6	< 0.36
Cyclohexane	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	NA	NA
Dibromochloromethane	80 [1]	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.5	< 0.36
Dibromomethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 4.9	< 0.39
Dichlorodifluoromethane	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.3	< 0.35
Diisopropyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 3.8	< 0.31
Ethylbenzene	700	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 3.8	< 0.3
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 19.1	< 1.5
Isopropylbenzene	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	NA	NA
m&p-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	< 8.9	< 0.71
Methyl acetate	NS	< 5	< 5	< 1	< 25	< 100	< 5	< 10	< 50	NA	NA
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 5.3	< 0.42
Methylcyclohexane	NS	< 5	< 5	< 5	< 25	< 100	< 25	< 50	< 250	NA	NA
Methylene chloride	5	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 24.4	< 2
Naphthalene	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 8.1	< 0.64
o-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	< 4.2	< 0.34
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 5.2	< 0.41
Styrene	100	**32**	**6.9**	**18**	**27**	**18 J//**	< 2.5	**7.5**	< 25	< 3.6	< 0.29
Tetrachloroethene	5	**0.9 J//**	**0.6 J//**	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 3.6	< 0.29
Toluene	1000	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 6.1	< 0.48
trans-1,2-Dichloroethene	100	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 5	< 0.4
trans-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 4.5	< 0.36
Trichloroethene (TCE)	5	**150 /M/m**	**74**	**20**	**330**	**1400**	**480**	**860**	**3600**	**1810**	**1.1**
Trichlorofluoromethane	NS	< 5	< 5	< 0.5	< 25	< 100	< 2.5	< 5	< 25	< 3.7	< 0.3
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 16.4	< 1.3
Vinyl chloride	2	< 2	< 2	< 0.5	< 10	< 40	< 2.5	< 5	< 25	< 4.8	< 0.39
Xylenes (total)	10000	< 5	< 5	< 1	< 25	< 100	< 5	< 10	< 50	< 4.2	< 0.34

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Main Building									
Sample ID		**TMW-30**			**TMW-31**						
Laboratory ID	USEPA	QG09023-004	SF14078-004	XC01061-001	QG09023-002	SF14078-005	XC01066-004	XG20043-006	XL28017-001	92690805001	92706733001
Date Collected	MCL	07/09/15	06/14/17	03/01/22	07/09/15	06/14/17	03/01/22	07/20/22	12/28/22	09/29/23	01/02/24
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)											
Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)											
Alkalinity	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)											
Chloride	250 [2]	NA	NA	NA	NA	NA	**6**	**5.6**	**3.2**	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	**1.3**	NA	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	**0.011 J**	NA	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)											
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)											
Ethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)											
TOC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microbial											
Dehalococcoides	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Pole Winder Building													
Sample ID		**TMW-24**				**TMW-25**				**TMW-32**		**TMW-33**		
Laboratory ID	USEPA	QG08070-012	SF13096-008	XB28047-002	92706733005	QG09023-001	SF13096-010	XB28047-004	92706733006	QG08070-011	SF13096-009	QG09023-007	SF13096-007	XB28047-003
Date Collected	MCL	07/08/15	06/13/17	02/28/22	01/02/24	07/08/15	06/13/17	02/28/22	01/02/24	07/08/15	06/13/17	07/09/15	06/13/17	02/28/22
Volatile Organic Compounds by USEPA Method 8260B (µg/L)														
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	< 25	< 25	< 0.5	< 0.33	< 5	< 5	< 0.5	< 0.33	< 5	< 25	< 25	< 25	< 0.5
1,1,2,2-Tetrachloroethane	NS	< 25	< 25	< 0.5	< 0.22	< 5	< 5	< 0.5	< 0.22	< 5	< 25	< 25	< 25	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 25	< 25	< 1	NA	< 5	< 5	< 1	NA	< 5	< 25	< 25	< 25	< 1
1,1,2-Trichloroethane	5	< 25	< 25	< 0.5	< 0.32	< 5	< 5	< 0.5	< 0.32	< 5	< 25	< 25	< 25	< 0.5
1,1,2-Trichlorotrifluoroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NS	< 25	< 25	< 0.5	**0.61 J**	< 5	< 5	< 0.5	< 0.37	< 5	< 25	< 25	< 25	< 0.5
1,1-Dichloroethene	7	< 25	< 25	< 0.5	< 0.35	< 5	< 5	< 0.5	< 0.35	< 5	< 25	< 25	< 25	< 0.5
1,1-Dichloropropene	NS	NA	NA	NA	< 0.43	NA	NA	NA	< 0.43	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	< 0.81	NA	NA	NA	< 0.81	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NS	NA	NA	NA	< 0.26	NA	NA	NA	< 0.26	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 25	< 25	< 0.5	< 0.64	< 5	< 5	< 0.5	< 0.64	< 5	< 25	< 25	< 25	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 25	< 25	< 0.5	< 0.34	< 5	< 5	< 0.5	< 0.34	< 5	< 25	< 25	< 25	< 0.5
1,2-Dibromoethane (EDB)	0.05	< 25	< 25	< 0.5	NA	< 5	< 5	< 0.5	NA	< 5	< 25	< 25	< 25	< 0.5
1,2-Dichlorobenzene	600	< 25	< 25	< 0.5	< 0.34	< 5	< 5	< 0.5	< 0.34	< 5	< 25	< 25	< 25	< 0.5
1,2-Dichloroethane	5	< 25	< 25	< 0.5	**0.37 J**	< 5	< 5	< 0.5	< 0.32	< 5	< 25	< 25	< 25	< 0.5
1,2-Dichloropropane	5	< 25	< 25	< 0.5	< 0.36	< 5	< 5	< 0.5	< 0.36	< 5	< 25	< 25	< 25	< 0.5
1,3-Dichlorobenzene	NS	< 25	< 25	< 0.5	< 0.34	< 5	< 5	< 0.5	< 0.34	< 5	< 25	< 25	< 25	< 0.5
1,3-Dichloropropane	NS	NA	NA	NA	< 0.28	NA	NA	NA	< 0.28	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	< 25	< 25	< 0.5	< 0.33	< 5	< 5	< 0.5	< 0.33	< 5	< 25	< 25	< 25	< 0.5
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	< 0.39	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA
2-Butanone (MEK)	NS	< 50	< 50	< 10	< 4	< 10	**3.7 J//**	< 10	< 4	< 10	< 50	< 50	< 50	< 10
2-Chlorotoluene	NS	NA	NA	NA	< 0.32	NA	NA	NA	< 0.32	NA	NA	NA	NA	NA
2-Hexanone	NS	< 50	< 50	< 10	< 0.48	< 10	< 10	< 10	< 0.48	< 10	< 50	< 50	< 50	< 10
4-Chlorotoluene	NS	NA	NA	NA	< 0.32	NA	NA	NA	< 0.32	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	< 50	< 50	< 10	< 2.7	< 10	< 10	< 10	< 2.7	< 10	< 50	< 50	< 50	< 10
Acetone	NS	**58 J//**	**150**	**29**	< 5.1	**7.5 J//**	**7.8 J//**	**5 J//**	< 5.1	**11 J//**	**16 J//**	< 100	< 100	**34**
Benzene	5	< 25	< 25	< 0.5	< 0.34	< 5	< 5	< 0.5	< 0.34	< 5	< 25	< 25	< 25	< 0.5
Bromobenzene	NS	NA	NA	NA	< 0.29	NA	NA	NA	< 0.29	NA	NA	NA	NA	NA
Bromochloromethane	NS	NA	NA	NA	< 0.47	NA	NA	NA	< 0.47	NA	NA	NA	NA	NA
Bromodichloromethane	80 [1]	< 25	< 25	< 0.5	< 0.31	< 5	< 5	< 0.5	< 0.31	< 5	< 25	< 25	< 25	< 0.5
Bromoform	80 [1]	< 25	< 25	< 0.5	< 0.34	< 5	< 5	< 0.5	< 0.34	< 5	< 25	< 25	< 25	< 0.5
Bromomethane (Methyl bromide)	NS	< 25	< 25	< 0.5	< 1.7	< 5	< 5	< 0.5	< 1.7	< 5	< 25	< 25	< 25	< 0.5
Carbon disulfide	NS	< 25	< 25	< 0.5	NA	< 5	< 5	< 0.5	NA	< 5	< 25	< 25	< 25	< 0.5
Carbon tetrachloride	5	< 25	< 25	< 0.5	< 0.33	< 5	< 5	< 0.5	< 0.33	< 5	< 25	< 25	< 25	< 0.5
Chlorobenzene	100	< 25	< 25	< 0.5	< 0.28	< 5	< 5	< 0.5	< 0.28	< 5	< 25	< 25	< 25	< 0.5
Chloroethane	NS	< 25	< 25	< 0.5	< 0.65	< 5	< 5	< 0.5	< 0.65	< 5	< 25	< 25	< 25	< 0.5
Chloroform	80 [1]	**2.5 J//**	**2.2 J//**	< 0.5	< 0.43	**0.32 J//**	< 5	< 0.5	< 0.43	**0.33 J//**	< 25	**3.3 J//**	< 25	< 0.5
Chloromethane (Methyl chloride)	NS	< 25	< 25	< 0.5	< 0.54	< 5	< 5	< 0.5	< 0.54	< 5	< 25	< 25	< 25	< 0.5
cis-1,2-Dichloroethene	70	**4 J//**	< 25	**1.3**	**18.6**	< 5	< 5	< 0.5	< 0.38	**3.8 J//**	**4.2 J//**	< 25	< 25	**0.74**
cis-1,3-Dichloropropene	NS	< 25	< 25	< 0.5	< 0.36	< 5	< 5	< 0.5	< 0.36	< 5	< 25	< 25	< 25	< 0.5
Cyclohexane	NS	< 25	< 25	< 0.5	NA	< 5	< 5	< 0.5	NA	< 5	< 25	< 25	< 25	< 0.5
Dibromochloromethane	80 [1]	< 25	< 25	< 0.5	< 0.36	< 5	< 5	< 0.5	< 0.36	< 5	< 25	< 25	< 25	< 0.5
Dibromomethane	NS	NA	NA	NA	< 0.39	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NS	< 25	< 25	< 0.5	< 0.35	< 5	< 5	< 0.5	< 0.35	< 5	< 25	< 25	< 25	< 0.5
Diisopropyl ether	NS	NA	NA	NA	< 0.31	NA	NA	NA	< 0.31	NA	NA	NA	NA	NA
Ethylbenzene	700	< 25	< 25	< 0.5	< 0.3	< 5	< 5	< 0.5	< 0.3	< 5	< 25	< 25	< 25	< 0.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	< 1.5	NA	NA	NA	< 1.5	NA	NA	NA	NA	NA
Isopropylbenzene	NS	< 25	< 25	< 0.5	NA	< 5	< 5	< 0.5	NA	< 5	< 25	< 25	< 25	< 0.5
m&p-Xylene	10,000	NA	NA	NA	< 0.71	NA	NA	NA	< 0.71	NA	NA	NA	NA	NA
Methyl acetate	NS	< 25	< 25	< 1	NA	< 5	< 5	< 1	NA	< 5	< 25	< 25	< 25	< 1
Methyl tertiary butyl ether (MTBE)	NS	< 25	< 25	< 0.5	< 0.42	< 5	< 5	< 0.5	< 0.42	< 5	< 25	< 25	< 25	< 0.5
Methylcyclohexane	NS	< 25	< 25	< 5	NA	< 5	< 5	< 5	NA	< 5	< 25	< 25	< 25	< 5
Methylene chloride	5	< 25	< 25	< 0.5	< 2	< 5	< 5	< 0.5	< 2	< 5	< 25	< 25	< 25	< 0.5
Naphthalene	NS	NA	NA	NA	< 0.64	NA	NA	NA	< 0.64	NA	NA	NA	NA	NA
o-Xylene	10,000	NA	NA	NA	< 0.34	NA	NA	NA	< 0.34	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	< 0.41	NA	NA	NA	< 0.41	NA	NA	NA	NA	NA
Styrene	100	< 25	**14 J//**	**22**	**0.39 J**	**2.8 J//**	< 5	**4.8**	**13**	**23**	**15 J//**	< 25	< 25	**10**
Tetrachloroethene	5	< 25	< 25	< 0.5	< 0.29	< 5	< 5	< 0.5	< 0.29	< 5	< 25	< 25	< 25	< 0.5
Toluene	1000	< 25	< 25	< 0.5	< 0.48	< 5	< 5	< 0.5	< 0.48	< 5	< 25	< 25	< 25	< 0.5
trans-1,2-Dichloroethene	100	< 25	< 25	< 0.5	< 0.4	< 5	< 5	< 0.5	< 0.4	< 5	< 25	< 25	< 25	< 0.5
trans-1,3-Dichloropropene	NS	< 25	< 25	< 0.5	< 0.36	< 5	< 5	< 0.5	< 0.36	< 5	< 25	< 25	< 25	< 0.5
Trichloroethene (TCE)	5	**1200**	**320**	**70**	**93.8**	**15**	**38**	**45**	**51.9**	**200**	**220**	**240**	**120**	**20**
Trichlorofluoromethane	NS	< 25	< 25	< 0.5	< 0.3	< 5	< 5	< 0.5	< 0.3	< 5	< 25	< 25	< 25	< 0.5
Vinyl acetate	NS	NA	NA	NA	< 1.3	NA	NA	NA	< 1.3	NA	NA	NA	NA	NA
Vinyl chloride	2	< 10	< 10	< 0.5	**1.2**	< 2	< 2	< 0.5	< 0.39	< 2	< 10	< 10	< 10	< 0.5
Xylenes (total)	10000	< 25	< 25	< 1	< 0.34	< 5	< 5	< 1	< 0.34	< 5	< 25	< 25	< 25	< 1

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Pole Winder Building												
Sample ID		**TMW-24**				**TMW-25**				**TMW-32**		**TMW-33**		
Laboratory ID	USEPA	QG08070-012	SF13096-008	XB28047-002	92706733005	QG09023-001	SF13096-010	XB28047-004	92706733006	QG08070-011	SF13096-009	QG09023-007	SF13096-007	XB28047-003
Date Collected	MCL	07/08/15	06/13/17	02/28/22	01/02/24	07/08/15	06/13/17	02/28/22	01/02/24	07/08/15	06/13/17	07/09/15	06/13/17	02/28/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)														
Iron	0.3 [2]	NA	NA	**0.15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	< 0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	< 0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)														
Alkalinity	NS	NA	NA	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)														
Chloride	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	**1.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	< 0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)														
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)														
Ethane	NS	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)														
TOC	NS	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microbial														
Dehalococcoides	NS	NA	NA	NA	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	NA	NA	< 0.5	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	**5.2**	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	**5390**	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

Sample ID		Dickert Property																					
		MW-10						MW-10-PDB	MW-11				MW-11-PDB	MW-12				MW-12-PDB	MW-12-PDB				
Laboratory ID	USEPA	QH06108-007	SF20036-006	XC08061-004	XG20043-001	XL19029-001		92706733016	QH06108-008	SF16059-004	XC02133-005		XC02133-006	QH11036-001	SF16059-012	XC02133-001		XC02133-002	92706733014				
Date Collected	MCL	08/06/15	06/19/17	03/08/22	07/19/22	12/19/22	06/09/23	01/03/24	08/06/15	06/15/17	03/02/22		03/02/22	08/10/15	06/16/17	03/02/22		03/02/22	01/03/24				
Volatile Organic Compounds by USEPA Method 8260B (µg/L)																							
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	NA	< 1.2	NA	NA	NA		NA	NA	NA	NA		NA	< 0.31				
1,1,1-Trichloroethane	200	< 25	< 5	< 10	< 25	< 5	< 1.3	< 1.3	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.33				
1,1,2,2-Tetrachloroethane	NS	< 25	< 5	< 10	< 25	< 5	< 0.9	< 0.9	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.22				
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 25	< 5	< 20	< 50	< 10	NA	NA	< 5	< 5	< 1		< 1	< 5	< 5	< 1		< 1	NA				
1,1,2-Trichloroethane	5	< 25	5	< 10	< 25	< 5	< 1.3	< 1.3	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.32				
1,1,2-Trichlorotrifluoroethane	NS	NA	NA	NA	NA	NA	< 1.3	NA	NA	NA	NA		NA	NA	NA	NA		NA	NA				
1,1-Dichloroethane	NS	< 25	< 5	< 10	< 25	< 5	< 1.5	< 1.5	< 5	< 5	< 0.5		< 0.5	< 5	**0.5 J//**	**0.47 J//**		**0.46 J//**	**0.38 J**				
1,1-Dichloroethene	7	< 25	< 5	< 10	< 25	< 5	< 1.4	< 1.4	< 5	< 5	< 0.5		< 0.5	< 5	**1 J//**	**0.61**		**0.68**	**0.62 J**				
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	NA	< 1.7	NA	NA	NA		NA	NA	NA	NA		NA	< 0.43				
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	< 3.2	< 3.2	NA	NA	NA		NA	NA	NA	NA		NA	< 0.81				
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA		NA	NA	NA	NA		NA	< 0.26				
1,2,4-Trichlorobenzene	70	< 25	< 5	< 10	< 25	< 5	< 2.6	< 2.6	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.64				
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 25	< 5	< 10	< 25	< 5	< 1.4	< 1.4	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.34				
1,2-Dibromoethane (EDB)	0.05	< 25	< 5	< 10	< 25	< 5	< 1.1	NA	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	NA				
1,2-Dichlorobenzene	600	< 25	< 5	< 10	< 25	< 5	< 1.4	< 1.4	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.34				
1,2-Dichloroethane	5	< 25	**0.54 J//**	< 10	< 25	**5.7**	**3.2 J**	**3.1 J**	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.32				
1,2-Dichloropropane	5	< 25	< 5	< 10	< 25	< 5	< 1.4	< 1.4	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.36				
1,3-Dichlorobenzene	NS	< 25	< 5	< 10	< 25	< 5	< 1.4	< 1.4	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.34				
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA		NA	NA	NA	NA		NA	< 0.28				
1,4-Dichlorobenzene	75	< 25	< 5	< 10	< 25	< 5	< 1.3	< 1.3	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.33				
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	< 155	NA	NA	NA	NA		NA	NA	NA	NA		NA	NA				
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA		NA	NA	NA	NA		NA	< 0.39				
2-Butanone (MEK)	NS	< 50	< 10	< 200	< 500	< 100	< 15.8	< 15.8	< 10	< 10	< 10		< 10	< 10	< 10	< 10		< 10	< 4				
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	< 1.3	NA	NA	NA		NA	NA	NA	NA		NA	< 0.32				
2-Hexanone	NS	< 50	< 10	< 200	< 500	**28 J//**	< 1.9	< 1.9	< 10	< 10	< 10		< 10	< 10	< 10	< 10		< 10	< 0.48				
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	< 1.3	NA	NA	NA		NA	NA	NA	NA		NA	< 0.32				
4-Methyl-2-pentanone	NS	< 50	< 10	< 200	< 500	< 100	< 10.8	< 10.8	< 10	< 10	< 10		< 10	< 10	< 10	< 10		< 10	< 2.7				
Acetone	NS	< 100	**2.6 J//**	< 200	< 500	< 100	< 20.4	< 20.4	< 20	< 20	< 10		**9.2 J//**	< 20	< 20	< 10		**10**	**47.3**				
Benzene	5	< 25	< 5	< 10	< 25	< 5	< 1.4	< 1.4	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.34				
Bromobenzene	NS	NA	NA	NA	NA	NA	NA	< 1.2	NA	NA	NA		NA	NA	NA	NA		NA	< 0.29				
Bromochloromethane	NS	NA	NA	NA	NA	NA	< 1.9	< 1.9	NA	NA	NA		NA	NA	NA	NA		NA	< 0.47				
Bromodichloromethane	80 [1]	< 25	< 5	< 10	< 25	< 5	< 1.2	< 1.2	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.31				
Bromoform	80 [1]	< 25	< 5	< 10	< 25	< 5	< 1.4	< 1.4	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.34				
Bromomethane (Methyl bromide)	NS	< 25	< 5	< 10	< 25	< 5	< 6.6	< 6.6 U,IH	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 1.7				
Carbon disulfide	NS	< 25	< 5	< 10	< 25	< 5	< 2.9	NA	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	NA				
Carbon tetrachloride	5	< 25	< 5	< 10	< 25	< 5	< 1.3	< 1.3	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.33				
Chlorobenzene	100	< 25	< 5	< 10	< 25	< 5	< 1.1	< 1.1	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.28				
Chloroethane	NS	< 25	< 5	< 10	< 25	< 5	< 2.6	< 2.6	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.65				
Chloroform	80 [1]	< 25	< 5	< 10	< 25	< 5	< 1.7	< 1.7	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.43				
Chloromethane (Methyl chloride)	NS	< 25	< 5	< 10	< 25	< 5	< 2.2	< 2.2	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.54				
cis-1,2-Dichloroethene	70	< 25	**1.5 J//**	< 10	< 25	**15**	**13.8**	**16**	< 5	< 5	< 0.5		< 0.5	**22**	**37**	**29**		**30**	**28.3**				
cis-1,3-Dichloropropene	NS	< 25	< 5	< 10	< 25	< 5	< 1.5	< 1.5	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.36				
Cyclohexane	NS	< 25	< 5	< 10	< 25	< 5	< 1.4	NA	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	NA				
Dibromochloromethane	80 [1]	< 25	< 5	< 10	< 25	< 5	< 1.4	< 1.4	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.36				
Dibromomethane	NS	NA	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA		NA	NA	NA	NA		NA	< 0.39				
Dichlorodifluoromethane	NS	< 25	< 5	< 10	< 25	< 5	< 1.4	< 1.4	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.35				
Diisopropyl ether	NS	NA	NA	NA	NA	NA	NA	< 1.2	NA	NA	NA		NA	NA	NA	NA		NA	< 0.31				
Ethylbenzene	700	< 25	< 5	< 10	< 25	< 5	< 1.2	< 1.2	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.3				
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	NA	< 6.1 U,IH	NA	NA	NA		NA	NA	NA	NA		NA	< 1.5				
Isopropylbenzene	NS	< 25	< 5	< 10	< 25	< 5	< 1.3	NA	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	NA				
m&p-Xylene	10,000	NA	NA	NA	NA	NA	< 2.8	< 2.8	NA	NA	NA		NA	NA	NA	NA		NA	< 0.71				
Methyl acetate	NS	< 25	< 5	< 20	< 50	< 10	< 9.6	NA	< 5	< 5	< 1		< 1	< 5	< 5	< 1		< 1	NA				
Methyl tertiary butyl ether (MTBE)	NS	< 25	< 5	< 10	< 25	< 5	< 1.7	< 1.7	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.42				
Methylcyclohexane	NS	< 25	< 5	< 100	< 250	< 50	< 6	NA	< 5	< 5	< 5		< 5	< 5	< 5	< 5		< 5	NA				
Methylene chloride	5	< 25	< 5	< 10	< 25	< 5	**15.1 J,C9**	< 7.8	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 2				
Naphthalene	NS	NA	NA	NA	NA	NA	NA	< 2.6	NA	NA	NA		NA	NA	NA	NA		NA	< 0.64				
o-Xylene	10,000	NA	NA	NA	NA	NA	< 1.4	< 1.4	NA	NA	NA		NA	NA	NA	NA		NA	< 0.34				
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	< 1.7	NA	NA	NA		NA	NA	NA	NA		NA	< 0.41				
Styrene	100	< 25	< 5	< 10	< 25	< 5	< 1.2	< 1.2	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.29				
Tetrachloroethene	5	< 25	< 5	< 10	< 25	< 5	< 1.2	< 1.2	< 5	< 5	< 0.5		< 0.5	**0.49 J//**	**0.67 J//**	< 0.5		< 0.5	< 0.29				
Toluene	1000	< 25	< 5	< 10	< 25	< 5	< 1.9	< 1.9	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.48				
trans-1,2-Dichloroethene	100	< 25	< 5	< 10	< 25	< 5	< 1.6	**2.1 J**	< 5	< 5	< 0.5		< 0.5	< 5	**0.43 J//**	< 0.5		< 0.5	< 0.4				
trans-1,3-Dichloropropene	NS	< 25	< 5	< 10	< 25	< 5	< 1.5	< 1.5	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.36				
Trichloroethene (TCE)	5	**830**	**570**	**590**	**760**	**500**	**464**	**567**	< 5	**0.6 J//**	< 0.5		< 0.5	**39**	**58**	**47**		**54**	**50.2**				
Trichlorofluoromethane	NS	< 25	< 5	< 10	< 25	< 5	< 1.2	< 1.2	< 5	< 5	< 0.5		< 0.5	< 5	< 5	< 0.5		< 0.5	< 0.3				
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	< 5.2	NA	NA	NA		NA	NA	NA	NA		NA	< 1.3				
Vinyl chloride	2	< 10	< 2	< 10	< 25	< 5	< 1.5	< 1.5	< 2	< 2	< 0.5		< 0.5	< 2	< 2	< 0.5		< 0.5	< 0.39				
Xylenes (total)	10000	< 25	< 5	< 20	< 50	**4.3 J//**	NA	< 1.4	< 5	< 5	< 1		< 1	< 5	< 5	< 1		< 1	< 0.34				

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Dickert Property																
Sample ID		**MW-10**						**MW-10-PDB**	**MW-11**			**MW-11-PDB**	**MW-12**			**MW-12-PDB**	**MW-12-PDB**
Laboratory ID	USEPA	QH06108-007	SF20036-006	XC08061-004	XG20043-001	XL19029-001		92706733016	QH06108-008	SF16059-004	XC02133-005	XC02133-006	QH11036-001	SF16059-012	XC02133-001	XC02133-002	92706733014
Date Collected	MCL	08/06/15	06/19/17	03/08/22	07/19/22	12/19/22	06/09/23	01/03/24	08/06/15	06/15/17	03/02/22	03/02/22	08/10/15	06/16/17	03/02/22	03/02/22	01/03/24
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)																	
Iron	0.3 [2]	NA	**0.14**	**5.9**	**31**	**43**	NA	**26.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	**0.012 J//**	**0.18**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	**1.9**	**11**	**14**	NA	**15.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	**0.012 J//**	**0.052**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	< 0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	**0.11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)																	
Alkalinity	NS	NA	**12**	NA	**330**	**110**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)																	
Chloride	250 [2]	NA	**56**	**28**	**25**	**20**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	**0.17**	< 0.02	**0.12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	**0.015 J//**	**0.72**	< 0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	< 1	**0.58 J//**	**1.3**	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)																	
Sulfide	NS	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)																	
Ethane	NS	NA	**0.038 Jn**	< 10	< 10	< 10	NA	< 5.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	**2.2 n**	**2600**	**9100**	**7500**	NA	**4720**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	**100000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	**0.061 Jn**	**2.8 J//**	**8 J**	< 10	NA	< 5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)																	
TOC	NS	NA	NA	**920**	**390 H**	**250**	NA	**52.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microbial																	
Dehalococcoides	NS	NA	<0.5	NA	NA	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	<4.8	NA	NA	< 14.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	<0.5	NA	NA	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	<0.5	NA	NA	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	<0.5	NA	NA	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
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Bold outline indicates an exceedance of the USEPA MCL.

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Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Dickert Property																		
Sample ID		**MW-13**			**MW-14**			**MW-14-PDB**	**MW-14-PDB**	**MW-15**			**MW-16**			**MW-16-PDB**	**MW-17**		
Laboratory ID	USEPA	QH11036-006	SF16059-011	XB24099-002	QH11036-002	SF16059-010	XC02133-003	XC02133-004	92706733015	QH11036-003	SF16059-009	XB22075-005	QH11036-004	SF16059-002	XB22075-002	92706733012	QH11036-005	SF16059-001	XB22075-003
Date Collected	MCL	08/10/15	06/16/17	02/22/22	08/10/15	06/16/17	03/02/22	03/02/22	01/03/24	08/10/15	06/16/17	02/22/22	08/10/15	06/15/17	02/22/22	01/03/24	08/10/15	06/15/17	02/22/22
Volatile Organic Compounds by USEPA Method 8260B (µg/L)																			
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA
1,1,1-Trichloroethane	200	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.33	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.33	< 5	< 5	< 0.5
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.22	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.22	< 5	< 5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 1	< 5	< 5	< 1	< 1	NA	< 5	< 5	< 1	< 5 /M/DM	< 5	< 1	NA	< 5	< 5	< 1
1,1,2-Trichloroethane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.32	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.32	< 5	< 5	< 0.5
1,1,2-Trichlorotrifluoroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.37	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.37	< 5	< 5	< 0.5
1,1-Dichloroethene	7	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.35	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.35	< 5	< 5	< 0.5
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	NA	NA	< 0.43	NA	NA	NA	NA	NA	NA	< 0.43	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	NA	NA	< 0.81	NA	NA	NA	NA	NA	NA	< 0.81	NA	NA	NA
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	< 0.26	NA	NA	NA	NA	NA	NA	< 0.26	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.64	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.64	< 5	< 5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.34	< 5	< 5	< 0.5
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	NA	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	NA	< 5	< 5	< 0.5
1,2-Dichlorobenzene	600	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.34	< 5	< 5	< 0.5
1,2-Dichloroethane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.32	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.32	< 5	< 5	< 0.5
1,2-Dichloropropane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.36	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.36	< 5	< 5	< 0.5
1,3-Dichlorobenzene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.34	< 5	< 5	< 0.5
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA
1,4-Dichlorobenzene	75	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.33	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.33	< 5	< 5	< 0.5
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA	NA	< 0.39	NA	NA	NA
2-Butanone (MEK)	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 4	< 10	< 10	< 10	< 10 /M/D	< 10	< 10	< 4	< 10	< 10	< 10
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	< 0.32	NA	NA	NA	NA	NA	NA	< 0.32	NA	NA	NA
2-Hexanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 0.48	< 10	< 10	< 10	< 10 /M/D	< 10	< 10	< 0.48	< 10	< 10	< 10
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	< 0.32	NA	NA	NA	NA	NA	NA	< 0.32	NA	NA	NA
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.7	< 10	< 10	< 10	< 10 /M/D	< 10	< 10	< 2.7	< 10	< 10	< 10
Acetone	NS	< 20	< 20	< 10	< 20	< 20	< 10	**6.9 J//**	**259**	< 20	< 20	< 10	< 20 /M/D	< 20	< 10	**92.2**	< 20	< 20	< 10
Benzene	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.34	< 5	< 5	< 0.5
Bromobenzene	NS	NA	NA	NA	NA	NA	NA	NA	< 0.29	NA	NA	NA	NA	NA	NA	< 0.29	NA	NA	NA
Bromochloromethane	NS	NA	NA	NA	NA	NA	NA	NA	< 0.47	NA	NA	NA	NA	NA	NA	< 0.47	NA	NA	NA
Bromodichloromethane	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.31	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.31	< 5	< 5	< 0.5
Bromoform	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.34	< 5	< 5	< 0.5
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 1.7	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 1.7	< 5	< 5	< 0.5
Carbon disulfide	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	NA	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	NA	< 5	< 5	< 0.5
Carbon tetrachloride	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.33	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.33	< 5	< 5	< 0.5
Chlorobenzene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.28	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.28	< 5	< 5	< 0.5
Chloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.65	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.65	< 5	< 5	< 0.5
Chloroform	80 [1]	**0.59 J//**	< 5	< 0.5	**1.8 J//**	< 5	< 0.5	< 0.5	< 0.43	**1.4 J//**	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.43	**0.53 J//**	< 5	< 0.5
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.54	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.54	< 5	< 5	< 0.5
cis-1,2-Dichloroethene	70	**3.2 J//**	**3.8 J//**	**3.1**	< 5	< 5	< 0.5	< 0.5	< 0.38	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.38	< 5	**0.5 J//**	< 0.5
cis-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.36	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.36	< 5	< 5	< 0.5
Cyclohexane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	NA	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	NA	< 5	< 5	< 0.5
Dibromochloromethane	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.36	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.36	< 5	< 5	< 0.5
Dibromomethane	NS	NA	NA	NA	NA	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA	NA	< 0.39	NA	NA	NA
Dichlorodifluoromethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.35	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.35	< 5	< 5	< 0.5
Diisopropyl ether	NS	NA	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA
Ethylbenzene	700	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.3	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.3	< 5	< 5	< 0.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	NA	NA	< 1.5	NA	NA	NA	NA	NA	NA	< 1.5	NA	NA	NA
Isopropylbenzene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	NA	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	NA	< 5	< 5	< 0.5
m&p-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	< 0.71	NA	NA	NA	NA	NA	NA	< 0.71	NA	NA	NA
Methyl acetate	NS	< 5	< 5	< 1	< 5	< 5	< 1	< 1	NA	< 5	< 5	< 1	< 5 /M/D	< 5	< 1	NA	< 5	< 5	< 1
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.42	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.42	< 5	< 5	< 0.5
Methylcyclohexane	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	NA	< 5	< 5	< 5	< 5 /M/DM	< 5	< 5	NA	< 5	< 5	< 5
Methylene chloride	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 2	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 2	< 5	< 5	< 0.5
Naphthalene	NS	NA	NA	NA	NA	NA	NA	NA	< 0.64	NA	NA	NA	NA	NA	NA	< 0.64	NA	NA	NA
o-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	< 0.34	NA	NA	NA	NA	NA	NA	< 0.34	NA	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	< 0.41	NA	NA	NA	NA	NA	NA	< 0.41	NA	NA	NA
Styrene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.29	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.29	< 5	< 5	< 0.5
Tetrachloroethene	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.29	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.29	< 5	< 5	< 0.5
Toluene	1000	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.48	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.48	< 5	< 5	< 0.5
trans-1,2-Dichloroethene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.4	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.4	< 5	< 5	< 0.5
trans-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.36	< 5	< 5	< 0.5	< 5 /M/D	< 5	< 0.5	< 0.36	< 5	< 5	< 0.5
Trichloroethene (TCE)	5	**13**	**25**	**70**	**24**	**50**	**100**	**100**	**139**	**15**	**4.2 J//**	**3.3**	**38** /M/DM	**35**	**48**	**67.8**	**18**	**14**	**8.6**
Trichlorofluoromethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.3	< 5	< 5	< 0.5	< 5 /M/DM	< 5	< 0.5	< 0.3	< 5	< 5	< 0.5
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	< 1.3	NA	NA	NA	NA	NA	NA	< 1.3	NA	NA	NA
Vinyl chloride	2	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 0.5	< 0.39	< 2	< 2	< 0.5	< 2 /M/DM	< 2	< 0.5	< 0.39	< 2	< 2	< 0.5
Xylenes (total)	10000	< 5	< 5	< 1	< 5	< 5	< 1	< 1	< 0.34	< 5	< 5	< 1	< 5 /M/DM	< 5	< 1	< 0.34	< 5	< 5	< 1

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
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Newberry, SC

		Dickert Property																	
Sample ID		**MW-13**			**MW-14**			**MW-14-PDB**	**MW-14-PDB**	**MW-15**			**MW-16**			**MW-16-PDB**	**MW-17**		
Laboratory ID	USEPA	QH11036-006	SF16059-011	XB24099-002	QH11036-002	SF16059-010	XC02133-003	XC02133-004	92706733015	QH11036-003	SF16059-009	XB22075-005	QH11036-004	SF16059-002	XB22075-002	92706733012	QH11036-005	SF16059-001	XB22075-003
Date Collected	MCL	08/10/15	06/16/17	02/22/22	08/10/15	06/16/17	03/02/22	03/02/22	01/03/24	08/10/15	06/16/17	02/22/22	08/10/15	06/15/17	02/22/22	01/03/24	08/10/15	06/15/17	02/22/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)																			
Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)																			
Alkalinity	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)																			
Chloride	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)																			
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)																			
Ethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)																			
TOC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microbial																			
Dehalococcoides	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Dickert Property								Folk Property			
Sample ID		**MW-18**			**MW-28**		**MW-29**		**TMW 117**	**MW-26**		**MW-27**	
Laboratory ID	USEPA	QH06108-006	SF22082-001	XB22075-010	TD03064-002	XB24099-001	TD03064-001	XB22075-009	SF12045-001 **(21 - 25 ft)**	TD03064-003	XB24099-004	TD03064-004	XB24099-003
Date Collected	MCL	08/06/15	06/20/17	02/22/22	04/03/18	02/22/22	04/03/18	02/22/22	06/12/17	04/03/18	02/23/22	04/03/18	02/23/22
Volatile Organic Compounds by USEPA Method 8260B (µg/L)													
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 5	< 1	< 5	< 1
1,1,2-Trichloroethane	5	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,1,2-Trichlorotrifluoroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,1-Dichloroethene	7	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,2-Dichlorobenzene	600	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,2-Dichloroethane	5	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,2-Dichloropropane	5	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,3-Dichlorobenzene	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**2.1 J//**	< 10	< 10	< 10	< 10
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	NS	< 20	< 20	< 10	**2.4 J//**	< 10	**4.1 J//**	< 10	**35**	< 20	< 10	< 20	< 10
Benzene	5	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Bromobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	80 [1]	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Bromoform	80 [1]	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Carbon disulfide	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Carbon tetrachloride	5	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Chlorobenzene	100	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Chloroethane	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Chloroform	80 [1]	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	**0.4 J//**	**1.2**
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
cis-1,2-Dichloroethene	70	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
cis-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Cyclohexane	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Dibromochloromethane	80 [1]	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Dibromomethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Diisopropyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	700	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
m&p-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	NS	< 5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 5	< 1	< 5	< 1
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Methylcyclohexane	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	5	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Naphthalene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Tetrachloroethene	5	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Toluene	1000	< 5	< 5	< 0.5	< 5	< 0.5	**2.2 J//**	< 0.5	< 5	< 5	< 0.5	**0.6 J//**	< 0.5
trans-1,2-Dichloroethene	100	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
trans-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Trichloroethene (TCE)	5	**7.4**	**7.3**	**27**	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Trichlorofluoromethane	NS	< 5	< 5	< 0.5	< 5	< 0.5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 0.5
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	< 2	< 2	< 0.5	< 2	< 0.5	< 2	< 0.5	< 2	< 2	< 0.5	< 2	< 0.5
Xylenes (total)	10000	< 5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 5	< 1	< 5	< 1

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Dickert Property								Folk Property			
Sample ID		**MW-18**			**MW-28**		**MW-29**		**TMW 117**	**MW-26**		**MW-27**	
Laboratory ID	USEPA	QH06108-006	SF22082-001	XB22075-010	TD03064-002	XB24099-001	TD03064-001	XB22075-009	SF12045-001 **(21 - 25 ft)**	TD03064-003	XB24099-004	TD03064-004	XB24099-003
Date Collected	MCL	08/06/15	06/20/17	02/22/22	04/03/18	02/22/22	04/03/18	02/22/22	06/12/17	04/03/18	02/23/22	04/03/18	02/23/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)													
Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)													
Alkalinity	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)													
Chloride	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)													
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)													
Ethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)													
TOC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microbial													
Dehalococcoides	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Chapman Property			Boazman Property				Ringer Property		
Sample ID		MW-19			MW-20			MW-20-PDB	MW-21		
Laboratory ID	USEPA	QH11036-007	SF13096-003	XB24099-006	QH11036-009	SF20036-009	XC08059-002	XC08059-001	QH11036-008	SF16059-006	XB24099-009
Date Collected	MCL	08/11/15	06/13/17	02/23/22	08/11/15	06/20/17	03/07/22	03/07/22	08/11/15	06/15/17	02/23/22
Volatile Organic Compounds by USEPA Method 8260B (µg/L)											
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 1	< 5	< 5	< 1	< 1	< 5	< 5	< 1
1,1,2-Trichloroethane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,1,2-Trichlorotrifluoroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,1-Dichloroethene	7	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,2-Dichlorobenzene	600	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,2-Dichloroethane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,2-Dichloropropane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,3-Dichlorobenzene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	NS	< 20	< 20	< 10	< 20	< 20	**4.8 J/J/C**	**30**	< 20	< 20	< 10
Benzene	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Bromobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	80 [1]	< 5	< 5	< 0.5	**0.46 J//**	< 5	< 0.5	< 0.5	**0.4 J//**	< 5	< 0.5
Bromoform	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Carbon disulfide	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Carbon tetrachloride	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Chlorobenzene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Chloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Chloroform	80 [1]	**6.8**	< 5	< 0.5	**7.1**	**0.46 J//**	< 0.5	< 0.5	**4.5 J//**	< 5	< 0.5
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
cis-1,2-Dichloroethene	70	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
cis-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Cyclohexane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Dibromochloromethane	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Dibromomethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Diisopropyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	700	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
m&p-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	NS	< 5	< 5	< 1	< 5	< 5	< 1	< 1	< 5	< 5	< 1
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Methylcyclohexane	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Naphthalene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Tetrachloroethene	5	< 5	< 5	< 0.5	**0.64 J//**	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Toluene	1000	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
trans-1,2-Dichloroethene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
trans-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Trichloroethene (TCE)	5	< 5	< 5	< 0.5	**110**	**3.9 J//**	< 0.5	< 0.5	< 5	< 5	< 0.5
Trichlorofluoromethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 0.5	< 2	< 2	< 0.5
Xylenes (total)	10000	< 5	< 5	< 1	< 5	< 5	< 1	< 1	< 5	< 5	< 1

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Chapman Property			**Boazman Property**				**Ringer Property**		
Sample ID		**MW-19**			**MW-20**			**MW-20-PDB**	**MW-21**		
Laboratory ID	USEPA	QH11036-007	SF13096-003	XB24099-006	QH11036-009	SF20036-009	XC08059-002	XC08059-001	QH11036-008	SF16059-006	XB24099-009
Date Collected	MCL	08/11/15	06/13/17	02/23/22	08/11/15	06/20/17	03/07/22	03/07/22	08/11/15	06/15/17	02/23/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)											
Iron	0.3 [2]	NA	NA	NA	NA	**0.57**	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	**0.02**	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	**0.016**	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	**0.16**	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	**0.42**	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)											
Alkalinity	NS	NA	NA	NA	NA	**9.4 J//**	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)											
Chloride	250 [2]	NA	NA	NA	NA	**5.1**	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	**0.57 J//**	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)											
Sulfide	NS	NA	NA	NA	NA	< 1	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)											
Ethane	NS	NA	NA	NA	NA	**0.009 Jn**	NA	NA	NA	NA	NA
Methane	NS	NA	NA	NA	NA	**0.99 n**	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	**66000**	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	NA	NA	**0.017 Jn**	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)											
TOC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microbial											
Dehalococcoides	NS	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	<4.5	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Shealy Property												
Sample ID		**MW-23**			**MW-24**			**MW-25**						**MW-25-PDB**
Laboratory ID	USEPA	RA13091-003	SF13096-001	XB22002-003	RA13091-002	SF13096-004	XB22002-004	RB26034-001	SF13096-011	SF13096-013 **(DUP)**	XC02133-007	XC02133-011 (Dup)	XC02133-008
Date Collected	MCL	01/13/16	06/13/17	02/21/22	01/13/16	06/13/17	02/21/22	2/26/2016	06/13/17	06/13/17	03/02/22	03/02/22	03/02/22
Volatile Organic Compounds by USEPA Method 8260B (µg/L)													
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 1	< 5	< 5	< 1	< 5	< 5	< 5	< 1	< 1	< 1
1,1,2-Trichloroethane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,1,2-Trichlorotrifluoroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	7	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,2-Dichlorobenzene	600	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,2-Dichloroethane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,2-Dichloropropane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,3-Dichlorobenzene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	< 5	< 5	< 0.5	< 5	< 5	**1.6**	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	NS	< 20	**2.3 J//**	< 10	< 20	< 20	< 10	< 20	< 20	< 20	< 10	< 10	**7.4 J//**
Benzene	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Bromobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Bromoform	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Carbon disulfide	NS	**1.1 J//**	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Chlorobenzene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Chloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Chloroform	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	**4 J//**	< 5	< 5	< 0.5	< 0.5	< 0.5
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
cis-1,2-Dichloroethene	70	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
cis-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Cyclohexane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Dibromomethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Diisopropyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	700	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
m&p-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	NS	< 5	< 5	< 1	< 5	< 5	< 1	< 5	< 5	< 5	< 1	< 1	< 1
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Methylcyclohexane	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Naphthalene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Toluene	1000	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
trans-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Trichloroethene (TCE)	5	**1 J//**	< 5	< 0.5	< 5	**0.65 J//**	< 0.5	**0.9 J//**	**2.2 J//**	**1.9 J//**	**4.2**	**4.7**	**3.1**
Trichlorofluoromethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 0.5
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 0.5	< 0.5
Xylenes (total)	10000	< 5	< 5	< 1	< 5	< 5	< 1	< 5	< 5	< 5	< 1	< 1	< 1

Table F-1
Shallow Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Shealy Property											
Sample ID		**MW-23**			**MW-24**			**MW-25**					**MW-25-PDB**
Laboratory ID	USEPA	RA13091-003	SF13096-001	XB22002-003	RA13091-002	SF13096-004	XB22002-004	RB26034-001	SF13096-011	SF13096-013 **(DUP)**	XC02133-007	XC02133-011 (Dup)	XC02133-008
Date Collected	MCL	01/13/16	06/13/17	02/21/22	01/13/16	06/13/17	02/21/22	2/26/2016	06/13/17	06/13/17	03/02/22	03/02/22	03/02/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)													
Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)													
Alkalinity	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)													
Chloride	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)													
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)													
Ethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)													
TOC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microbial													
Dehalococcoides	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.

Table F-2
Intermediate Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Facility												
Sample ID		MW-2I			MW-2i-PDB	MW-3I				MW-5I			MW-5i-PDB	MW-5I-PDB
Laboratory ID	USEPA	QH27050-001	SF22082-006	XC04096-012	XC04096-011	QH13026-002	SF16059-008	XB24099-005	XB24099-012 (Dup)	QH27050-004	SF22082-004	XC03052-006	XC03052-005	92706733007
Date Collected	MCL	08/26/15	06/21/17	03/04/22	03/04/22	08/12/15	06/15/17	02/23/22	02/23/22	08/27/15	06/21/17	03/03/22	03/03/22	01/02/24
Volatile Organic Compounds by USEPA Method 8260B (µg/L)														
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6
1,1,1-Trichloroethane	200	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.7
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 1	< 1	< 5	< 5	< 1	< 1	< 5	< 25	< 5	< 5	NA
1,1,2-Trichloroethane	5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.6
1,1-Dichloroethane	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.8
1,1-Dichloroethene	7	< 5	< 5	< 0.5	< 0.5	< 5	**0.6 J//**	< 0.5	**0.41 J//**	< 5	< 25	< 2.5	< 2.5	< 1.7
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.1
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.3
1,2,4-Trichlorobenzene	70	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 3.2
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.7
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	NA
1,2-Dichlorobenzene	600	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.7
1,2-Dichloroethane	5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	**1.1 J//**	< 25	**4.2**	**4.5**	**2.8 J**
1,2-Dichloropropane	5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.8
1,3-Dichlorobenzene	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.7
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.4
1,4-Dichlorobenzene	75	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.7
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.9
2-Butanone (MEK)	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 19.8
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6
2-Hexanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 2.4
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.6
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 13.6
Acetone	NS	< 20	< 20	< 10	**21**	**2.4 J//**	**2.1 J/B/T**	< 10	< 10	**2.1 J//**	< 100	< 50	< 50	**1160**
Benzene	5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.7
Bromobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.4
Bromochloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.3
Bromodichloromethane	80 [1]	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.5
Bromoform	80 [1]	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.7
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 8.3
Carbon disulfide	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	NA
Carbon tetrachloride	5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.7
Chlorobenzene	100	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.4
Chloroethane	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 3.2
Chloroform	80 [1]	**0.75 J/B/K**	< 5	< 0.5	< 0.5	**2.2 J//**	< 5	< 0.5	< 0.5	**2.9 J//**	< 25	< 2.5	< 2.5	< 2.2
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 2.7
cis-1,2-Dichloroethene	70	< 5	< 5	< 0.5	< 0.5	**2.3 J//**	**11**	**33**	**35**	**0.92 J//**	**5.1 J//**	**2.2 J//**	< 2.5	< 1.9
cis-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.8
Cyclohexane	NS	< 5	< 5	< 0.5	**0.81**	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	NA
Dibromochloromethane	80 [1]	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.8
Dibromomethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2
Dichlorodifluoromethane	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.7
Diisopropyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5
Ethylbenzene	700	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 7.6
Isopropylbenzene	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	NA
m&p-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.5
Methyl acetate	NS	< 5	< 5	< 1	< 1	< 5	< 5	< 1	< 1	< 5	< 25	< 5	< 5	NA
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 2.1
Methylcyclohexane	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	NA
Methylene chloride	5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 9.8
Naphthalene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.2
o-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.7
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.1
Styrene	100	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.5
Tetrachloroethene	5	< 5	< 5	< 0.5	< 0.5	**0.25 J//**	**0.8 J//**	**0.41 J//**	**0.49 J//**	< 5	< 25	< 2.5	< 2.5	< 1.5
Toluene	1000	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 2.4
trans-1,2-Dichloroethene	100	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 2
trans-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.8
Trichloroethene (TCE)	5	**17**	**24**	**41**	**18**	**4.8 J//**	**8**	**12**	**13**	**430**	**200**	**610**	**550**	**296**
Trichlorofluoromethane	NS	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 5	< 25	< 2.5	< 2.5	< 1.5
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 6.6
Vinyl chloride	2	< 2	< 2	< 0.5	< 0.5	< 2	< 2	< 0.5	< 0.5	< 2	< 10	< 2.5	< 2.5	< 1.9
Xylenes (total)	10000	< 5	< 5	< 1	< 1	< 5	< 5	< 1	< 1	< 5	< 25	< 5	< 5	< 1.7

Table F-2
Intermediate Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Facility												
Sample ID		MW-2I			MW-2i-PDB	MW-3I				MW-5I			MW-5i-PDB	MW-5I-PDB
Laboratory ID	USEPA	QH27050-001	SF22082-006	XC04096-012	XC04096-011	QH13026-002	SF16059-008	XB24099-005	XB24099-012 (Dup)	QH27050-004	SF22082-004	XC03052-006	XC03052-005	92706733007
Date Collected	MCL	08/26/15	06/21/17	03/04/22	03/04/22	08/12/15	06/15/17	02/23/22	02/23/22	08/27/15	06/21/17	03/03/22	03/03/22	01/02/24
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)														
Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.055**	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.046 J//**	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.052**	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.05	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)														
Alkalinity	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**30**	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)														
Chloride	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**32**	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.1**	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.3 J//**	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)														
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)														
Ethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA
Methane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.5 BJ//**	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 10	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)														
TOC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
Microbial														
Dehalococcoides	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1110**	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.5	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.2 J**	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6790**	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1610**	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1 J**	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**138**	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**16.1**	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1200**	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9**	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**238**	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**103000**	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.8	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.
* Vertical profile sampling interval

Table F-2
Intermediate Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Facility														
Sample ID		MW-6I			MW-6I-PDB	MW-7I			MW-7i-PDB	MW-7I-PDB	MW-9I				MW-9I-PDB
Laboratory ID	USEPA	QH27050-003	SF16059-003	XB24099-013	92706733010	QH27050-005	SF20036-004	XC03052-002	XC03052-001	92706733009	QH27050-002	SF20036-012	SF20036-013 (Dup)	XB24099-016	92706733020
Date Collected	MCL	08/26/15	06/15/17	02/24/22	01/02/24	08/27/15	06/19/17	03/03/22	03/03/22	01/02/24	08/26/15	06/20/17	06/20/17	02/24/22	01/03/24
Volatile Organic Compounds by USEPA Method 8260B (µg/L)															
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	< 0.62	NA	NA	NA	NA	< 0.62	NA	NA	NA	NA	< 1.6
1,1,1-Trichloroethane	200	< 5	< 5	< 0.5	< 0.66	< 25	< 5	< 2.5	< 2.5	< 0.66	< 25	< 5	< 5	< 5	< 1.7
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 0.5	< 0.45	< 25	< 5	< 2.5	< 2.5	< 0.45	< 25	< 5	< 5	< 5	< 1.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 1	NA	< 25	< 5	< 5	< 5	NA	< 25	< 5	< 5	< 10	NA
1,1,2-Trichloroethane	5	< 5	< 5	< 0.5	< 0.65	< 25	< 5	< 2.5	< 2.5	< 0.65	< 25	< 5	< 5	< 5	< 1.6
1,1-Dichloroethane	NS	< 5	< 5	< 0.5	< 0.73	**1.7 J//**	**2.4 J//**	< 2.5	< 2.5	**2.1**	< 25	< 5	< 5	< 5	< 1.8
1,1-Dichloroethene	7	< 5	< 5	< 0.5	< 0.7	**3.8 J//**	**5.2**	**3.8**	**4.2**	**3.7**	< 25	< 5	< 5	< 5	< 1.7
1,1-Dichloropropene	NS	NA	NA	NA	< 0.85	NA	NA	NA	NA	< 0.85	NA	NA	NA	NA	< 2.1
1,2,3-Trichlorobenzene	NS	NA	NA	NA	< 1.6	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	< 4
1,2,3-Trichloropropane	NS	NA	NA	NA	< 0.52	NA	NA	NA	NA	< 0.52	NA	NA	NA	NA	< 1.3
1,2,4-Trichlorobenzene	70	< 5	< 5	< 0.5	< 1.3	< 25	< 5	< 2.5	< 2.5	< 1.3	< 25	< 5	< 5	< 5	< 3.2
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 0.5	< 0.68	< 25	< 5	< 2.5	< 2.5	< 0.68	< 25	< 5	< 5	< 5	< 1.7
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 0.5	NA	< 25	< 5	< 2.5	< 2.5	NA	< 25	< 5	< 5	< 5	NA
1,2-Dichlorobenzene	600	< 5	< 5	< 0.5	< 0.68	< 25	< 5	< 2.5	< 2.5	< 0.68	< 25	< 5	< 5	< 5	< 1.7
1,2-Dichloroethane	5	< 5	< 5	< 0.5	< 0.64	< 25	< 5	< 2.5	< 2.5	< 0.64	< 25	< 5	< 5	< 5	< 1.6
1,2-Dichloropropane	5	< 5	< 5	< 0.5	< 0.71	< 25	< 5	< 2.5	< 2.5	< 0.71	< 25	< 5	< 5	< 5	< 1.8
1,3-Dichlorobenzene	NS	< 5	< 5	< 0.5	< 0.68	< 25	< 5	< 2.5	< 2.5	< 0.68	< 25	< 5	< 5	< 5	< 1.7
1,3-Dichloropropane	NS	NA	NA	NA	< 0.57	NA	NA	NA	NA	< 0.57	NA	NA	NA	NA	< 1.4
1,4-Dichlorobenzene	75	< 5	< 5	< 0.5	< 0.67	< 25	< 5	< 2.5	< 2.5	< 0.67	< 25	< 5	< 5	< 5	< 1.7
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	< 0.78	NA	NA	NA	NA	< 0.78	NA	NA	NA	NA	< 1.9
2-Butanone (MEK)	NS	< 10	< 10	< 10	< 7.9	< 50	< 10	< 50	< 50	< 7.9	< 50	< 10	< 10	< 100	< 19.8
2-Chlorotoluene	NS	NA	NA	NA	< 0.64	NA	NA	NA	NA	< 0.64	NA	NA	NA	NA	< 1.6
2-Hexanone	NS	< 10	< 10	< 10	< 0.95	< 50	< 10	< 50	< 50	< 0.95	< 50	< 10	< 10	< 100	< 2.4
4-Chlorotoluene	NS	NA	NA	NA	< 0.65	NA	NA	NA	NA	< 0.65	NA	NA	NA	NA	< 1.6
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 5.4	< 50	< 10	< 50	< 50	< 5.4	< 50	< 10	< 10	< 100	< 13.6
Acetone	NS	< 20	< 20	< 10	**387**	< 100	< 20	< 50	< 50	**167**	< 100	< 20	< 20	< 100	**819**
Benzene	5	< 5	< 5	< 0.5	**2.1**	< 25	**0.49 J//**	< 2.5	< 2.5	< 0.69	< 25	< 5	< 5	< 5	< 1.7
Bromobenzene	NS	NA	NA	NA	< 0.58	NA	NA	NA	NA	< 0.58	NA	NA	NA	NA	< 1.4
Bromochloromethane	NS	NA	NA	NA	< 0.94	NA	NA	NA	NA	< 0.94	NA	NA	NA	NA	< 2.3
Bromodichloromethane	80 [1]	< 5	< 5	< 0.5	< 0.61	< 25	< 5	< 2.5	< 2.5	< 0.61	< 25	< 5	< 5	< 5	< 1.5
Bromoform	80 [1]	< 5	< 5	< 0.5	< 0.68	< 25	< 5	< 2.5	< 2.5	< 0.68	< 25	< 5	< 5	< 5	< 1.7
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 0.5	< 3.3	< 25	< 5	< 2.5	< 2.5	< 3.3	< 25	< 5	< 5	< 5	< 8.3
Carbon disulfide	NS	< 5	**0.93 J/B/KT**	< 0.5	NA	< 25	**0.68 BJ/B/K**	< 2.5	< 2.5	NA	< 25	< 5	< 5	< 5	NA
Carbon tetrachloride	5	< 5	< 5	< 0.5	< 0.67	< 25	< 5	< 2.5	< 2.5	< 0.67	< 25	< 5	< 5	< 5	< 1.7
Chlorobenzene	100	< 5	< 5	< 0.5	< 0.57	< 25	< 5	< 2.5	< 2.5	< 0.57	< 25	< 5	< 5	< 5	< 1.4
Chloroethane	NS	< 5	< 5	< 0.5	< 1.3	< 25	< 5	< 2.5	< 2.5	< 1.3	< 25	< 5	< 5	< 5	< 3.2
Chloroform	80 [1]	**0.89 J/B/K**	< 5	< 0.5	< 0.86	**1.6 J//**	< 5	< 2.5	< 2.5	< 0.86	**24 J//**	**3.4 J//**	**2.3 J//**	< 5	< 2.2
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 0.5	< 1.1	< 25	< 5	< 2.5	< 2.5	< 1.1	< 25	< 5	< 5	< 5	< 2.7
cis-1,2-Dichloroethene	70	**2.6 J//**	**5.7**	**0.86**	**16.1**	**61**	**140**	**84**	**100**	**125**	**21 J//**	**31**	**26**	**43**	**48.8**
cis-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 0.73	< 25	< 5	< 2.5	< 2.5	< 0.73	< 25	< 5	< 5	< 5	< 1.8
Cyclohexane	NS	< 5	< 5	< 0.5	NA	< 25	< 5	< 2.5	< 2.5	NA	< 25	< 5	< 5	< 5	NA
Dibromochloromethane	80 [1]	< 5	< 5	< 0.5	< 0.72	< 25	< 5	< 2.5	< 2.5	< 0.72	< 25	< 5	< 5	< 5	< 1.8
Dibromomethane	NS	NA	NA	NA	< 0.79	NA	NA	NA	NA	< 0.79	NA	NA	NA	NA	< 2
Dichlorodifluoromethane	NS	< 5	< 5	< 0.5	< 0.69	< 25	< 5	< 2.5	< 2.5	< 0.69	< 25	< 5	< 5	< 5	< 1.7
Diisopropyl ether	NS	NA	NA	NA	< 0.62	NA	NA	NA	NA	< 0.62	NA	NA	NA	NA	< 1.5
Ethylbenzene	700	< 5	< 5	< 0.5	< 0.61	< 25	< 5	< 2.5	< 2.5	< 0.61	< 25	< 5	< 5	< 5	< 1.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	< 3.1	NA	NA	NA	NA	< 3.1	NA	NA	NA	NA	< 7.6
Isopropylbenzene	NS	< 5	< 5	< 0.5	NA	< 25	**1.1 J//**	< 2.5	< 2.5	NA	< 25	< 5	< 5	< 5	NA
m&p-Xylene	10,000	NA	NA	NA	< 1.4	NA	NA	NA	NA	< 1.4	NA	NA	NA	NA	< 3.5
Methyl acetate	NS	< 5	< 5	< 1	NA	< 25	< 5	< 5	< 5	NA	< 25	< 5	< 5	< 10	NA
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 0.5	< 0.84	< 25	< 5	< 2.5	< 2.5	< 0.84	< 25	< 5	< 5	< 5	< 2.1
Methylcyclohexane	NS	< 5	< 5	< 5	NA	< 25	< 5	< 25	< 25	NA	< 25	< 5	< 5	< 50	NA
Methylene chloride	5	< 5	< 5	< 0.5	< 3.9	< 25	**0.41 J//**	< 2.5	< 2.5	< 3.9	< 25	< 5	< 5	< 5	< 9.8
Naphthalene	NS	NA	NA	NA	< 1.3	NA	NA	NA	NA	< 1.3	NA	NA	NA	NA	< 3.2
o-Xylene	10,000	NA	NA	NA	< 0.68	NA	NA	NA	NA	**1.1 J**	NA	NA	NA	NA	< 1.7
p-Isopropyltoluene	NS	NA	NA	NA	< 0.83	NA	NA	NA	NA	< 0.83	NA	NA	NA	NA	< 2.1
Styrene	100	< 5	**1.5 J//**	< 0.5	< 0.58	< 25	< 5	< 2.5	< 2.5	< 0.58	< 25	< 5	< 5	< 5	< 1.5
Tetrachloroethene	5	**0.29 J//**	< 5	< 0.5	< 0.58	**1.3 J//**	**2.1 J//**	< 2.5	< 2.5	< 0.58	**1.7 J//**	**3.1 J//**	**2.8 J//**	< 5	< 1.5
Toluene	1000	< 5	< 5	< 0.5	< 0.97	< 25	< 5	< 2.5	< 2.5	< 0.97	< 25	< 5	< 5	< 5	< 2.4
trans-1,2-Dichloroethene	100	< 5	< 5	< 0.5	< 0.79	< 25	**1.4 J//**	< 2.5	< 2.5	**1.1 J**	< 25	< 5	< 5	< 5	< 2
trans-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 0.73	< 25	< 5	< 2.5	< 2.5	< 0.73	< 25	< 5	< 5	< 5	< 1.8
Trichloroethene (TCE)	5	**20**	**10**	**15**	**18.2**	**290**	**280**	**300**	**280**	**251**	**380**	**480**	**420**	**850**	**716**
Trichlorofluoromethane	NS	< 5	< 5	< 0.5	< 0.6	< 25	< 5	< 2.5	< 2.5	< 0.6	< 25	< 5	< 5	< 5	< 1.5
Vinyl acetate	NS	NA	NA	NA	< 2.6	NA	NA	NA	NA	< 2.6	NA	NA	NA	NA	< 6.6
Vinyl chloride	2	< 2	< 2	< 0.5	< 0.77	< 10	< 2	< 2.5	< 2.5	< 0.77	< 10	< 2	< 2	< 5	< 1.9
Xylenes (total)	10000	< 5	< 5	< 1	< 0.68	< 25	**1.8 J//**	< 5	< 5	**1.1 J**	< 25	< 5	< 5	< 10	< 1.7

Table F-2
Intermediate Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Facility													
Sample ID		MW-6I			MW-6I-PDB	MW-7I			MW-7i-PDB	MW-7I-PDB	MW-9I				MW-9I-PDB
Laboratory ID	USEPA	QH27050-003	SF16059-003	XB24099-013	92706733010	QH27050-005	SF20036-004	XC03052-002	XC03052-001	92706733009	QH27050-002	SF20036-012	SF20036-013 (Dup)	XB24099-016	92706733020
Date Collected	MCL	08/26/15	06/15/17	02/24/22	01/02/24	08/27/15	06/19/17	03/03/22	03/03/22	01/02/24	08/26/15	06/20/17	06/20/17	02/24/22	01/03/24
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)															
Iron	0.3 [2]	NA	NA	**0.25**	NA	NA	**1.2**	**0.23**	NA	NA	NA	**8.9**	NA	**4.6**	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	**0.2**	**0.11**	NA	NA	NA	**0.15**	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	< 0.1	NA	NA	NA	**0.061 J//**	NA	NA	NA	NA	NA	< 0.1	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	**0.18**	**0.11**	NA	NA	NA	**0.026**	NA	NA	NA
Ferrous Iron	NS	NA	NA	< 0.05	NA	NA	**0.15**	< 0.05	NA	NA	NA	**0.56**	NA	**2.7**	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	**1.1**	NA	NA	NA	NA	**8.4**	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)															
Alkalinity	NS	NA	NA	25	NA	NA	**23**	**23**	NA	NA	NA	**81**	NA	28	NA
Chloride, Nitrate, and Sulfate by USEPA Method 300.0 (mg/L															
Chloride	250 [2]	NA	NA	NA	NA	NA	**2.8**	**5.7**	NA	NA	NA	**3**	NA	NA	NA
Nitrate	10	NA	NA	**0.2 B//**	NA	NA	NA	**0.28**	NA	NA	NA	NA	NA	**0.9 B//**	NA
Nitrite	1	NA	NA	< 0.02	NA	NA	NA	**0.013 J//**	NA	NA	NA	NA	NA	< 0.02	NA
Sulfate	250 [2]	NA	NA	< 1	NA	NA	< 1	**1**	NA	NA	NA	**5**	NA	**1.8**	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)															
Sulfide	NS	NA	NA	NA	NA	NA	< 1	NA	NA	NA	NA	< 1	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)															
Ethane	NS	NA	NA	< 10	NA	NA	**0.018 Jn**	< 10	NA	NA	NA	**0.23 n**	NA	< 10	NA
Methane	NS	NA	NA	**4.7 J//**	NA	NA	**100 n**	**80 B//**	NA	NA	NA	**4 n**	NA	**2.9 J//**	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	**180000**	NA	NA	NA	NA	**26000 n**	NA	NA	NA
Ethene	NS	NA	NA	< 10	NA	NA	**0.47 n**	< 10	NA	NA	NA	**0.49 n**	NA	< 10	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)															
TOC	NS	NA	NA	**2.5**	NA	NA	NA	< 1	NA	NA	NA	NA	NA	< 1	NA
Microbial															
Dehalococcoides	NS	NA	NA	**0.2**	NA	NA	<0.5	**3.7**	NA	NA	NA	< 11.1	NA	< 2.4	NA
Dehalobacter spp	NS	NA	NA	**5250**	NA	NA	<4.6	< 4.5	NA	NA	NA	<11.1	NA	< 23.8	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	< 0.5	NA	NA	< 0.5	< 0.5	NA	NA	NA	< 11.1	NA	< 2.4	NA
tceA Reductase	NS	NA	NA	< 0.5	NA	NA	< 0.5	< 0.5	NA	NA	NA	< 11.1	NA	< 2.4	NA
Vinyl chloride Reductase	NS	NA	NA	< 0.5	NA	NA	< 0.5	0.1 J	NA	NA	NA	< 11.1	NA	< 2.4	NA
1,1 DCA Reductase	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
1,2 DCA Reductase	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
cerA Reductase	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Chloroform Reductase	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Dehalobacter DCM	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Dehalobium chlorocoercia	NS	NA	NA	**833**	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Dehalogenimonas spp	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Desulfitobacterium spp	NS	NA	NA	**6410**	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Desulfuromonas spp	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Dichloromethane Dehalogenase	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Epoxyalkane Transferase	NS	NA	NA	**436**	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Ethene Monooxygenase	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Methanogens	NS	NA	NA	**87.3**	NA	NA	NA	**0.8 J**	NA	NA	NA	NA	NA	< 23.8	NA
PCE Reductase 1	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
PCE Reductase 2	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Phenol Hydroxylase	NS	NA	NA	**150**	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Soluble Methane Monooxygenase	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Sulfate Reducing Bacteria	NS	NA	NA	**1790**	NA	NA	NA	**489**	NA	NA	NA	NA	NA	< 23.8	NA
Toluene Dioxygenase	NS	NA	NA	**22.4**	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Toluene Monooxygenase	NS	NA	NA	**5.4**	NA	NA	NA	**179**	NA	NA	NA	NA	NA	< 23.8	NA
Toluene Monooxygenase 2	NS	NA	NA	**238**	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Total Eubacteria	NS	NA	NA	**60700**	NA	NA	NA	**24600**	NA	NA	NA	NA	NA	**38 I**	NA
trans-1,2-DCE Reductase	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	< 4.8	NA	NA	NA	< 4.5	NA	NA	NA	NA	NA	< 23.8	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.
* Vertical profile sampling interval

Table F-2
Intermediate Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Dickert Property										Chapman Property		
Sample ID		MW-10I					MW-10I-PDB	MW-12I		MW-17D	TMW 118	MW-19I		
Laboratory ID	USEPA	QI08038-002	SF20036-010	XC08061-002	XG20043-003	XL19029-003	92706733017	SF22082-011	XB22075-006	SG11048-001 **(38-44 ft)***	SF12045-002 (30 - 34 ft)*	SF06080-001 (19 - 23 ft)*	SF23023-001	XB24099-010
Date Collected	MCL	09/08/15	06/20/17	03/08/22	07/19/22	12/19/22	01/03/24	06/22/17	02/22/22	07/11/17	06/12/17	06/06/17	06/23/17	02/23/22
Volatile Organic Compounds by USEPA Method 8260B (µg/L)														
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	< 1.2	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.3	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,1,2,2-Tetrachloroethane	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	< 0.9	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 25	< 25	< 5	< 1	< 1	NA	< 5	< 1	< 5	< 5	< 5	< 5	< 1
1,1,2-Trichloroethane	5	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.3	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,1-Dichloroethane	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,1-Dichloroethene	7	< 25	< 25	< 2.5	**1.4**	**1.3**	< 1.4	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	< 1.7	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	< 3.2	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 25	< 25	< 2.5	< 0.5	< 0.5	< 2.6	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.4	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,2-Dibromoethane (EDB)	0.05	< 25	< 25	< 2.5	< 0.5	< 0.5	NA	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,2-Dichlorobenzene	600	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.4	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,2-Dichloroethane	5	< 25	< 25	< 2.5	**1.1**	**1.1**	< 1.3	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,2-Dichloropropane	5	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.4	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,3-Dichlorobenzene	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.4	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.3	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	NS	< 50	< 50	< 50	< 10	< 10	< 15.8	< 10	< 10	**2.5 J//**	< 10	< 10	< 10	< 10
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	< 1.3	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NS	< 50	< 50	< 50	< 10	< 10	< 1.9	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	< 1.3	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	< 50	< 50	< 50	< 10	< 10	< 10.8	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	NS	< 100	< 100	< 50	< 10	< 10	< 20.4	< 20	< 10	**78**	**12 J//**	**6.5 J//**	**43**	< 10
Benzene	5	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.4	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Bromobenzene	NS	NA	NA	NA	NA	NA	< 1.2	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NS	NA	NA	NA	NA	NA	< 1.9	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	80 [1]	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.2	< 5	< 0.5	**7.9**	< 5	< 5	< 5	< 0.5
Bromoform	80 [1]	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.4	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Bromomethane (Methyl bromide)	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	< 6.6	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Carbon disulfide	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	NA	< 5	< 0.5	**0.91 J/B/K**	< 5	< 5	< 5	< 0.5
Carbon tetrachloride	5	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.3	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Chlorobenzene	100	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.1	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Chloroethane	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	< 2.6	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Chloroform	80 [1]	**2.4 J//**	< 25	< 2.5	< 0.5	< 0.5	< 1.7	< 5	< 0.5	**42**	< 5	< 5	< 5	< 0.5
Chloromethane (Methyl chloride)	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	< 2.2	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
cis-1,2-Dichloroethene	70	**2.1 J//**	< 25	**690**	**570**	**550 H//h**	**164**	**2.6 J//**	**1.2**	< 5	< 5	< 5	< 5	< 0.5
cis-1,3-Dichloropropene	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Cyclohexane	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	NA	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Dibromochloromethane	80 [1]	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.4	< 5	< 0.5	**1.7 J//**	< 5	< 5	< 5	< 0.5
Dibromomethane	NS	NA	NA	NA	NA	NA	< 1.6	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.4	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Diisopropyl ether	NS	NA	NA	NA	NA	NA	< 1.2	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	700	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.2	< 5	< 0.5	**1.6 J//**	< 5	< 5	< 5	< 0.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	< 6.1	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	NA	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
m&p-Xylene	10,000	NA	NA	NA	NA	NA	< 2.8	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	NS	< 25	< 25	< 5	< 1	< 1	NA	< 5	< 1	< 5	< 5	< 5	< 5	< 1
Methyl tertiary butyl ether (MTBE)	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.7	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Methylcyclohexane	NS	< 25	< 25	< 25	< 5	< 5	NA	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	5	< 25	< 25	< 2.5	**0.45 J**	< 0.5	< 7.8	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Naphthalene	NS	NA	NA	NA	NA	NA	< 2.6	NA	NA	NA	NA	NA	NA	NA
o-Xylene	10,000	NA	NA	NA	NA	NA	< 1.4	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	< 1.7	NA	NA	NA	NA	NA	NA	NA
Styrene	100	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.2	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Tetrachloroethene	5	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.2	< 5	< 0.5	< 5	< 5	< 5	**1.1 J//**	< 0.5
Toluene	1000	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.9	< 5	< 0.5	< 5	< 5	< 5	**0.54 J//**	< 0.5
trans-1,2-Dichloroethene	100	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.6	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
trans-1,3-Dichloropropene	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Trichloroethene (TCE)	5	**890**	**1000**	**50**	**57**	**55**	**617**	**1.2 J//**	**0.5**	< 5	< 5	< 5	< 5	< 0.5
Trichlorofluoromethane	NS	< 25	< 25	< 2.5	< 0.5	< 0.5	< 1.2	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Vinyl acetate	NS	NA	NA	NA	NA	NA	< 5.2	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	< 10	< 10	< 2.5	**0.49 J**	< 0.5	< 1.5	< 2	< 0.5	< 2	< 2	< 2	**0.4 J//**	< 0.5
Xylenes (total)	10000	< 25	< 25	< 5	< 1	< 1	< 1.4	< 5	< 1	< 5	< 5	< 5	< 5	< 1

Table F-2
Intermediate Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Dickert Property										Chapman Property		
Sample ID		MW-10I					MW-10I-PDB	MW-12I		MW-17D	TMW 118	MW-19I		
Laboratory ID	USEPA	QI08038-002	SF20036-010	XC08061-002	XG20043-003	XL19029-003	92706733017	SF22082-011	XB22075-006	SG11048-001	SF12045-002	SF06080-001	SF23023-001	XB24099-010
										(38-44 ft)*	(30 - 34 ft)*	(19 - 23 ft)*		
Date Collected	MCL	09/08/15	06/20/17	03/08/22	07/19/22	12/19/22	01/03/24	06/22/17	02/22/22	07/11/17	06/12/17	06/06/17	06/23/17	02/23/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)														
Iron	0.3 [2]	NA	**0.21**	**12**	**15**	**12**	**2.03**	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	**0.011** J//	**0.98**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	**11**	**12**	**12**	**0.141**	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	**0.0086** J//	**1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	**0.042** J//	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	**0.17**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)														
Alkalinity	NS	NA	**22**	NA	**39**	**41**	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)														
Chloride	250 [2]	NA	**6**	**8.2**	**8.7**	**8.4**	**NA**	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	< 0.02	**0.07**	**0.078**	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	< 0.02	**0.025**	< 0.02	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)														
Sulfide	NS	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)														
Ethane	NS	NA	**0.046 Jn**	< 10	< 10	< 10	< 5.9	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	**0.88 n**	**1400**	**1700**	**1500** B//	**257**	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	**70000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	**0.038 Jn**	< 10	< 10	< 10	< 5.7	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)														
TOC	NS	NA	NA	**16**	**10** H	**3.7**	**< 1**	NA	NA	NA	NA	NA	NA	NA
Microbial														
Dehalococcoides	NS	NA	< 0.5	NA	NA	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	<4.6	NA	NA	**1240**	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	<0.5	NA	NA	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	<0.5	NA	NA	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	<0.5	NA	NA	< 0.7	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.
* Vertical profile sampling interval

Table F-2
Intermediate Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Boazman Property						Ringer Property			Shealy Property		
Sample ID		MW-20I				MW-20i-PDB	MW-20I-PDB	MW-21I			MW24I		
Laboratory ID	USEPA	QH13026-003	QH13026-004	SF20036-011	XC04096-008	XC04096-007	92706733021	QH13026-001	SF16059-007	XB24099-008	RC03069-001	SF13096-002	XB22002-002
Date Collected	MCL	08/13/15	08/13/15	06/20/17	03/04/22	03/04/22	01/03/24	08/12/15	06/15/17	02/23/22	3/3/2016	06/13/17	02/21/22
Volatile Organic Compounds by USEPA Method 8260B (µg/L)													
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	< 25	< 25	< 5	< 0.5	< 0.5	< 0.33	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,1,2,2-Tetrachloroethane	NS	< 25	< 25	< 5	< 0.5	< 0.5	< 0.22	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 25	< 25	< 5	< 1	< 1	NA	< 5	< 5	< 1	< 5	< 5	< 1
1,1,2-Trichloroethane	5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.32	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,1-Dichloroethane	NS	< 25	< 25	< 5	< 0.5	< 0.5	< 0.37	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,1-Dichloroethene	7	< 25	< 25	< 5	< 0.5	< 0.5	< 0.35	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	< 0.43	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	< 0.81	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	< 0.26	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 25	< 25	< 5	< 0.5	< 0.5	< 0.64	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 25	< 25	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,2-Dibromoethane (EDB)	0.05	< 25	< 25	< 5	< 0.5	< 0.5	NA	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,2-Dichlorobenzene	600	< 25	< 25	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,2-Dichloroethane	5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.32	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,2-Dichloropropane	5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.36	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,3-Dichlorobenzene	NS	< 25	< 25	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	< 0.28	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	< 25	< 25	< 5	< 0.5	< 0.5	< 0.33	< 5	< 5	< 0.5	< 5	< 5	< 0.5
1,4-Dioxane (p-Dioxane)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	NS	< 50	< 50	< 10	< 10	< 10	< 4	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	< 0.32	NA	NA	NA	NA	NA	NA
2-Hexanone	NS	< 50	< 50	< 10	< 10	< 10	< 0.48	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	< 0.32	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	< 50	< 50	< 10	< 10	< 10	< 2.7	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	NS	< 100	< 100	**2.1 J//**	< 10	**5.5 J//**	**276**	**4.9 J//**	< 20	< 10	< 20	**2.3 J//**	< 10
Benzene	5	< 25	< 25	< 5	< 0.5	< 0.5	**0.53 J**	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Bromobenzene	NS	NA	NA	NA	NA	NA	< 0.29	NA	NA	NA	NA	NA	NA
Bromochloromethane	NS	NA	NA	NA	NA	NA	< 0.47	NA	NA	NA	NA	NA	NA
Bromodichloromethane	80 [1]	< 25	< 25	< 5	< 0.5	< 0.5	< 0.31	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Bromoform	80 [1]	< 25	< 25	< 5	< 0.5	< 0.5	< 0.34	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Bromomethane (Methyl bromide)	NS	< 25	< 25	< 5	< 0.5	< 0.5	< 1.7	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Carbon disulfide	NS	< 25	< 25	< 5	< 0.5	< 0.5	NA	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Carbon tetrachloride	5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.33	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Chlorobenzene	100	< 25	< 25	< 5	< 0.5	< 0.5	< 0.28	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Chloroethane	NS	< 25	< 25	< 5	< 0.5	< 0.5	< 0.65	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Chloroform	80 [1]	**2.4 J//**	**2.7 J//**	**0.48 J//**	< 0.5	< 0.5	< 0.43	**1.6 J//**	< 5	< 0.5	**2.1 J//**	**0.41 J//**	< 0.5
Chloromethane (Methyl chloride)	NS	< 25	< 25	< 5	< 0.5	< 0.5	< 0.54	< 5	< 5	< 0.5	< 5	< 5	< 0.5
cis-1,2-Dichloroethene	70	**6.2 J//**	**5.9 J//**	**4.5 J//**	< 0.5	< 0.5	**0.49 J**	< 5	< 5	< 0.5	< 5	< 5	< 0.5
cis-1,3-Dichloropropene	NS	< 25	< 25	< 5	< 0.5	< 0.5	< 0.36	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Cyclohexane	NS	< 25	< 25	< 5	< 0.5	< 0.5	NA	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Dibromochloromethane	80 [1]	< 25	< 25	< 5	< 0.5	< 0.5	< 0.36	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Dibromomethane	NS	NA	NA	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NS	< 25	< 25	< 5	< 0.5	< 0.5	< 0.35	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Diisopropyl ether	NS	NA	NA	NA	NA	NA	< 0.31	NA	NA	NA	NA	NA	NA
Ethylbenzene	700	< 25	< 25	< 5	< 0.5	< 0.5	< 0.3	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	< 1.5	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NS	< 25	< 25	< 5	< 0.5	< 0.5	NA	< 5	< 5	< 0.5	< 5	< 5	< 0.5
m&p-Xylene	10,000	NA	NA	NA	NA	NA	< 0.71	NA	NA	NA	NA	NA	NA
Methyl acetate	NS	< 25	< 25	< 5	< 1	< 1	NA	< 5	< 5	< 1	< 5	< 5	< 1
Methyl tertiary butyl ether (MTBE)	NS	< 25	< 25	< 5	< 0.5	< 0.5	< 0.42	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Methylcyclohexane	NS	< 25	< 25	< 5	< 5	< 5	NA	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	5	< 25	< 25	< 5	< 0.5	< 0.5	< 2	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Naphthalene	NS	NA	NA	NA	NA	NA	< 0.64	NA	NA	NA	NA	NA	NA
o-Xylene	10,000	NA	NA	NA	NA	NA	< 0.34	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	< 0.41	NA	NA	NA	NA	NA	NA
Styrene	100	< 25	< 25	< 5	< 0.5	< 0.5	< 0.29	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Tetrachloroethene	5	**2.4 J//**	**2.5 J//**	**2.2 J//**	< 0.5	< 0.5	< 0.29	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Toluene	1000	< 25	< 25	< 5	< 0.5	< 0.5	< 0.48	< 5	< 5	< 0.5	< 5	< 5	< 0.5
trans-1,2-Dichloroethene	100	< 25	< 25	< 5	< 0.5	< 0.5	< 0.4	< 5	< 5	< 0.5	< 5	< 5	< 0.5
trans-1,3-Dichloropropene	NS	< 25	< 25	< 5	< 0.5	< 0.5	< 0.36	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Trichloroethene (TCE)	5	**460**	**460**	**330**	**33**	**40**	**22.8**	< 5	< 5	< 0.5	**1.8 J//**	< 5	< 0.5
Trichlorofluoromethane	NS	< 25	< 25	< 5	< 0.5	< 0.5	< 0.3	< 5	< 5	< 0.5	< 5	< 5	< 0.5
Vinyl acetate	NS	NA	NA	NA	NA	NA	< 1.3	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	< 10	< 10	< 2	< 0.5	< 0.5	< 0.39	< 2	< 2	< 0.5	< 2	< 2	< 0.5
Xylenes (total)	10000	< 25	< 25	< 5	< 1	< 1	< 0.34	< 5	< 5	< 1	< 5	< 5	< 1

Table F-2
Intermediate Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Boazman Property						**Ringer Property**			**Shealy Property**		
Sample ID		**MW-20I**				**MW-20i-PDB**	**MW-20I-PDB**	**MW-21I**			**MW24I**		
Laboratory ID	USEPA	QH13026-003	QH13026-004	SF20036-011	XC04096-008	XC04096-007	92706733021	QH13026-001	SF16059-007	XB24099-008	RC03069-001	SF13096-002	XB22002-002
Date Collected	MCL	08/13/15	08/13/15	06/20/17	03/04/22	03/04/22	01/03/24	08/12/15	06/15/17	02/23/22	3/3/2016	06/13/17	02/21/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)													
Iron	0.3 [2]	NA	NA	**0.35**	**5.4**	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	NA	**0.025**	**0.1**	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	**0.06 J//**	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	**0.017**	**0.006 J//**	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	**0.052**	**0.057**	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	**0.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)													
Alkalinity	NS	NA	NA	**22**	< 20	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)													
Chloride	250 [2]	NA	NA	**4.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	**0.4 B//**	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	NA	< 0.02	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	NA	**0.59 J//**	**1.4**	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)													
Sulfide	NS	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)													
Ethane	NS	NA	NA	0.04 Jn	< 10	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	NA	0.45 Jn	< 10	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	NA	70000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	0.017 Jn	< 10	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)													
TOC	NS	NA	NA	NA	< 1	NA	NA	NA	NA	NA	NA	NA	NA
Microbial													
Dehalococcoides	NS	NA	NA	< 0.5	**2.1**	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	<4.6	**60.1**	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	<0.5	**0.1 J**	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	<0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	<0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	**11900**	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	**5**	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	**5060**	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	**2340**	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	**0.4 J**	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	**3150**	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	**132**	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	**1850**	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	**6**	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	**2450**	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	**5E+05**	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	< 4.9	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.
* Vertical profile sampling interval

Table F-3
Bedrock Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Facility																					
Sample ID		MW-2D					MW-3D						MW-6D					MW-6D-PDB	
Laboratory ID	USEPA	PH28036-004	QH04060-001	SF22082-013	SF22082-014 Duplicate	XB25085-005	PH28036-001	QH06108-002	QH06108-003	SF22082-002	SF22082-003 (Dup)	XB25085-002	PH28036-003	QH06108-004	SF20036-003	XC04096-009	XC04096-010 (Dup)	92706733011	
Date Collected	MCL	08/28/14	08/03/15	06/22/17	06/22/17	02/25/22	08/28/14	08/06/15	08/06/15	06/21/17	06/21/17	02/25/22	08/28/14	08/06/15	06/19/17	03/04/22	03/04/22	01/02/24	
Volatile Organic Compounds by USEPA Method 8260B (µg/L)																			
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	
1,1,1-Trichloroethane	200	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.33	
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.22	
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 5	< 1	< 25	< 25	< 5	< 1	< 1	NA	
1,1,2-Trichloroethane	5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.32	
1,1-Dichloroethane	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.37	
1,1-Dichloroethene	7	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.35	
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.43	
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.81	
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.26	
1,2,4-Trichlorobenzene	70	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.64	
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.34	
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	NA	
1,2-Dichlorobenzene	600	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.34	
1,2-Dichloroethane	5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	**0.73 J//**	**0.58**	**0.63**	< 0.32	
1,2-Dichloropropane	5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.36	
1,3-Dichlorobenzene	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.34	
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.28	
1,4-Dichlorobenzene	75	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.33	
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.39	
2-Butanone (MEK)	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10	< 10	< 10	< 4	
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.32	
2-Hexanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10	< 10	< 10	< 0.48	
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.32	
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**0.56 J//**	< 10	< 10	< 10	< 50	< 50	< 10	< 10	< 10	< 2.7	
Acetone	NS	< 20	< 20	< 20	< 20	< 10	< 20	< 20	< 20	< 20	< 20	< 10	< 100	**8.8 J//**	< 20	< 10	< 10	**167**	
Benzene	5	**0.43 J//**	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.34	
Bromobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.29	
Bromochloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.47	
Bromodichloromethane	80 [1]	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.31	
Bromoform	80 [1]	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	**1.1 J//**	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.34	
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 1.7	
Carbon disulfide	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	NA	
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.33	
Chlorobenzene	100	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.28	
Chloroethane	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.65	
Chloroform	80 [1]	< 5	< 5	< 5	< 5	< 0.5	< 5	**0.23 J//**	**0.26 J//**	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.43	
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.54	
cis-1,2-Dichloroethene	70	< 5	< 5	< 5	< 5	< 0.5	**18**	**17**	**17**	**11**	**11**	**36**	< 25	< 25	**1.8 J//**	< 0.5	< 0.5	< 0.38	
cis-1,3-Dichloropropene	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.36	
Cyclohexane	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	NA	
Dibromochloromethane	80 [1]	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.36	
Dibromomethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.39	
Dichlorodifluoromethane	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.35	
Diisopropyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.31	
Ethylbenzene	700	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.3	
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	
m&p-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.71	
Isopropylbenzene	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	NA	
Methyl acetate	NS	< 5	< 5	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 5	< 1	< 25	< 25	< 5	< 1	< 1	NA	
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.42	
Methylcyclohexane	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 5	< 5	< 5	NA	
Methylene chloride	5	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 2	
Naphthalene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.64	
o-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.34	
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.41	
Styrene	100	**0.29 J//**	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.29	
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 0.5	**1 J//**	**1.1 J//**	**1.1 J//**	**0.44 J//**	**0.5 J//**	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.29	
Toluene	1000	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.48	
trans-1,2-Dichloroethene	100	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.4	
trans-1,3-Dichloropropene	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.36	
Trichloroethene	5	< 5	< 5	< 5	< 5	< 0.5	**40**	**30**	**30**	**16**	**15**	**24**	**210**	**250**	**160**	**160**	**160**	**133**	
Trichlorofluoromethane	NS	< 5	< 5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 5	< 0.5	< 25	< 25	< 5	< 0.5	< 0.5	< 0.3	
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.3	
Vinyl chloride	2	< 2	< 2	< 2	< 2	< 0.5	< 2	< 2	< 2	< 2	< 2	< 0.5	< 10	< 10	< 2	< 0.5	< 0.5	< 0.39	
Xylenes (total)	10000	< 5	< 5	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 5	< 1	< 25	< 25	< 5	< 1	< 1	< 0.34	

Table F-3
Bedrock Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Facility															
Sample ID		MW-2D					MW-3D						MW-6D				MW-6D-PDB
Laboratory ID	USEPA	PH28036-004	QH04060-001	SF22082-013	SF22082-014 Duplicate	XB25085-005	PH28036-001	QH06108-002	QH06108-003	SF22082-002	SF22082-003 (Dup)	XB25085-002	PH28036-003	QH06108-004	SF20036-003	XC04096-009	XC04096-010 (Dup)	92706733011
Date Collected	MCL	08/28/14	08/03/15	06/22/17	06/22/17	02/25/22	08/28/14	08/06/15	08/06/15	06/21/17	06/21/17	02/25/22	08/28/14	08/06/15	06/19/17	03/04/22	03/04/22	01/02/24
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)																		
Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.04 J//**	**0.15**	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.015	**0.0019 J//**	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.059 J//**	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.015	< 0.015	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.05	< 0.05	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.1	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)																		
Alkalinity	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**66**	**100**	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)																		
Chloride	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.6**	NA	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.9 B//**	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.02	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.2**	**2.2**	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)																		
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)																		
Ethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.051 Jn**	< 10	NA	NA
Methane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.1 n**	**2.5 J//**	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5000 Un	NA	NA	NA
Ethene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.018 Jn**	< 10	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)																		
TOC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1	NA	NA
Microbial																		
Dehalococcoides	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	< 0.5	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**551**	< 4.6	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	< 0.5	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	< 0.5	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	< 0.5	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10.2**	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**258**	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**45.8**	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**80.4**	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**169**	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**45.7**	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.6 J**	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2350**	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.7**	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**570**	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**398000**	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 4.6	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.
* Vertical profile sampling interval

Table F-3
Bedrock Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Facility								Dickert Property						
Sample ID		MW-7D					MW 9D			MW12D			MW-12D-PDB	MW-12D-PDB	MW-17D	
Laboratory ID	USEPA	PH28036-002	QH06108-005	SF22082-010	XB25085-006	XB25085-007 (Dup)	RD26033-001	SF22082-010	XB24099-018	SG06069-001 (71- 81 ft) *	SG26040-001	XC08059-004	XC08059-003	92706733013	SG26040-002	XB22075-004
Date Collected	MCL	08/28/14	08/06/15	06/24/17	02/25/22	02/25/22	04/25/16	06/22/17	02/24/22	07/06/17	07/24/17	03/08/22	03/08/22	01/03/24	07/25/17	02/22/22
Volatile Organic Compounds by USEPA Method 8260B (µg/L)																
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.62	NA	NA
1,1,1-Trichloroethane	200	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.66	< 5	< 0.5
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.45	< 5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 5	< 1	< 1	< 5	< 5	< 1	< 5	< 5	< 1	< 1	NA	< 5	< 1
1,1,2-Trichloroethane	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.65	< 5	< 0.5
1,1-Dichloroethane	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.73	< 5	< 0.5
1,1-Dichloroethene	7	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	**0.46 J//**	< 0.7	< 5	< 0.5
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**NA**	< 0.85	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**NA**	< 1.6	NA	NA
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**NA**	< 0.52	NA	NA
1,2,4-Trichlorobenzene	70	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 1.3	< 5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.68	< 5	< 0.5
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	NA	< 5	< 0.5
1,2-Dichlorobenzene	600	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.68	< 5	< 0.5
1,2-Dichloroethane	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.64	< 5	< 0.5
1,2-Dichloropropane	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.71	< 5	< 0.5
1,3-Dichlorobenzene	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.68	< 5	< 0.5
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.57	NA	NA
1,4-Dichlorobenzene	75	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.67	< 5	< 0.5
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.78	NA	NA
2-Butanone (MEK)	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 7.9	< 10	< 10
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.64	NA	NA
2-Hexanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 0.95	< 10	< 10
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.65	NA	NA
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.4	< 10	< 10
Acetone	NS	< 20	< 20	< 20	< 10	< 10	**2.4 J//**	< 20	< 10	**2.5 J//**	**2.2 J/B/T**	< 10	**9.8 J//**	**487**	< 20	< 10
Benzene	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	**2.1**	< 5	< 0.5
Bromobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.58	NA	NA
Bromochloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.94	NA	NA
Bromodichloromethane	80 [1]	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	**3.8 J//**	< 5	< 0.5	< 0.5	< 0.61	< 5	< 0.5
Bromoform	80 [1]	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.68	< 5	< 0.5
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 3.3	< 5	< 0.5
Carbon disulfide	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	NA	< 5	< 0.5
Carbon tetrachloride	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.67	< 5	< 0.5
Chlorobenzene	100	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.57	< 5	< 0.5
Chloroethane	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 1.3	< 5	< 0.5
Chloroform	80 [1]	< 5	< 5	< 5	< 0.5	< 0.5	**2 J//**	**0.4 J//**	< 0.5	**16**	**0.61 J//**	< 0.5	< 0.5	< 0.86	**2 J//**	< 0.5
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 1.1	< 5	< 0.5
cis-1,2-Dichloroethene	70	**0.6 J//**	**0.27 J//**	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	**2.1 J//**	**4.2 J//**	**10**	**10**	**9.2**	< 5	< 0.5
cis-1,3-Dichloropropene	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.73	< 5	< 0.5
Cyclohexane	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	NA	< 5	< 0.5
Dibromochloromethane	80 [1]	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	**0.87 J//**	< 5	< 0.5	< 0.5	< 0.72	< 5	< 0.5
Dibromomethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.79	NA	NA
Dichlorodifluoromethane	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.69	< 5	< 0.5
Diisopropyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.62	NA	NA
Ethylbenzene	700	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.61	< 5	< 0.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 3.1	NA	NA
m&p-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.4	NA	NA
Isopropylbenzene	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	NA	< 5	< 0.5
Methyl acetate	NS	< 5	< 5	< 5	< 1	< 1	< 5	< 5	< 1	< 5	< 5	< 1	< 1	NA	< 5	< 1
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.84	< 5	< 0.5
Methylcyclohexane	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	NA	< 5	< 5
Methylene chloride	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 3.9	< 5	< 0.5
Naphthalene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.3	NA	NA
o-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.68	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.83	NA	NA
Styrene	100	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.58	< 5	< 0.5
Tetrachloroethene	5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.58	< 5	< 0.5
Toluene	1000	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.97	< 5	< 0.5
trans-1,2-Dichloroethene	100	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.79	< 5	< 0.5
trans-1,3-Dichloropropene	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.73	< 5	< 0.5
Trichloroethene	5	**45**	**15**	**1.5 J**	< 0.5	< 0.5	**3.1 J//**	**2.2 J//**	**3.6**	**7.8**	**12**	**53**	**70**	**53.2**	< 5	< 0.5
Trichlorofluoromethane	NS	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 0.5	< 0.6	< 5	< 0.5
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.6	NA	NA
Vinyl chloride	2	< 2	< 2	< 2	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 0.5	< 0.77	< 2	< 0.5
Xylenes (total)	10000	< 5	< 5	< 5	< 1	< 1	< 5	< 5	< 1	< 5	< 5	< 1	< 1	< 0.68	< 5	< 1

Table F-3
Bedrock Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Facility								**Dickert Property**						
Sample ID		**MW-7D**					**MW 9D**			**MW12D**			**MW-12D-PDB**	**MW-12D-PDB**	**MW-17D**	
Laboratory ID	USEPA	PH28036-002	QH06108-005	SF22082-010	XB25085-006	XB25085-007 (Dup)	RD26033-001	SF22082-010	XB24099-018	SG06069-001 (71- 81 ft) *	SG26040-001	XC08059-004	XC08059-003	92706733013	SG26040-002	XB22075-004
Date Collected	MCL	08/28/14	08/06/15	06/24/17	02/25/22	02/25/22	04/25/16	06/22/17	02/24/22	07/06/17	07/24/17	03/08/22	03/08/22	01/03/24	07/25/17	02/22/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)																
Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)																
Alkalinity	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)																
Chloride	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)																
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)																
Ethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)																
TOC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microbial																
Dehalococcoides	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.
* Vertical profile sampling interval

Table F-3
Bedrock Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Dickert Property			**Chapman Property**			**Ringer Property**								
Sample ID		**MW-18D**			**MW19D**			**RDW-1**				**RDW-1-PDB**	**RDW-2**			
Laboratory ID	USEPA	QI11015-001	SF20036-007	XB22075-007	SF26019-001 (45 feet) *	SG27028-001	XB24099-011	PH27059-001	QH06108-001	SF22082-007	XC04096-006	XC04096-005	PH27059-002	QH04060-002	SF16059-005	XB25085-001
Date Collected	MCL	09/11/15	06/19/17	02/22/22	06/26/17	07/27/17	02/23/22	08/28/14	08/05/15	06/21/17	03/04/22	03/04/22	08/28/14	08/04/15	06/15/17	02/25/22
Volatile Organic Compounds by USEPA Method 8260B (µg/L)																
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 1	< 5	< 5	< 1	< 5	< 5	< 5	< 1	< 1	< 5	< 5	< 5	< 1
1,1,2-Trichloroethane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
1,1-Dichloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	**0.43 J//**	**0.38 J//**	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
1,1-Dichloroethene	7	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
1,2-Dichlorobenzene	600	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
1,2-Dichloroethane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
1,2-Dichloropropane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
1,3-Dichlorobenzene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	NS	< 10	**11**	**2.2 J//**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NS	< 10	**2.2 J//**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	NS	**4.9 J//**	**73**	**21 /B/T**	< 20	< 20	< 10	< 20 /J/E	**3 J//**	**5.4 J/B/T**	**9.6 J//**	**6.1 J//**	< 20 /J/E	**5 J//**	< 20	**4.9 J//**
Benzene	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Bromobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	80 [1]	< 5	< 5	< 0.5	**0.72 J//**	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Bromoform	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Carbon disulfide	NS	**0.52 J//**	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Carbon tetrachloride	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Chlorobenzene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Chloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Chloroform	80 [1]	**0.45 J//**	< 5	< 0.5	**3.1 J//**	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	**2.9 J//**	< 5	< 5	< 0.5
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
cis-1,2-Dichloroethene	70	< 5	< 5	< 0.5	< 5	< 5	< 0.5	**3.5 J//**	**3.3 J//**	**2.1 J//**	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
cis-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Cyclohexane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	**0.51**	< 5	< 5	< 5	< 0.5
Dibromochloromethane	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Dibromomethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Diisopropyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	700	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Methyl acetate	NS	< 5	< 5	< 1	< 5	< 5	< 1	< 5	< 5	< 5	< 1	< 1	< 5	< 5	< 5	< 1
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Methylcyclohexane	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Naphthalene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100	< 5	**0.5 J//**	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Tetrachloroethene	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	**1.3 J//**	**1.1 J//**	**0.66 J//**	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Toluene	1000	< 5	**0.6 J//**	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
trans-1,2-Dichloroethene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
trans-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Trichloroethene	5	**74**	**21**	**19**	< 5	**3.1 J//**	**3.3**	**190**	**180**	**110**	**10**	**9.1**	< 5	< 5	< 5	< 0.5
Trichlorofluoromethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 0.5	< 0.5	< 5	< 5	< 5	< 0.5
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 0.5	< 2	< 2	< 2	< 0.5
Xylenes (total)	10000	< 5	< 5	< 1	< 5	< 5	< 1	< 5	< 5	< 5	< 1	< 1	< 5	< 5	< 5	< 1

Table F-3
Bedrock Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Dickert Property			Chapman Property			Ringer Property								
Sample ID		MW-18D			MW19D			RDW-1				RDW-1-PDB	RDW-2			
Laboratory ID	USEPA	QI11015-001	SF20036-007	XB22075-007	SF26019-001 (45 feet) *	SG27028-001	XB24099-011	PH27059-001	QH06108-001	SF22082-007	XC04096-006	XC04096-005	PH27059-002	QH04060-002	SF16059-005	XB25085-001
Date Collected	MCL	09/11/15	06/19/17	02/22/22	06/26/17	07/27/17	02/23/22	08/28/14	08/05/15	06/21/17	03/04/22	03/04/22	08/28/14	08/04/15	06/15/17	02/25/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)																
Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)																
Alkalinity	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)																
Chloride	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)																
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)																
Ethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)																
TOC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microbial																
Dehalococcoides	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.
* Vertical profile sampling interval

Table F-3
Bedrock Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Shealy Property										
Sample ID		**SDW-1**			**SDW 2**			**SDW-3**				
Laboratory ID	USEPA	RA13091-001	SF22082-005	XB22075-001	RD26033-003	SF22082-015	XB22075-008	SF29048-001 **(56 - 66 ft)***	SF29048-002 **(84 ft)***	SG05094-001 **(133 ft) ***	SG26040-003	XB22002-001
Date Collected	MCL	01/13/16	06/21/17	02/21/22	04/26/16	06/22/17	02/22/22	06/29/17	06/29/17	07/05/17	07/25/17	02/21/22
Volatile Organic Compounds by USEPA Method 8260B (µg/L)												
1,1,1,2-Tetrachloroethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	< 5	< 5	< 1	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 1
1,1,2-Trichloroethane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,1-Dichloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,1-Dichloroethene	7	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,1-Dichloropropene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	70	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,2-Dibromo-3-chloropropane (DBCP)	0.2	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,2-Dibromoethane (EDB)	0.05	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,2-Dichlorobenzene	600	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,2-Dichloroethane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,2-Dichloropropane	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,3-Dichlorobenzene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
1,3-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
2,2-Dichloropropane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	NS	< 10	< 10	< 10	**2.3 J//**	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NS	< 10	< 10	< 10	**0.59 J//**	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	**0.92 J//**	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	NS	< 20	< 20	< 10	**11 J//**	**25 /B/T**	**4.2 J/B/T**	**14 J//**	< 20	**5.5 J//**	< 20	< 10
Benzene	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Bromobenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	**2.6 J//**	**0.98 J//**	**1.3 J//**	< 5	< 0.5
Bromoform	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Bromomethane (Methyl bromide)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Carbon disulfide	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Carbon tetrachloride	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Chlorobenzene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Chloroethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Chloroform	80 [1]	< 5	< 5	< 0.5	**5.7**	< 5	**0.5**	**17**	**3.5 J//**	**5.6**	< 5	< 0.5
Chloromethane (Methyl chloride)	NS	< 5	< 5	< 0.5	**0.37 J//**	**0.42 J//**	< 0.5	< 5	< 5	< 5	< 5	< 0.5
cis-1,2-Dichloroethene	70	**0.96 J//**	**0.56 J//**	**1.3**	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
cis-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Cyclohexane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Dibromochloromethane	80 [1]	< 5	< 5	< 0.5	< 5	< 5	< 0.5	**0.59 J//**	< 5	< 5	< 5	< 0.5
Dibromomethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Diisopropyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	700	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Hexachloro-1,3-butadiene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Methyl acetate	NS	< 5	< 5	< 1	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 1
Methyl tertiary butyl ether (MTBE)	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Methylcyclohexane	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	5	< 5	< 5	< 0.5	**1.8 J//**	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Naphthalene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Tetrachloroethene	5	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Toluene	1000	< 5	< 5	< 0.5	**27**	**0.85 J//**	**0.46 J//**	**0.52 J//**	< 5	< 5	< 5	< 0.5
trans-1,2-Dichloroethene	100	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
trans-1,3-Dichloropropene	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Trichloroethene	5	**16**	**10**	**25**	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Trichlorofluoromethane	NS	< 5	< 5	< 0.5	< 5	< 5	< 0.5	< 5	< 5	< 5	< 5	< 0.5
Vinyl acetate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	2	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 2	< 0.5
Xylenes (total)	10000	< 5	< 5	< 1	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 1

Table F-3
Bedrock Monitoring Well Sample Results
2014 to 2024
Shakespeare Composite Structures Site
RP-VCC-14-6271-RP
Newberry, SC

		Shealy Property										
Sample ID		**SDW-1**			**SDW 2**			**SDW-3**				
Laboratory ID	USEPA	RA13091-001	SF22082-005	XB22075-001	RD26033-003	SF22082-015	XB22075-008	SF29048-001 **(56 - 66 ft)***	SF29048-002 **(84 ft)***	SG05094-001 **(133 ft) ***	SG26040-003	XB22002-001
Date Collected	MCL	01/13/16	06/21/17	02/21/22	04/26/16	06/22/17	02/22/22	06/29/17	06/29/17	07/05/17	07/25/17	02/21/22
Metals by USEPA Method 6010 and SM 3500-Fe B-2011 (mg/L)												
Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	0.3 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	0.05 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous Iron	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferric Iron (calculation)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity by USEPA Method SM 2320B-2011 (mg/L)												
Alkalinity	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride, Nitrate, Nitrite, and Sulfate by USEPA Method 300.0 (mg/L)												
Chloride	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250 [2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide by USEPA Method SM 4500-S2 F-2011 (mg/L)												
Sulfide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Gases by USEPA Method AM20GAX (ug/L)												
Ethane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon by USEPA Method SM 5310C-2014 (mg/L)												
TOC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Microbial												
Dehalococcoides	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAV1 Vinyl Chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tceA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2 DCA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cerA Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobacter DCM	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalobium chlorocoercia	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dehalogenimonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfitobacterium spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Desulfuromonas spp	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane Dehalogenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Epoxyalkane Transferase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methanogens	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCE Reductase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol Hydroxylase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Soluble Methane Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate Reducing Bacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene Monooxygenase 2	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Eubacteria	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-DCE Reductase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobenzene Dioxygenase	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
-a - Indicates a field duplicate sample.
MCL - Maximum Contaminant Level (USEPA, March 2018)
NS - No Standard
USEPA - United States Environmental Protection Agency
Bold font indicates the analyte was detected.
Bold outline indicates an exceedance of the USEPA MCL.
* Vertical profile sampling interval

Attachment 10

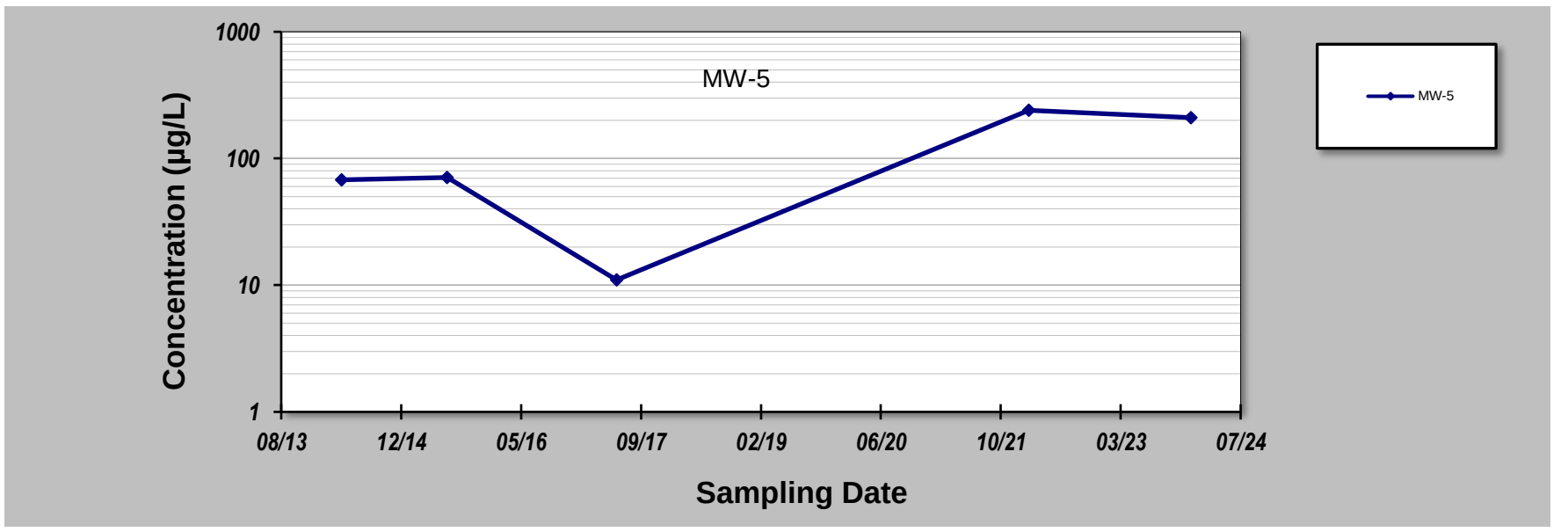
Mann Kendall Trend Plots – 2017 to 2024 Groundwater Data

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-5						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	22-Apr-14	68						
2	7-Jul-15	71						
3	12-Jun-17	11						
4	24-Feb-22	240						
5	2-Jan-24	210						
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.83						
Mann-Kendall Statistic (S):		4						
Confidence Factor:		75.8%						
Concentration Trend:		No Trend						



Notes:

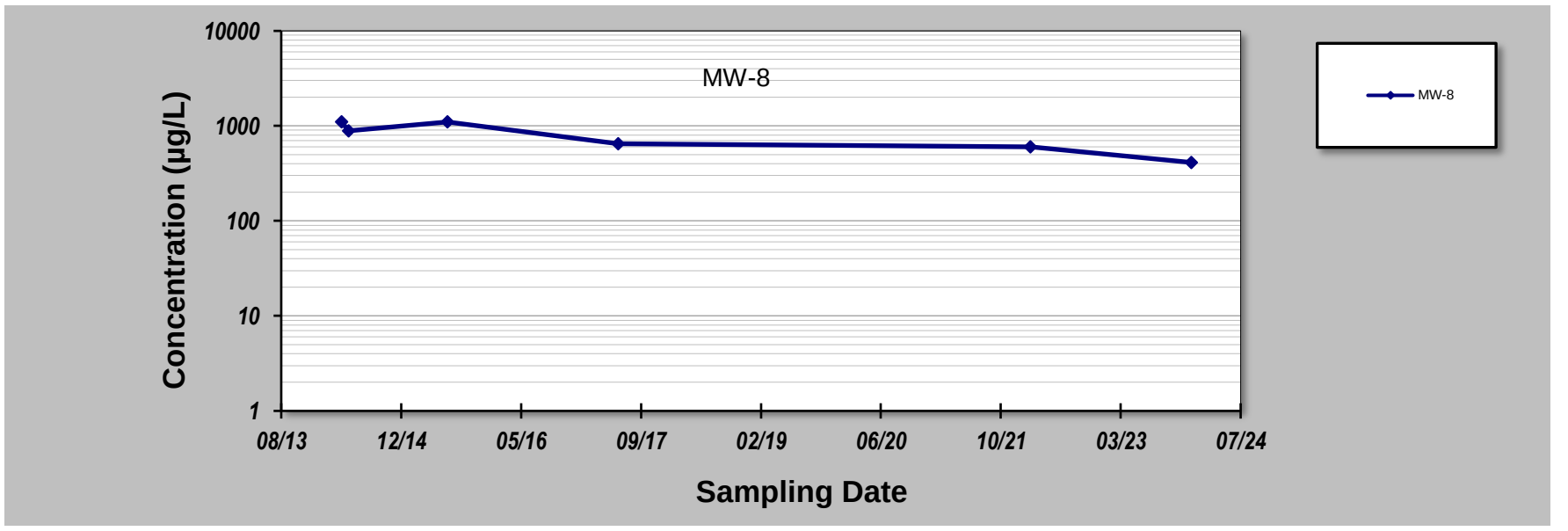
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-8						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	23-Apr-14	1100						
2	22-May-14	890						
3	8-Jul-15	1100						
4	19-Jun-17	650						
5	4-Mar-22	600						
6	3-Jan-24	412						
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.36						
Mann-Kendall Statistic (S):		-12						
Confidence Factor:		98.2%						
Concentration Trend:		Decreasing						



Notes:

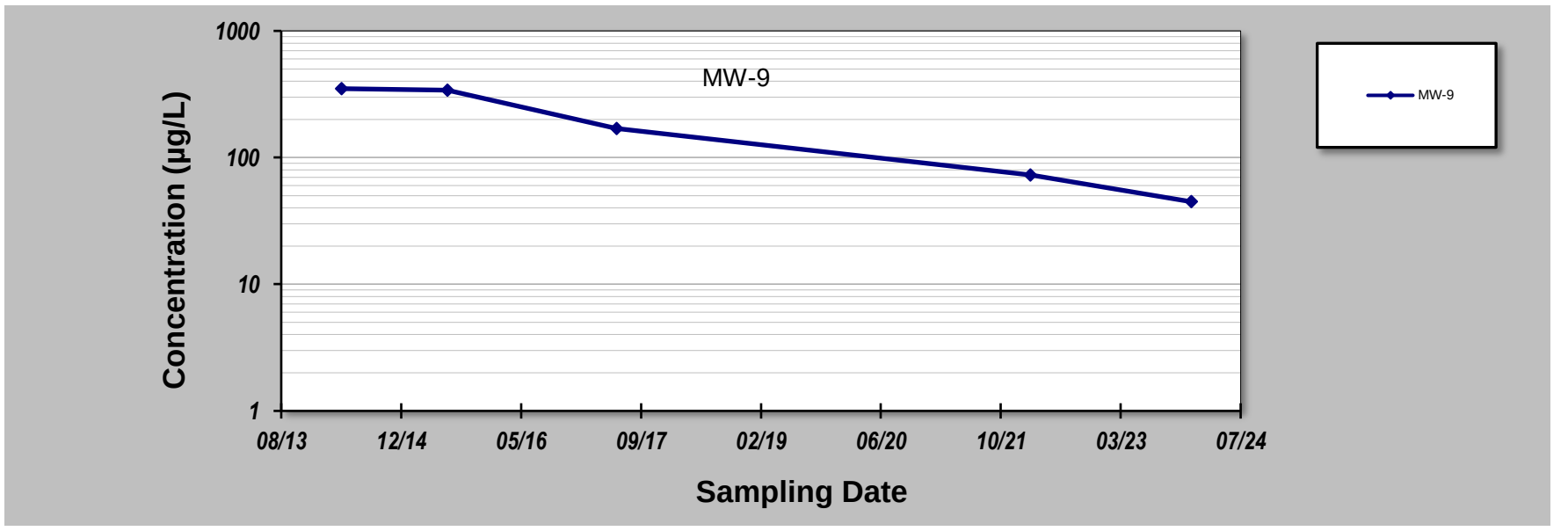
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-9						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	23-Apr-14	350						
2	8-Jul-15	340						
3	12-Jun-17	170						
4	4-Mar-22	73						
5	3-Jan-24	44.8						
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.74						
Mann-Kendall Statistic (S):		-10						
Confidence Factor:		99.2%						
Concentration Trend:		Decreasing						



Notes:

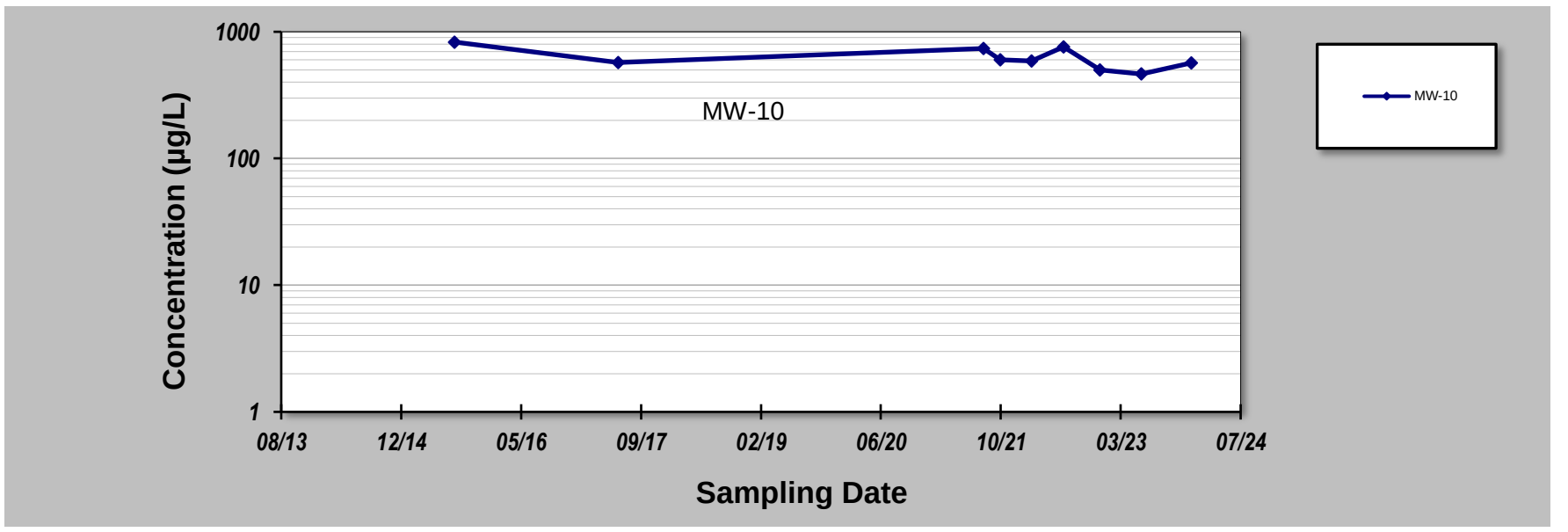
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-10						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	6-Aug-15	830						
2	19-Jun-17	570						
3	20-Aug-21	740						
4	29-Oct-21	600						
5	8-Mar-22	590						
6	19-Jul-22	760						
7	19-Dec-22	500						
8	9-Jun-23	464						
9	3-Jan-24	567						
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.20						
Mann-Kendall Statistic (S):		-18						
Confidence Factor:		96.2%						
Concentration Trend:		Decreasing						



Notes:

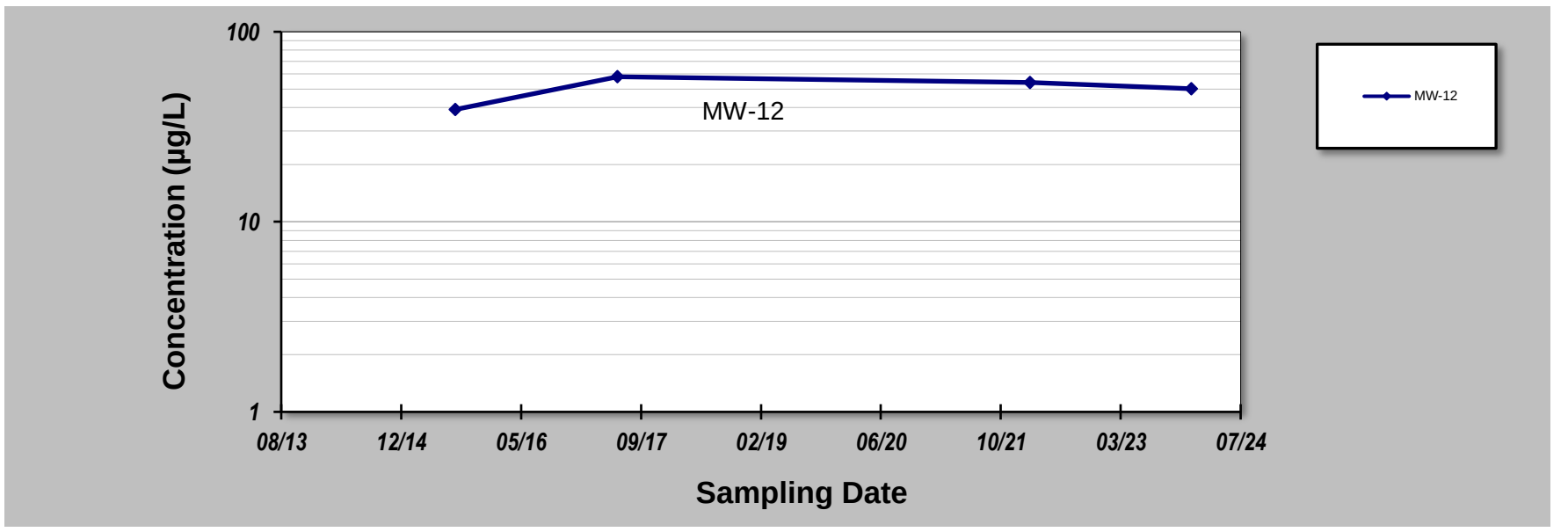
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-12						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	10-Aug-15	39						
2	16-Jun-17	58						
3	2-Mar-22	54						
4	3-Jan-24	50.2						
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.16						
Mann-Kendall Statistic (S):		0						
Confidence Factor:		37.5%						
Concentration Trend:		Stable						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-14						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	10-Aug-15	24						
2	16-Jun-17	50						
3	2-Mar-22	100						
4	3-Jan-24	139						
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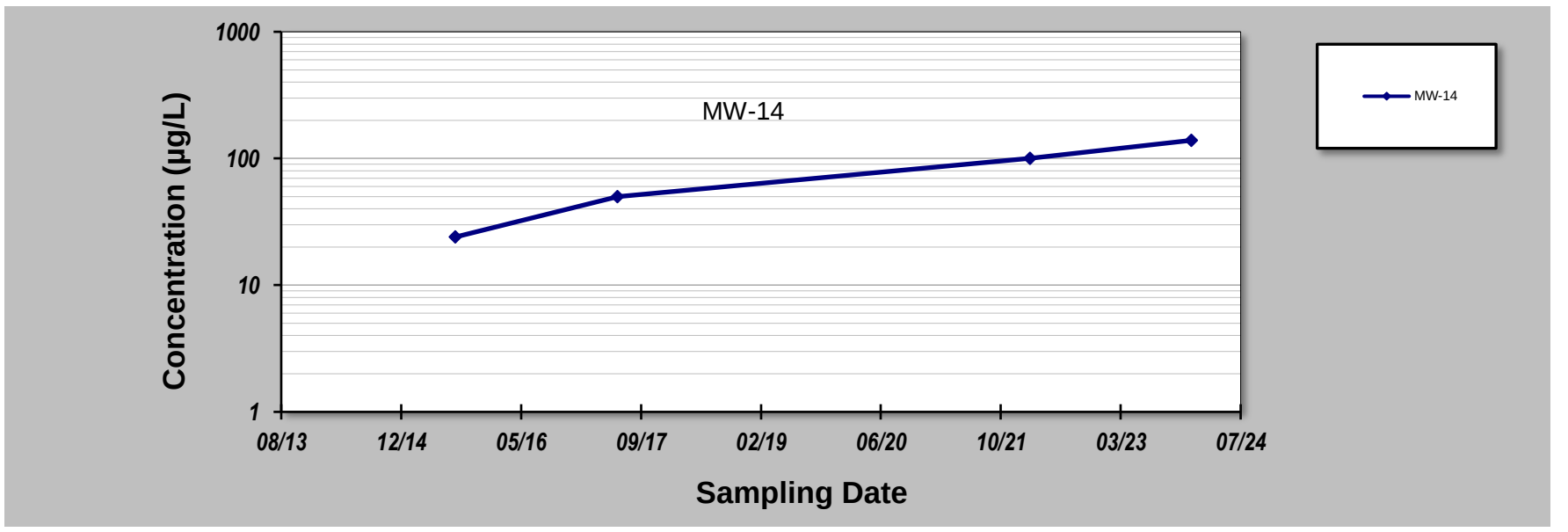
20								
Coefficient of Variation:		0.66						
Mann-Kendall Statistic (S):		6						
Confidence Factor:		95.8%						
Concentration Trend:		Increasing						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-16						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	10-Aug-15	38						
2	15-Jun-17	35						
3	22-Feb-22	48						
4	3-Jan-24	67.8						
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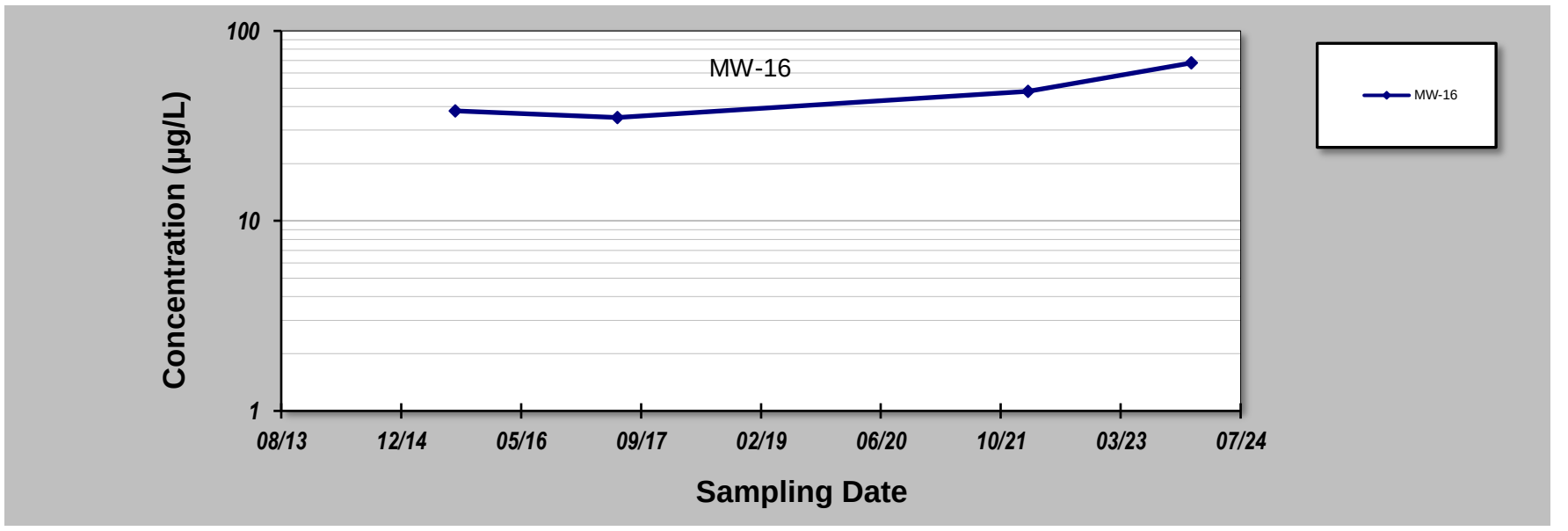
Coefficient of Variation:		0.31						
Mann-Kendall Statistic (S):		4						
Confidence Factor:		83.3%						
Concentration Trend:		No Trend						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	TMW-21						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	22-May-14	1100						
2	9-Jul-15	1000						
3	14-Jun-17	890						
4	28-Feb-22	260						
5	2-Jan-24	90.1						
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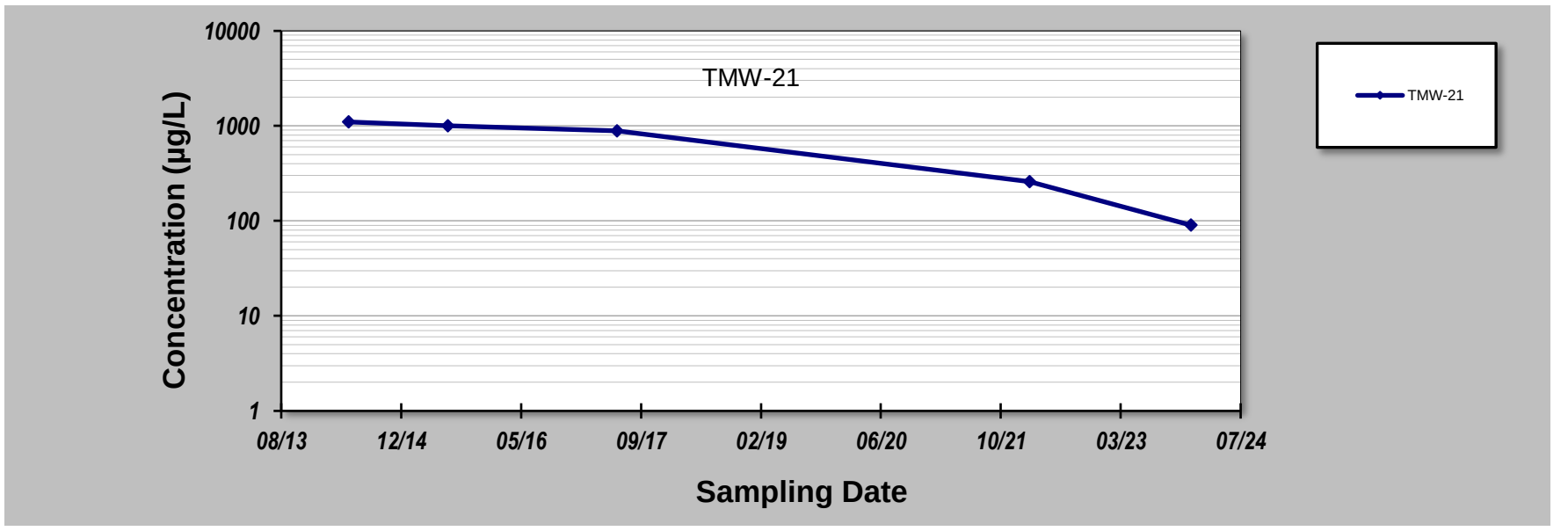
Coefficient of Variation:		0.69						
Mann-Kendall Statistic (S):		-10						
Confidence Factor:		99.2%						
Concentration Trend:		Decreasing						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	TMW-22						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	22-May-14	790						
2	9-Jul-15	680						
3	14-Jun-17	440						
4	28-Feb-22	220						
5	2-Jan-24	86.9						
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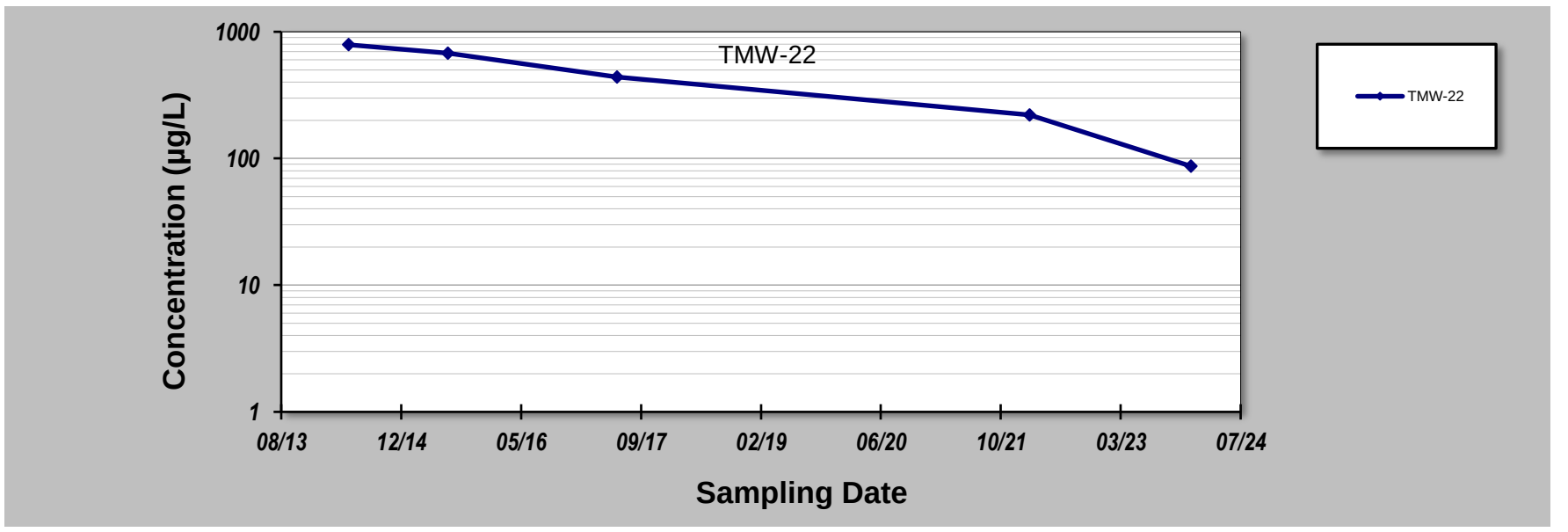
Coefficient of Variation:		0.67						
Mann-Kendall Statistic (S):		-10						
Confidence Factor:		99.2%						
Concentration Trend:		Decreasing						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	TMW-23						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	28-May-14	140						
2	9-Jul-15	92						
3	14-Jun-17	170						
4	1-Mar-22	420						
5	2-Jan-24	111						
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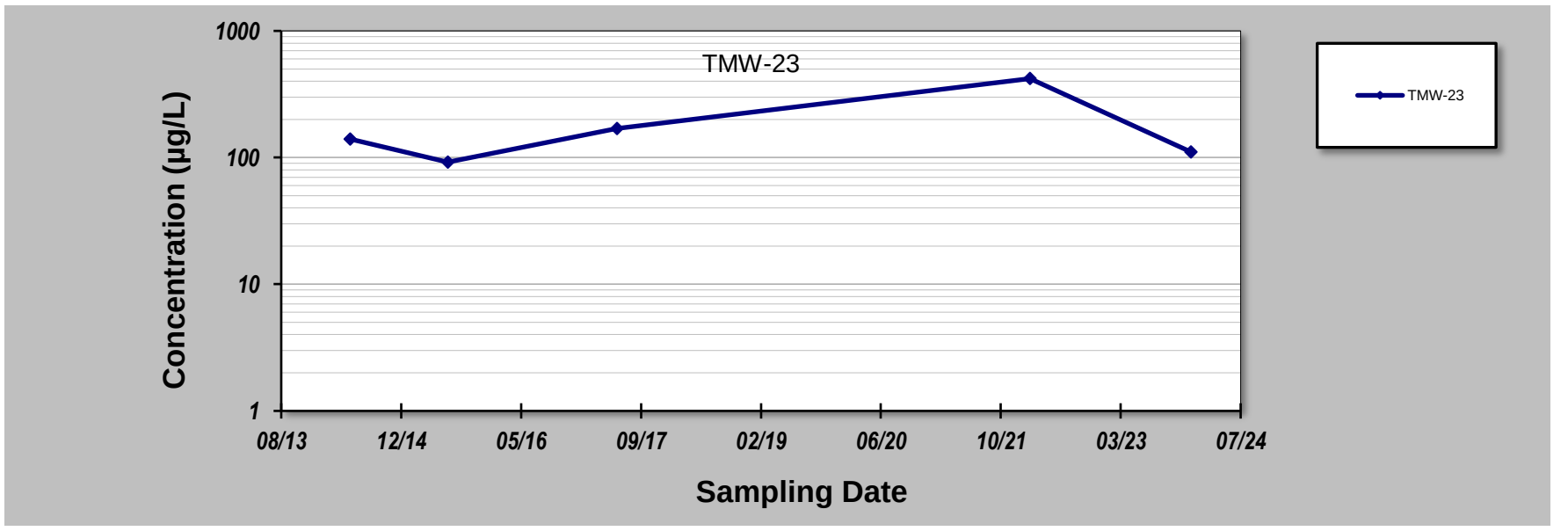
Coefficient of Variation:		0.72						
Mann-Kendall Statistic (S):		2						
Confidence Factor:		59.2%						
Concentration Trend:		No Trend						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	TMW-24						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	28-May-14	620						
2	8-Jul-15	1200						
3	13-Jun-17	320						
4	28-Feb-22	70						
5	2-Jan-24	93.8						
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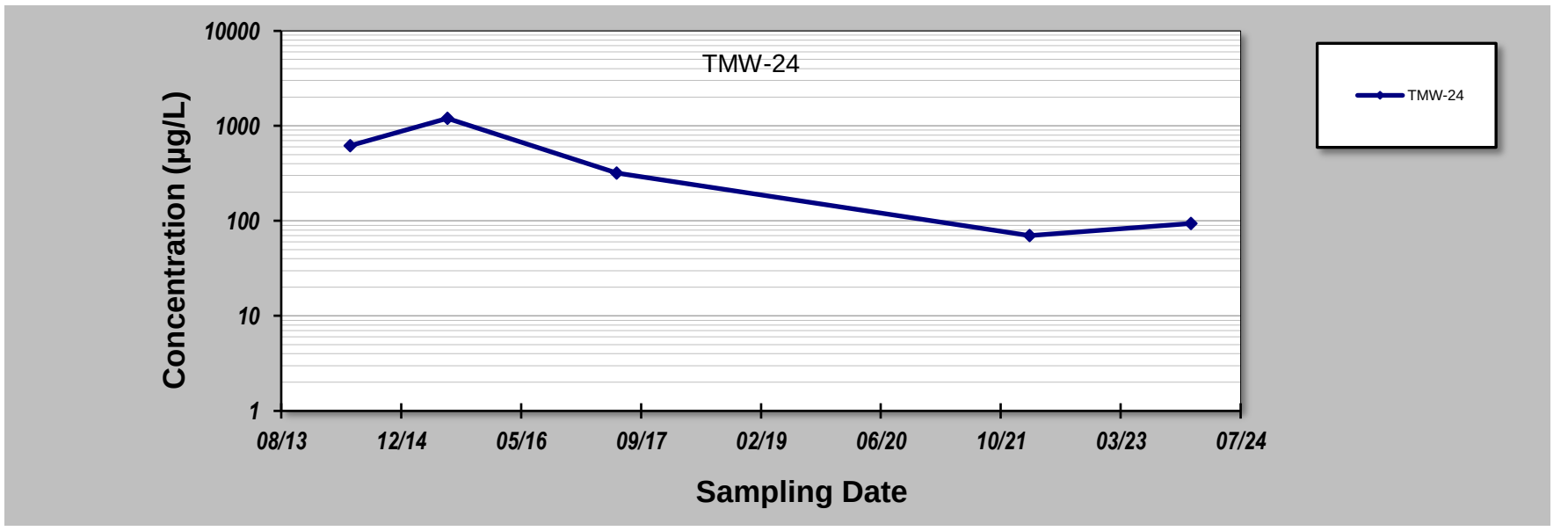
Coefficient of Variation:		1.02						
Mann-Kendall Statistic (S):		-6						
Confidence Factor:		88.3%						
Concentration Trend:		No Trend						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	TMW-25						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	29-May-14	1.8						
2	8-Jul-15	15						
3	13-Jun-17	38						
4	28-Feb-22	45						
5	2-Jan-24	51.9						
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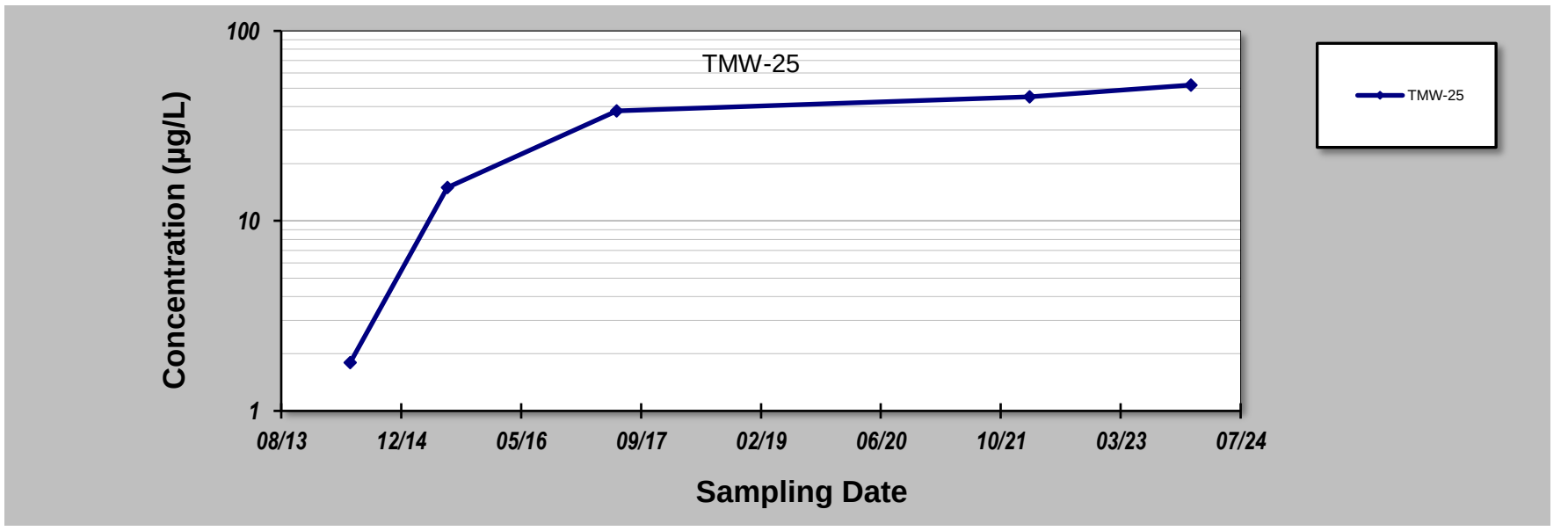
20								
Coefficient of Variation:		0.70						
Mann-Kendall Statistic (S):		10						
Confidence Factor:		99.2%						
Concentration Trend:		Increasing						



Notes:

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	TMW-31						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	4-Jun-14	470						
2	9-Jul-15	330						
3	14-Jun-17	1400						
4	20-Aug-21	920						
5	1-Mar-22	480						
6	20-Jul-22	860						
7	28-Dec-22	3600						
8	29-Sep-23	1810						
9	2-Jan-24	1.1						
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17								
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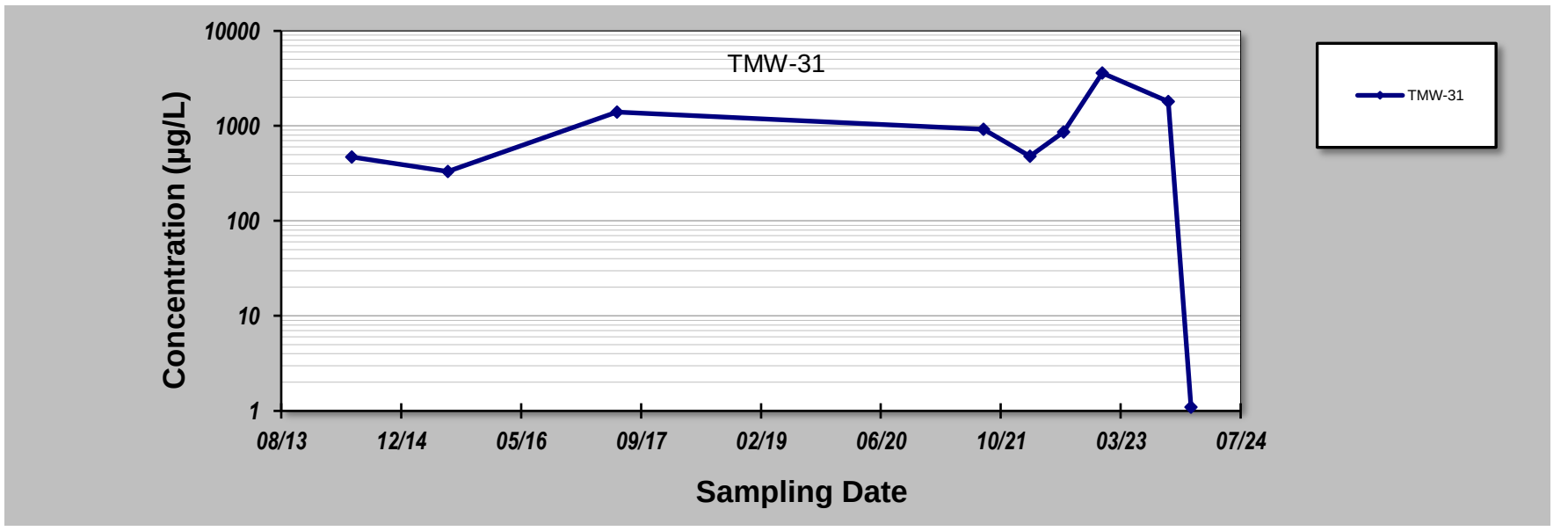
20								
Coefficient of Variation:		0.99						
Mann-Kendall Statistic (S):		6						
Confidence Factor:		69.4%						
Concentration Trend:		No Trend						



Notes:

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-5I						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	27-Aug-15	430						
2	21-Jun-17	200						
3	3-Mar-22	610						
4	2-Jan-24	296						
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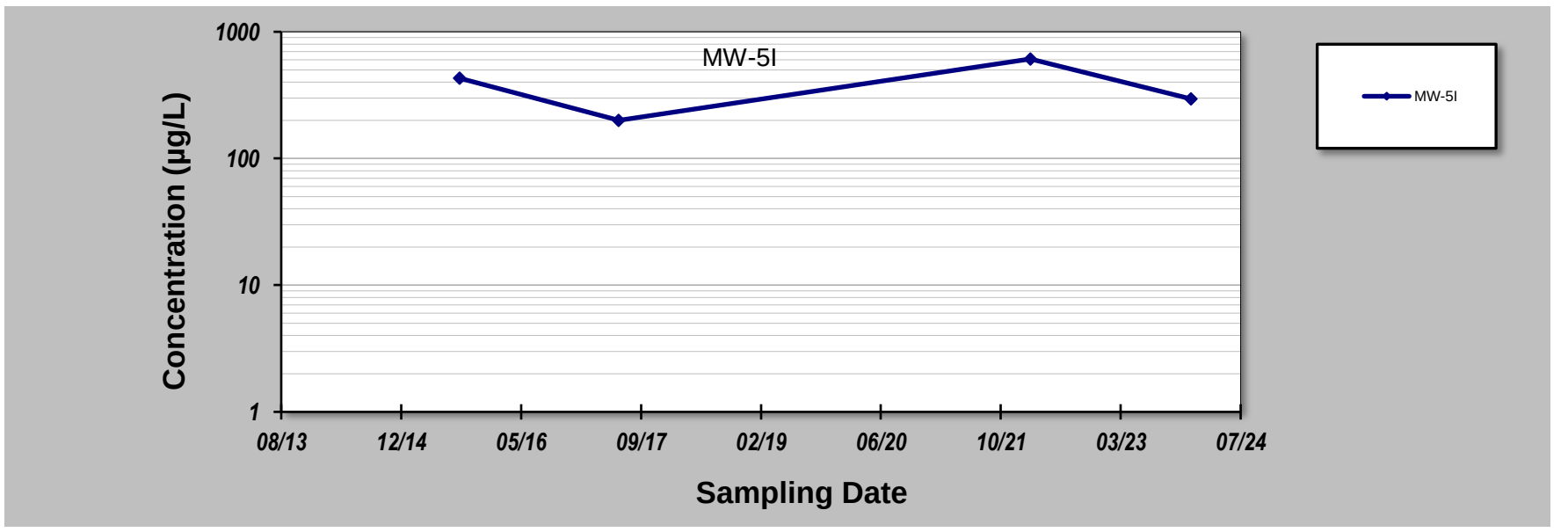
20								
Coefficient of Variation:		0.46						
Mann-Kendall Statistic (S):		0						
Confidence Factor:		37.5%						
Concentration Trend:		Stable						



Notes:

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2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-6I						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	26-Aug-15	20						
2	15-Jun-17	10						
3	24-Feb-22	15						
4	2-Jan-24	18.2						
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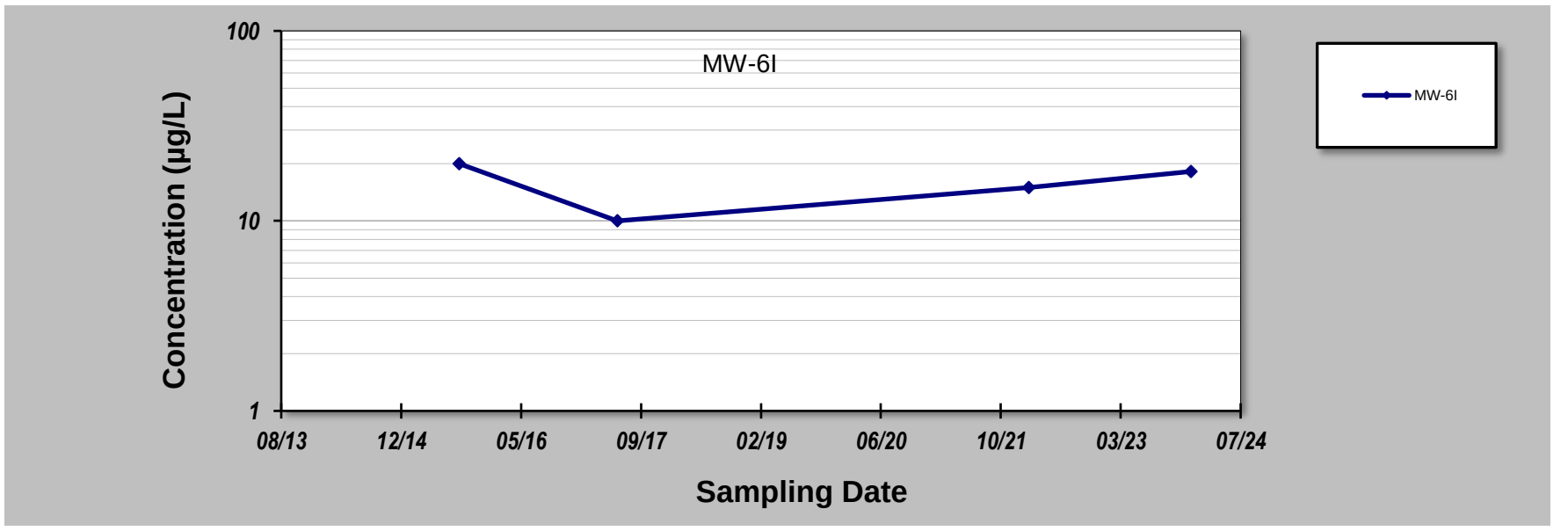
Coefficient of Variation:		0.28						
Mann-Kendall Statistic (S):		0						
Confidence Factor:		37.5%						
Concentration Trend:		Stable						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-7I						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	27-Aug-15	290						
2	19-Jun-17	280						
3	3-Mar-22	300						
4	2-Jan-24	251						
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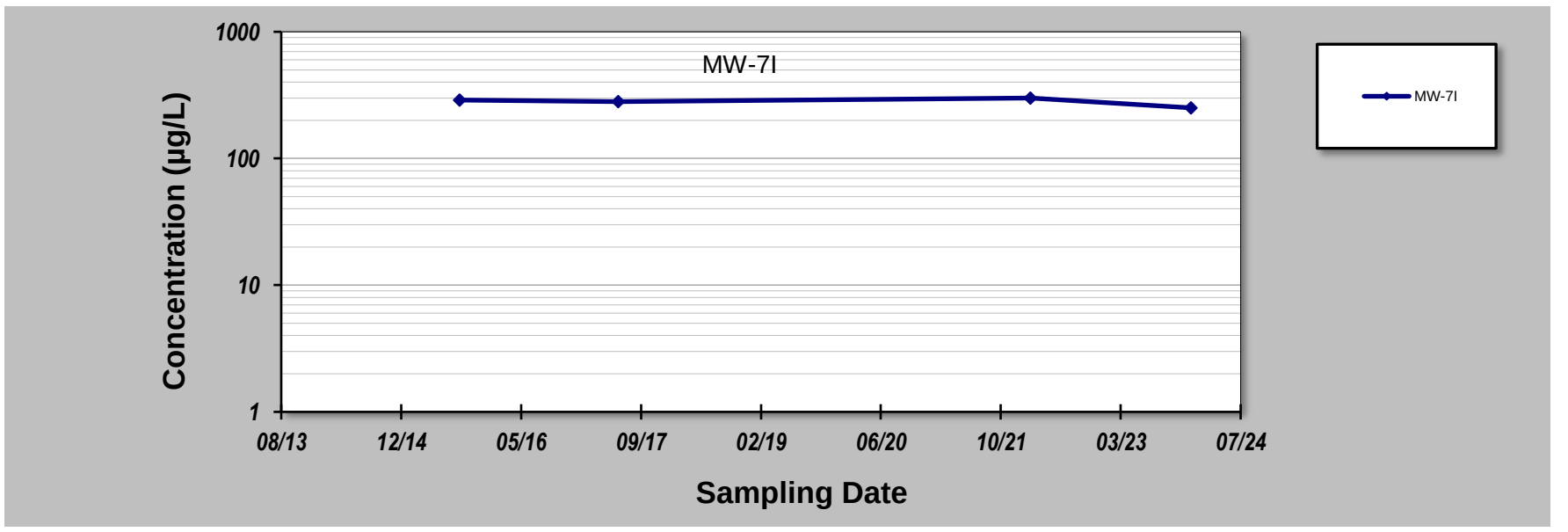
Coefficient of Variation:		0.08						
Mann-Kendall Statistic (S):		-2						
Confidence Factor:		62.5%						
Concentration Trend:		Stable						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-9I						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	26-Aug-15	380						
2	20-Jun-17	480						
3	24-Feb-22	850						
4	3-Jan-24	716						
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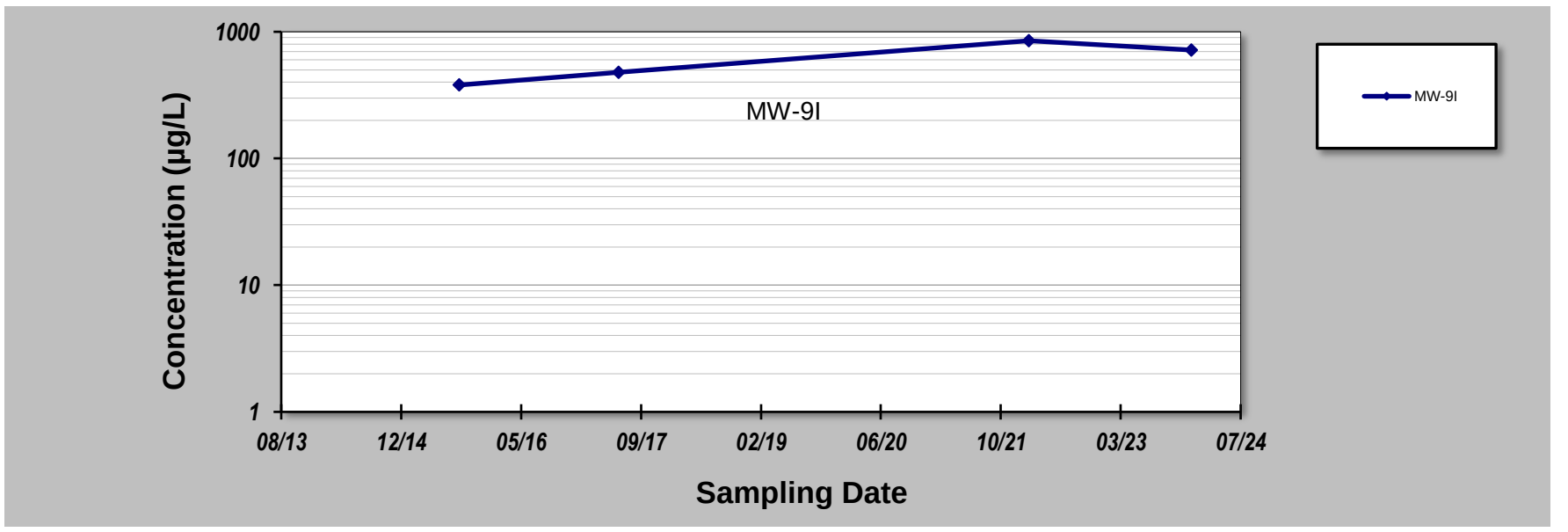
20								
Coefficient of Variation:		0.35						
Mann-Kendall Statistic (S):		4						
Confidence Factor:		83.3%						
Concentration Trend:		No Trend						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID: MW-10I

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)
1	8-Sep-15	890
2	20-Jun-17	1000
3	20-Aug-21	870
4	29-Oct-21	1100
5	8-Mar-22	50
6	19-Jul-22	57
7	19-Dec-22	55
8	3-Jan-24	617
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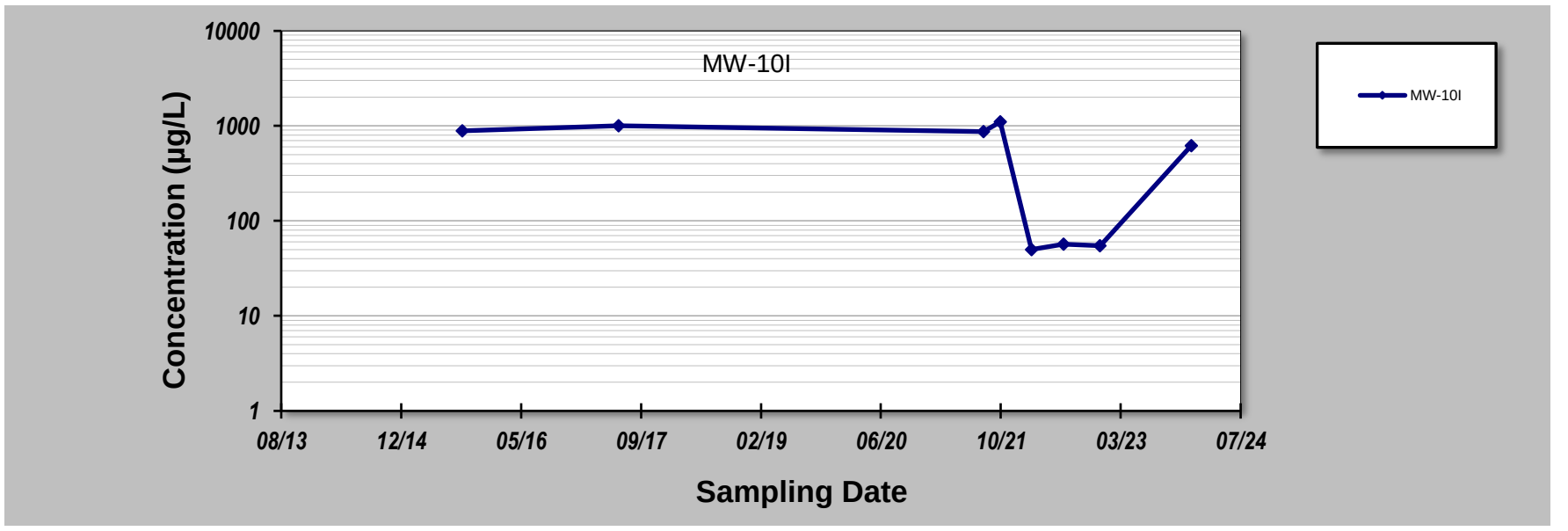
20		
Coefficient of Variation:		0.79
Mann-Kendall Statistic (S):		-10
Confidence Factor:		86.2%
Concentration Trend:		Stable



Notes:

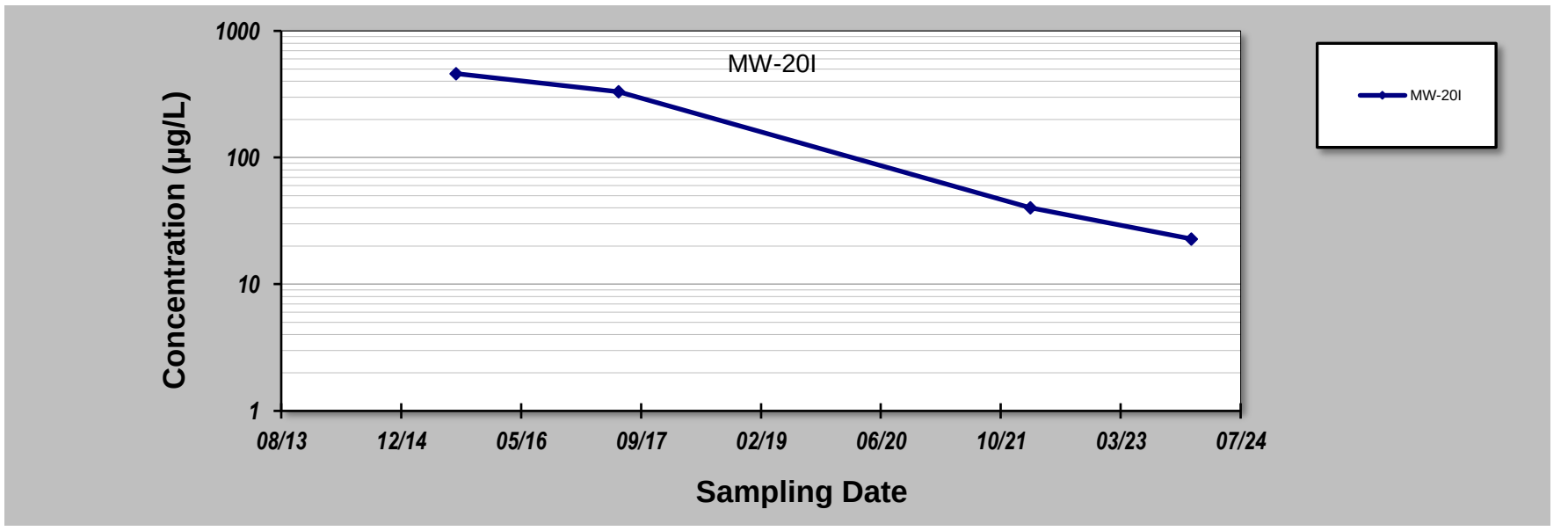
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-20I						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	13-Aug-15	460						
2	20-Jun-17	330						
3	4-Mar-22	40						
4	3-Jan-24	22.8						
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.02						
Mann-Kendall Statistic (S):		-6						
Confidence Factor:		95.8%						
Concentration Trend:		Decreasing						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-6D						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	28-Aug-14	210						
2	6-Aug-15	250						
3	19-Jun-17	160						
4	4-Mar-22	160						
5	2-Jan-24	133						
6								
7								
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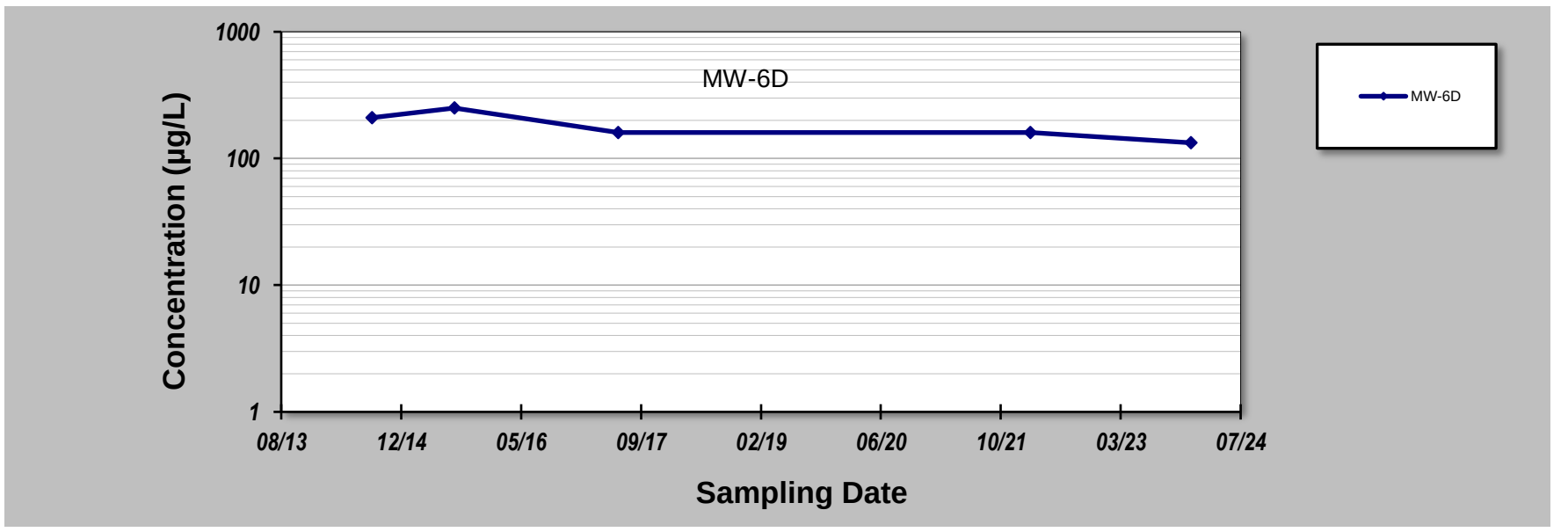
19								
20								
Coefficient of Variation:		0.26						
Mann-Kendall Statistic (S):		-7						
Confidence Factor:		92.1%						
Concentration Trend:		Prob. Decreasing						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	23-Jan-24	Job ID:	60721186
Facility Name:	Shakespeare – Newberry, SC	Constituent:	Trichloroethene
Conducted By:	AECOM	Concentration Units:	µg/L

Sampling Point ID:	MW-12D						

Sampling Event	Sampling Date	TRICHLOROETHENE CONCENTRATION (µg/L)						
1	6-Jul-17	7.8						
2	24-Jul-17	12						
3	8-Mar-22	70						
4	3-Jan-24	53.2						
5								
6								
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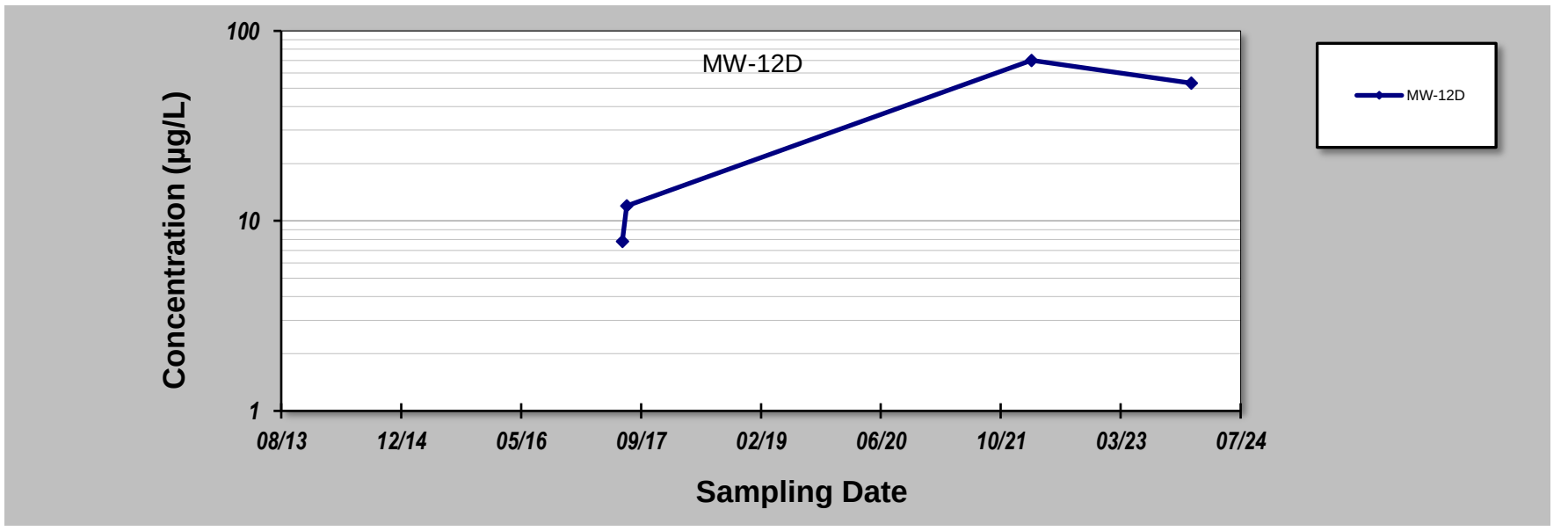
20								
Coefficient of Variation:		0.86						
Mann-Kendall Statistic (S):		4						
Confidence Factor:		83.3%						
Concentration Trend:		No Trend						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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