

ATLAS



Corrective Action System Evaluation and Monitoring Report

1st half 2022

Circle K # 2720886

UST Site # 01589

4315 Savannah Highway, Ravenel, South Carolina

PREPARED FOR:



And
South Carolina Department of Health and Environmental
Control-UST Management Division

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Corrective Action System Evaluation and Monitoring Report

1st Semi-Annual Period 2022

Circle K Store no. 2720886

Release Reported 8/2/2018

4315 Savannah Highway


Ravenel (Charleston County), South Carolina

UST Permit No. 01589, CA # 61117

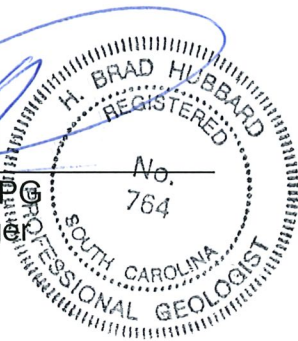
ATC Project No. 257CK88612

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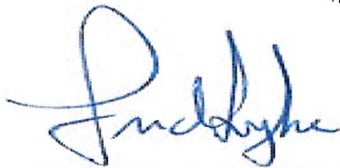
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May 5, 2022

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1.0 INTRODUCTION

Atlas Technical (Atlas, dba ATC) has prepared this Corrective Action System Evaluation (CASE) and Monitoring Report for corrective action of release # 4 (reported August 2, 2018) at the Circle K Store # 2720886, located at 4315 Savannah Highway in Ravenel, Charleston County, South Carolina. The report has been prepared on behalf of the responsible party, Circle K Stores, Inc. The report documents monitoring well gauging and sampling activities, and presents results and performance metrics. The report covers the status of the remedial effort for the first half of 2022.

2.0 SITE DESCRIPTION

2.1 Site Characterization

A site topographic location map is presented as **Figure 1** and a site map with current monitoring and recovery wells is presented as **Figure 2**. The facility has historically transacted as a convenience store distributing retail gasoline and diesel fuel. The subject property is owned by the Gregorie Land Company, LLC (P.O. Box 248, Mount Pleasant, SC 29465-0248; Telephone: (843) 884-4153). The site is located in the southwestern quadrant of the intersection between Savannah Highway (U.S. Highway 17) and South Carolina Highway 162, east of Ravenel, in Charleston County, SC. The properties located immediately adjacent to the subject property have been commercially developed or remain wooded. According to the SCDHEC UST registry database, the release has a South Carolina Risk-Based Corrective Action (SCRBCA) risk classification score of 1E, based on the presence of free product on surface water in the immediate vicinity.

The site is situated in the lower Coastal Plain physiographic province and is at an estimated elevation of 20 feet above mean sea level. The site has no apparent

slope. It is situated approximately 2,000 feet south and southwest of Wallace River, a sensitive ecological zone estuary. Based on the Tier II Assessment data, site soils are dominantly fine to medium sand, slightly silty and clayey in layers. The water table occurs at depths of one to three feet across the site, and shallow groundwater flow is to the northwest. Utilities available to the site vicinity include water and sewer service. Natural gas and telecom utilities are also along Savannah Highway. It is assumed these are within the saturated zone of the water table in the site vicinity. Although public water service is available, there are a number of in use potable and non-potable wells in an approximately 2,000-foot radius of the site, primarily to the northwest, west and southwest.

2.2 Site Background

Information available in the SCDHEC Underground Storage Tank (UST) Registry database indicates that four (4) USTs have been in operation at the site since 1/1/90. Three (3) USTs exhibiting storage capacities of 10,000 gallons each, store regular unleaded gasoline, premium-grade unleaded gasoline and diesel fuel. A single 6,000 gallon UST stores medium-grade unleaded gasoline. According to data available in the SCDHEC UST Registry, four (4) petroleum releases at the site have been documented. Petroleum release #1 was confirmed on 12/31/91 and received a No Further Action (NFA) designation on 8/29/94. Petroleum release # 2 was confirmed on 2/10/94 and received an NFA designation on 9/27/07. A third petroleum release at the site was assigned on 2/26/18. This release received an NFA on 11/2/18.

Following a significant precipitation event on 08/02/18, suspected gasoline product was identified in the grassed median between northbound and southbound U.S. Highway 17 northwest of the subject property. Suspected gasoline was additionally observed filling cracks in the asphalt of both the southern and northern shoulders of the southbound lane of U.S. Highway 17. Circle K retained ATC to perform emergency abatement measures, and by

08/28/18, approximately 1,270 gallons of product and over 20,000 gallons of petroleum-impacted water had been recovered from shallow sumps installed on the site, and from stormwater drains located in the highway median, and pooled product on the western edge of the highway. On 08/08/18, tank tightness testing performed on the UST System operating at the site determined that the gravity-fed remote fill lines supplying the regular and mid-grade unleaded gasoline USTs and the diesel fuel UST had lost integrity. In accordance with the SCDHEC directive of 08/21/18, ATC performed a Tier II Assessment of the release. The results of investigation were submitted in the Tier II Assessment Report of 12/21/18.

For the Tier II Assessment, a total of 57 screening points were installed to attempt to delineate the free-phase and dissolved contamination in shallow groundwater. An additional eight soil samples were collected to assess soil conditions. As a result of screening, a total of 31 shallow (Type 2) monitoring wells, three deep cased (Type 3) monitoring wells, and six 4-inch diameter recovery wells were installed. The assessment indicated that the flow of groundwater in the upper (shallow) portion of the surficial aquifer was to the northwest, at a relatively flat gradient (0.012 feet per foot) Depth to the water table ranged from 1.3 to 7.6 feet below grade. The potentiometric flow in the lower portion of the surficial aquifer was determined to be to the northeast, at a gradient of 0.031 feet per foot. Seepage velocities were calculated as 2.76 feet/year to the northwest for the shallow portion of the surficial aquifer and 3.04 feet/year for the lower portion of the surficial aquifer. Soil in the upper portion was predominantly slightly silty and clayey sand. In the deeper portion, the percentage of sand relative to silt and clay was even higher. Measurable free phase product (a.k.a. light non aqueous-phase liquid, or LNAPL) was detected in wells 01589 MW-6 (2.3 ft.), 01589 RW-5 (2.8 ft.), and 01589 RW-6 (3.11 ft.). Chemicals of Concern (CoCs) in groundwater above SCDHEC risk-based screening levels (RBSLs) included benzene, toluene, ethylbenzene, total

xylenes, naphthalene, MtBE, tert-Butyl alcohol (tBA), tert-Amyl alcohol (tAA), ethyl-tert Butyl ether (EtBE), and ethyl alcohol (ethanol). The lateral extent of dissolved CoCs above RBSLs was delineated by the well network, and with the exception of benzene in deep well 01589 DW-1, the vertical extent was delineated. Surficial water samples were collected from nine established sampling points in and around the site, including standing pooled water and natural water courses. One of these (SW-4) was found to contain benzene above its RBSL. This sample location is standing water approximately 200 feet north of the site. The other eight sample locations did not contain detectable levels of CoCs.

In conjunction with the Tier II Assessment, private water wells within an approximately 2,000-foot radius of the site identified by SCDHEC personnel were sampled following permission from the owners. These wells, identified as WSW-1 through WSW-29, were variously sampled on 8/17/18 through 8/29/18, 9/27/18, 10/31/18 and 11/9/18. Results have indicated that no CoCs have been detected in any of these wells.

In conjunction with, and following the completion of the Tier II Assessment, there was as-needed vacuum skimming of any residual product atop standing water on the western side of US Highway 17, as well as monitoring and replaced of oil absorbent booms. ATC performed an aggressive fluid/vapor recovery (AFVR) treatment at SCDHEC's request on 12/17/18, resulting in the removal of 266 gallons of product.

Subsequent to the Tier II Assessment, SCDHEC, on 01/21/19 issued a directive for additional assessment and installation of recovery wells, followed by multiple AFVR events. Seven additional shallow monitoring wells were installed, as well as an additional six recovery wells. AFVR events were performed on several recovery and monitoring wells within the US Highway 17 median on the following

dates: 1/25/19, 2/19/19, 3/4/19, 3/18/19, and 4/8/19, and in on-site wells on 3/14/19. A total of 2,234 gallons of product was removed during these six events, yielding the total free product removal effort since initiation of emergency abatement procedures at 3,503 gallons.

Based on the findings to date, SCDHEC ranked the release as a category 1E, and determined that the next course of action was Active Corrective Action (ACA). SCDHEC, in consultation with Circle K, solicited performance-based lump sum bids for ACA from interested qualified UST contractors in a bid package dated 11/22/19. On 1/30/20, ATC was selected as the responsive winning contractor, and cost agreement no. 61117 was issued to Circle K for payment of ACA funding. Following acceptance of the contract, Circle K and SCDHEC directed ATC to perform a pre-ACA Groundwater Monitoring Event. This assessment was conducted in March of 2020, with results reported in the Initial Groundwater Monitoring Report dated 4/13/20. SCDHEC subsequently issued a Corrective Action Plan "Notice To Proceed" on 4/16/20.

ATC engaged its primary subcontractor, AST Environmental, Inc, of Midway, Kentucky (AST) to design and implement the injection of the carbon-based injectate, BOS 200®. AST is a licensed vendor of the BOS 200® system, with the patent held by RPI, Inc. (RPI) of Golden, Colorado. RPI supplies the raw materials and provides technical support. In October 2020, ATC and AST performed a Remedial Design Characterization (RDC) to collect additional soil and water quality data, to design the optimal grid spacing, injection intervals, concentrations and application rates. The RDC included the sampling of existing monitoring wells, gauging free product thickness where present, and collection of soil and groundwater samples from soil borings and temporary wells installed in the area of concern. Based on the results, AST proposed a dual phased approach, with Phase I focused on areas with LNAPL and benzene and total

volatile petroleum hydrocarbon results in soil in excess of 15 milligrams per Kilogram (mg/Kg) and 4,000 mg/Kg, respectively.

Phase I injection activities were undertaken in the period between February 18 and April 8, 2021. Phase I involved the injection of the BOS 200 injectate through a total of 560 injection points spread out over seven identified treatment zones, both on the Circle K site, and off-site in the median of US Highway 17 and on the north shoulder of US 17. A total volume of 35,500 pounds of the BOS 200® injectate were applied (along with 35,400 pounds of supplemental gypsum, 17,100 pounds of magnesium sulfate, 10,700 pounds of food-grade starch, and 605 pounds of yeast extract), with each injection point receiving injectate through either two or three discrete depth intervals, staggered to achieve maximum contact. Following completion of Phase I injections, ATC arranged for AFVR treatments on the recovery wells and monitoring wells which continued to contain LNAPL (including sub-grade road tar that had been dissolved and mobilized by the gasoline release) between April 27 and 29, 2021. A total of 2,300 gallons of product and contact water were removed.

During the period of January 17 through March 22, 2022, the Phase II program of injections were performed at the site. Further discussion of this injection is discussed in section **4.0** of the CASE report.

3.0 SITE EVALUATION

3.1 Free Product Measurements, Groundwater Flow

Water levels in all monitoring wells associated with the site were measured prior to sampling activities on March 28, 29 and 30, 2022. Water levels were measured with decontaminated electronic water-level indicators, from the top of PVC casing to the water surface in each well. Wells within the area of concern (identified as wells with previously assessed LNAPL and significantly high dissolved constituent concentrations) were measured with a decontaminated oil/water interface probe, as these wells had the greatest potential to contain free-phase petroleum product atop the water table. Depths to water (and product, if encountered) were subtracted from the elevation datum at the top of each well's PVC casing to determine the water table elevation. Well construction details and historic water-level and product-level data since November 2018 is presented as **Table 1**. The groundwater elevations were posted on the site base map and used to construct the groundwater flow maps for the site.

Two distinct hydrogeologic zones have been identified at the site by previous investigations. They are: shallow water table and deep surficial aquifer. Groundwater flow maps for the shallow surficial aquifer and the deeper portion of the surficial aquifer are presented as **Figure 3** and **Figure 4**, respectively.

Both groundwater flow maps indicate that the dominant direction of groundwater flow across the site is north to northwest, consistent with historical interpretations. Water levels appeared on the order of two to almost three feet higher on the site than in October 2021. The horizontal gradient, as calculated between wells 01589 MW-15 and 01589 MW-38, is $(16.19 - 13.77) / 350 \text{ ft.}$, or 0.0069. The vertical hydraulic gradient, as measured between paired shallow and deep cased wells, was downward between well pairs 01589 MW16/01589 DW-4

(0.3 ft.), 01589 MW-24/01589 DW-3 (0.4 ft.), and 01589MW-34/DMW-5 (0.15 ft.). Upward gradients were apparent between well pairs 01589 DMW-2/01589 MW-22 (0.1 ft.) and 01589 MW-1/DW-1 (0.09 ft.).

LNAPL was encountered in recovery wells 01589 RW-5, 01589 RW-6, 01589 RW-10, and 01589 RW-11. Relative to data measured in October, 2021, product thicknesses had decreased in wells 01589 RW-1 (0.07 ft. to non-detected), 01589 RW-5 (-0.09 ft.), 01589 RW-6 (-1.18 ft.), 01589 RW-7 (0.12 ft. to non-detected), 01589 RW-9 (0.06 ft. to non-detected), and 01589 MW-11 (-2.48 ft.). A slight LNAPL increase from October, 2021 was seen in 01589 RW-10 (+ 0.01 ft.). The LNAPL encountered in recovery well 01589 RW-11 was black and viscous, and appeared to be a mixture of gasoline product and tar dissolved by the gasoline from the asphalt subbase of the highway. Therefore, measurement of the apparent thickness could only be made by insertion of a bailer and measuring the visible accumulation.

3.2 Groundwater Sampling and Analyses

Groundwater samples were collected for analysis of chemicals of concern (COCs) on March 29 through 31, 2022. Samples were collected from all existing monitoring wells that were free of LNAPL at the site, including those with no established site-specific target levels (SSTLs). Samples were also collected from recovery wells with no measurable LNAPL.

Monitoring wells in which the static water levels were above the screened interval were purged of standing water prior to sample collection. Removal of three to five well casing volumes was performed on these wells. Measurements of field parameters (temperature, pH, specific conductivity, dissolved oxygen, turbidity) were made and recorded prior to sample collection. Wells in which the static water table was situated within the well's screened interval were sampled without purging, although a measurement of field parameters was made and recorded prior to sample collection. Field data information sheets for all sampled wells are presented in **Appendix A**. Water generated during pre-sample purging was placed into steel 55-gallon drums and removed for disposal at a SCDHEC-approved facility on May 4, 2022. Water samples were collected with dedicated and disposable PVC bailers, with water transferred into laboratory-supplied 40 milliliter (ml) VOA bottles contained approximately 2 ml of preservative (hydrochloric acid). The bottles were filled so that there was no air headspace in the containers when sealed, as per EPA protocol. Bottles were sealed, labelled and placed in an iced cooler to maintain temperatures as close as possible to 4°C.

Duplicate samples were collected from wells 01589 MW-2 and 01589 MW-33 concurrent with collection of the original samples. Field blanks were collected on March 29, 2022 by introduction of de-ionized water provided by the laboratory into an unused bailer, and transferring the water into sample containers. Trip blanks and temperature blanks were also shipped the laboratory, one per sample cooler, for all sampling events. The water samples for all sample dates were transported via courier to a SC-certified analytical laboratory (Pace Analytical, Huntersville, NC) for analysis. Standard chain-of-custody procedures were followed throughout the sampling process.

Groundwater samples from monitoring wells and quality control samples (duplicates, field and trip blanks) were analyzed in accordance with the CAP for the following COCs: benzene, toluene, ethylbenzene, total xylenes (m, o and p isomers), naphthalene, methyl tert-butyl ether (MTBE), 1,2 dichloroethane (1,2 DCA) and the eight SCDHEC-regulated oxygenates, by SW-846 Method 8260B.

Results are summarized for monitoring wells in **Table 2**. **Table 3** presents an historic summary since initiation of assessment and remediation for petroleum constituents (benzene, toluene, ethylbenzene, total xylenes, naphthalene) and additives (MTBE, and 1,2-dichloroethane), along with applicable site-specific target levels (SSTL's). Maps illustrating the extent of LNAPL and the isopleths for benzene (**Figure 5**), toluene (**Figure 6**), ethylbenzene (**Figure 7**), total xylenes (**Figure 8**), MTBE (**Figure 9**), and naphthalene (**Figure 10**) are attached.

The Laboratory Analytical Reports for all groundwater sampling data, including chain-of-custody documentation and quality assurance, are presented in **Appendix B**.

3.3 Surface Water Sampling and Analysis

Surface water sampling was also performed on March 29 and 30, 2022, from the established sampling points set out in the CAP. Surface water sample points are indicated on **Figure 11**, and includes sample locations situated northeast, north and west of the area of investigation. Samples were collected using either a Teflon dipper or a PVC bailer. Where deep pooled water was encountered the sample was collected through the entire depth profile. During the sampling event, it was observed that sample location 01589 SW-6 was dry, and no samples were collected. No duplicate samples were collected for surface water samples.

Surface water samples were analyzed in accordance with the CAP for the following COCs: BTEX, naphthalene, MTBE, and 1,2 DCA, and the eight SCDHEC - regulated oxygenates by SW-846 Method 8260B. Results are presented on **Table 6** and on **Figure 11**.

The Laboratory Analytical Reports for all surface water sampling data, including chain-of-custody documentation and quality assurance, are presented in **Appendix B**.

3.4 Water Well Sampling and Analysis

Selected water supply wells were sampled in accordance with the CAP. Well locations 01589 WSW-12, WSW-13, and WSW-16 were accessed for sampling on March 30 and 31, 2022.

Water wells were sampled through existing plumbing at the well head after allowing an approximate five-minute purge of the system before sample collection. A quality control duplicate was collected from water well 01589 WSW-12 on March 30, 2022. A trip blank accompanied the sample shipper.

Water well samples and quality control samples (duplicates, blanks) were analyzed in accordance with the CAP for the following COCs: BTEX, naphthalene, MTBE, and 1,2 DCA by EPA Method 524.2 (drinking water), and the eight SCDHEC-regulated oxygenates by SW-846 Method 8260B. Results are presented on **Table 5** and on **Figure 12**. The Laboratory Analytical Reports for water well sampling data, including chain-of-custody documentation and quality assurance, are presented in **Appendix B**.

3.5 Data Quality Objectives

To ensure adherence to the methodologies described in the QAPP Addendum, a Contractor Checklist (SCDHEC Programmatic QAPP Appendix K) was completed and is included in **Appendix C**. The project sample design, field procedures, and laboratory data were reviewed for quality assurance and data usability using the six data quality indicators (DQIs) described in Section A7 of the SCDHEC Programmatic QAPP requirements. The results of the quality assurance analysis are described below.

3.5.1 Precision

The precision of the laboratory data was evaluated by comparing the relative percent difference (RPD) between using a sample and a field duplicate sample. Field duplicate samples were collected from monitoring wells 01589 MW-2 and 01589 MW-33 and water supply well 01589 WSW-12. The duplicates were submitted for analysis of the same parameters as the original samples. The RPD was calculated using the formula:

$$RPD (\%) = \text{Absolute value of } \left(\frac{C_S - C_D}{(C_S + C_D) \div 2} \right) \times 100$$

Where: C_S = Concentration of the sample

C_D = Concentration of the duplicate sample

The RPDs were compared to the 20% RPD limit established in Appendix E of the SCDHEC Programmatic QAPP. The results of the Precision Analysis are included in **Table 8** for monitoring and recovery wells, **Table 9** for surface water samples, and **Table 10** for water wells. There were two instances where the 20% RPD was exceeded: tert-Amyl Alcohol between MW-2 and its duplicate (40%) and MTBE between MW-33 and its duplicate (31%). Analyses for MW-2/dup and MW-33/dup, required substantial sample dilutions which may have caused the deviations.

3.3.2 Bias

Bias analysis of the data can indicate accuracy of the laboratory measurement system. The results of the analysis of the field blanks indicate that there were no sources of error in the sampling process, preservation, handling, sample preparation and analytical techniques. No deficiencies were noted. The results of the bias analysis of the field and trip blanks are included in **Tables 8, 9 and 10**, respectively

3.3.3 Representativeness

The site monitoring well network was designed to allow representative samples to be collected from the site and the surrounding area. Field personnel have been instructed to log data, label containers, and enter samples on the chains-of-custody immediately upon collection to reduce potential for sample location or other representativeness errors. Proper preservation techniques, including preservative use and immediate icing of samples are also employed. Samples were collected and analyzed in accordance with the QAPPA. The data collected and presented in this report meet the Programmatic QAPP criteria for representativeness.

3.3.4 Completeness

The dataset meets the completeness criteria based on the purpose of the sampling event because each available monitoring well that did not contain

LNAPL, was accessible, and was not dry, was sampled. The purpose of the sampling event was to monitor the petroleum impact to groundwater.

3.3.5 Comparability

The results of laboratory analyses of groundwater at the site between 2018 and this event are included in this report. The samples were collected using similar field protocols, analyzed using the same EPA Methods, and the data are reported in micrograms per liter ($\mu\text{g/L}$) to allow for easy comparison. The comparability criteria are considered to be met.

3.3.6 Method Sensitivity

Laboratory method detection limits and reporting limits were reviewed and compared to the limits established in Appendix E of the SCDHEC Programmatic QAPP. The results of the Method Sensitivity analysis are included in **Tables 8, 9** and **10**, respectively. The following samples required dilutions due to high concentrations of certain constituents, so the sensitivity limits were not attained: samples from 01589 MW-1, 01589 MW-2, 01589 MW-7, 01589 MW-12, 01589 MW-13, 01589 MW-15, 01589 MW-33, 01589 RW-2, 01589 RW-3, 01589 RW-8, and 01589 RW-12.

4.0 PERFORMANCE METRICS

4.1 Remediation System Operation

Phase II of the BOS 200® injection program was initiated at the site between January 17 and March 22, 2022. A total of 536 injection points were installed within specified treatment zones (A through F) both on the Circle K site and offsite (US 17 median and north shoulder of US 17). The Phase II program resulted in the injection of 34,400 pounds of BOS 200® activated charcoal; substrate, along with an equal mass of CaSO₄ (gypsum), 16,500 pounds of MgSO₄, 6,900 pounds of food grade starch and 400 pounds of yeast extract. Limited AFVR treatments were conducted on recovery and monitoring well that had measurable LNAPL prior to and following treatment. The report of activities from AST Environmental, Inc. is included in **Appendix D**.

4.2 Groundwater COC Level Evaluation

Based on the results of the CASE sampling performed for the 1st half of 2022, the following observations are presented:

- > LNAPL was present in only four recovery wells at the site during this reporting period. LNAPL thicknesses have diminished in all but one recovery wells relative to October, 2021. With the exception of RW-11, LNAPL thicknesses are minimal (0.02 feet or less). The thickness in 01589 RW-11 is estimated due to its highly emulsified nature; however it has apparently been reduced by about half (from 4.94 to 2.46 feet) since October 2021.
- > Wells in which more than one COC remains above respective SSTLs during this reporting period include 01589 MW-1, 01589 MW-2, 01589 MW-6, 01589 MW-12, 01589 MW-15, 01589 MW-29, 01589 MW-33, and 01589 RW-12. In the following wells, only one COC was above its respective SSTL during this reporting period: 01589 MW-3, 01589 MW-7, 01589 MW-13, 01589 MW-32, and 01589 MW-38.

- > COCs were below detection in water supply well samples and surface water samples collected during this reporting period.

LNAPL accumulation, initially detected in two monitoring wells (01589 MW-6 and 01589 MW-33), and in 10 of the 12 recovery wells, has been reduced to being present in only four recovery wells during this reporting period. In all of these but one, LNAPL is at 0.04 feet or less in thickness. In the remaining well (01589 MW-11), LNAPL has decreased more than half of the thickness measured in October 2021. The calculation of dissolved COC mass reduction is presented as **Table 11**. The calculated reduction of current dissolved COC mass relative to initial mass above SSTL mass is estimated at **40.67%** for this reporting period.

5.0 SUMMARY

During this reporting period, Atlas sampled all monitoring wells associated with the site, including eight of the nine surface water locations and three of the four water wells specified in the CAP (one, 01589 WSW-15, has been determined to be decommissioned and will be removed from the sampling program). Phase I of the injection program was focused on LNAPL control, although there is some evidence of diminishing dissolved COC levels. Phase II was performed prior to the sampling reported for this period. There is evidence that significant remediation of LNAPL has occurred, and evidence that reduction in dissolved levels is underway by biological activity. Further activities are pending and will involve spot treatments of areas identified as recalcitrant.

In accordance with the sampling schedule presented in the CAP, the second semi-annual sampling of all wells will be conducted in September, 2022, and a CASE report of findings will be submitted.

TABLES

Table 1
Groundwater Elevation Data
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-1	11/22/2018	21.62	2.0 - 12.0	12.0	NM	4.82	0.00	16.80
	2/26/2019				NM	4.30	0.00	17.32
	3/11/2019				NM	4.53	0.00	17.09
	4/25/2019				NM	5.24	0.00	16.38
	7/8/2019				NM	4.17	0.00	17.45
	3/2/2020				NM	2.67	0.00	18.95
	4/20/2021				NM	5.09	0.00	16.53
	10/13/2021				NM	3.72	0.00	17.90
3/29/2022	NM	5.93	0.00	15.69				
01589 MW-2	11/22/2018	21.59	2.0 - 12.0	12.0	NM	4.93	0.00	16.66
	2/12/2019				NM	3.37	0.00	18.22
	2/26/2019				NM	3.83	0.00	17.76
	3/11/2019				NM	4.07	0.00	17.52
	4/25/2019				NM	4.99	0.00	16.60
	7/8/2019				NM	3.78	0.00	17.81
	3/2/2020				2.28	2.30	0.02	19.28
	4/20/2021				NM	4.87	0.00	16.72
	10/13/2021				NM	3.41	0.00	18.18
	3/29/2022				NM	5.75	0.00	15.84
01589 MW-3	11/22/2018	22.94	2.0 - 12.0	12.0	NM	5.47	0.00	17.47
	2/12/2019				NM	3.81	0.00	19.13
	2/26/2019				NM	4.29	0.00	18.65
	3/11/2019				NM	4.55	0.00	18.39
	4/25/2019				NM	5.31	0.00	17.63
	7/8/2019				NM	4.80	0.00	18.14
	3/2/2020				NM	3.10	0.00	19.84
	4/20/2021				NM	4.70	0.00	18.24
	10/13/2021				NM	4.01	0.00	18.93
	3/29/2022				NM	6.40	0.00	16.54
01589 MW-4	11/22/2018	22.80	2.0 - 12.0	12.0	NM	4.70	0.00	18.10
	2/26/2019				NM	4.46	0.00	18.34
	3/11/2019				NM	4.67	0.00	18.13
	4/25/2019				NM	5.33	0.00	17.47
	7/8/2019				NM	3.77	0.00	19.03
	3/2/2020				NM	2.73	0.00	20.07
	4/20/2021				NM	4.85	0.00	17.95
	10/13/2021				NM	3.41	0.00	19.39
	3/29/2022				NM	6.15	0.00	16.65
01589 MW-5	11/22/2018	23.57	2.0 - 12.0	12.0	NM	5.19	0.00	18.38
	2/26/2019				NM	4.46	0.00	19.11
	3/11/2019				NM	4.74	0.00	18.83
	4/25/2019				NM	5.41	0.00	18.16
	7/8/2019				NM	4.30	0.00	19.27
	3/2/2020				NM	3.13	0.00	20.44
	4/20/2021				NM	4.81	0.00	18.76
	10/13/2021				NM	3.68	0.00	19.89
	3/29/2022				NM	6.44	0.00	17.13
01589 MW-6	11/22/2018	19.33	2.0 - 12.0	12.0	2.30	3.06	0.76	16.83
	2/12/2019				2.22	2.16	0.06	17.21
	2/26/2019				2.77	2.96	0.19	16.51
	3/11/2019				0.00	3.02	0.00	16.31
	4/25/2019				3.66	3.72	0.06	15.57
	7/8/2019				2.62	2.71	0.09	16.55
	3/2/2020				1.16	2.25	1.09	16.27
	4/20/2021				3.47	3.62	0.15	15.60
	10/13/2021				2.00	2.32	0.32	16.77
	3/30/2022				4.39	4.39	0.00	14.94
01589 MW-7	11/22/2018	19.55	2.0 - 12.0	12.0	NM	2.98	0.00	16.57
	2/12/2019				NM	2.45	0.00	17.10
	2/26/2019				NM	2.84	0.00	16.71
	3/11/2019				NM	2.99	0.00	16.56
	4/25/2019				NM	3.61	0.00	15.94
	7/8/2019				NM	2.44	0.00	17.11
	3/2/2020				NM	1.80	0.00	17.75
	4/20/2021				NM	3.96	0.00	15.59
	10/14/2021				NM	2.33	0.00	17.22
	3/30/2022				NM	4.18	0.00	15.37

btoc = below top of casing

NM = no measurable product present

NA = not applicable

corrected water table elevation = TOC elev - DTW + (0.74)(product thickness)

* = product thickness measured through use of a bailer

Table 1
Groundwater Elevation Data
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-8	11/22/2018	19.14	2.0 - 12.0	12.0	NM	3.05	0.00	16.09
	2/26/2019				NM	2.80	0.00	16.34
	3/11/2019				NM	2.93	0.00	16.21
	4/25/2019				NM	3.64	0.00	15.50
	7/8/2019				NM	2.52	0.00	16.62
	3/2/2020				NM	1.52	0.00	17.62
	4/20/2021				NM	3.71	0.00	15.43
	10/14/2021				NM	2.21	0.00	16.93
	3/30/2022				NM	3.94	0.00	15.20
01589 MW-9	11/22/2018	16.50	2.0 - 12.0	12.0	NM	2.32	0.00	14.18
	2/26/2019				NM	2.77	0.00	13.73
	3/11/2019				NM	2.82	0.00	13.68
	4/25/2019				NM	3.33	0.00	13.17
	7/8/2019				NM	2.30	0.00	14.20
	3/2/2020				NM	2.03	0.00	14.47
	4/20/2021				well not found			
	10/14/2021				NM	2.37	0.00	14.13
	3/30/2022				NM	3.35	0.00	13.15
	01589 MW-10				11/22/2018	17.63	2.0 - 12.0	12.0
2/26/2019		NM	3.04	0.00	14.59			
3/11/2019		NM	3.04	0.00	14.59			
4/25/2019		NM	3.61	0.00	14.02			
7/8/2019		NM	2.73	0.00	14.90			
3/2/2020		NM	2.26	0.00	15.37			
4/20/2021		NM	3.92	0.00	13.71			
10/14/2021		NM	2.66	0.00	14.97			
3/30/2022		NM	3.53	0.00	14.10			
01589 MW-11		11/22/2018	18.13	2.0 - 12.0	12.0			
	2/26/2019	NM				3.03	0.00	15.10
	3/11/2019	NM				3.09	0.00	15.04
	4/25/2019	NM				3.76	0.00	14.37
	7/8/2019	NM				2.74	0.00	15.39
	3/2/2020	NM				2.36	0.00	15.77
	4/20/2021	NM				4.03	0.00	14.10
	10/14/2021	NM				2.54	0.00	15.59
	3/29/2022	NM				3.56	0.00	14.57
01589 MW-12	11/22/2018	21.38	2.0 - 12.0	12.0	NM	4.76	0.00	16.62
	2/12/2019				NM	3.70	0.00	17.68
	2/26/2019				NM	4.15	0.00	17.23
	3/11/2019				NM	4.36	0.00	17.02
	4/25/2019				NM	5.28	0.00	16.10
	7/8/2019				NM	3.97	0.00	17.41
	3/2/2020				NM	2.17	0.00	19.21
	4/20/2021				NM	5.19	0.00	16.19
	10/13/2021				NM	3.54	0.00	17.84
	3/29/2022				NM	5.83	0.00	15.55
01589 MW-13	11/22/2018	20.48	2.0 - 12.0	12.0	NM	4.07	0.00	16.41
	2/12/2019				NM	3.11	0.00	17.37
	2/26/2019				NM	3.54	0.00	16.94
	3/11/2019				NM	3.71	0.00	16.77
	4/25/2019				NM	4.70	0.00	15.78
	7/8/2019				NM	3.26	0.00	17.22
	3/2/2020				NM	1.95	0.00	18.53
	4/20/2021				NM	4.61	0.00	15.87
	10/13/2021				NM	2.74	0.00	17.74
	3/29/2022				NM	5.21	0.00	15.27
01589 MW-14	11/22/2018	23.45	2.0 - 12.0	12.0	NM	5.96	0.00	17.49
	2/26/2019				NM	4.60	0.00	18.85
	3/11/2019				NM	4.85	0.00	18.60
	4/25/2019				NM	5.92	0.00	17.53
	7/8/2019				NM	5.10	0.00	18.35
	3/2/2020				NM	3.17	0.00	20.28
	4/20/2021				NM	5.40	0.00	18.05
	10/13/2021				NM	4.20	0.00	19.25
	3/29/2022				NM	6.69	0.00	16.76

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* = product thickness measured through use of a bailer

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Groundwater Elevation Data
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-15	11/22/2018	22.82	2.0 - 12.0	12.0	NM	5.48	0.00	17.34
	2/26/2019				NM	4.41	0.00	18.41
	3/11/2019				NM	4.89	0.00	17.93
	4/25/2019				NM	5.95	0.00	16.87
	7/8/2019				NM	4.70	0.00	18.12
	3/2/2020				NM	3.05	0.00	19.77
	4/20/2021				NM	5.67	0.00	17.15
	10/13/2021				NM	4.12	0.00	18.70
3/29/2022	NM	6.63	0.00	16.19				
01589 MW-16	11/22/2018	21.18	2.0 - 12.0	12.0	NM	4.10	0.00	17.08
	2/12/2019				NM	2.89	0.00	18.29
	2/26/2019				NM	3.30	0.00	17.88
	3/11/2019				NM	3.59	0.00	17.59
	4/25/2019				NM	4.44	0.00	16.74
	7/8/2019				NM	3.04	0.00	18.14
	3/2/2020				NM	2.03	0.00	19.15
	4/20/2021				NM	4.45	0.00	16.73
10/13/2021	NM	2.61	0.00	18.57				
3/29/2022	NM	5.33	0.00	15.85				
01589 MW-17	11/22/2018	20.96	2.0 - 12.0	12.0	NM	4.04	0.00	16.92
	2/26/2019				NM	3.40	0.00	17.56
	3/11/2019				NM	3.68	0.00	17.28
	4/25/2019				NM	4.75	0.00	16.21
	7/8/2019				NM	3.09	0.00	17.87
	3/2/2020				NM	1.75	0.00	19.21
	4/20/2021				NM	4.65	0.00	16.31
	10/13/2021				NM	2.74	0.00	18.22
3/29/2022	NM	5.39	0.00	15.57				
01589 MW-18	11/22/2018	20.05	2.0 - 12.0	12.0	NM	3.86	0.00	16.19
	2/26/2019				NM	3.44	0.00	16.61
	3/11/2019				NM	3.56	0.00	16.49
	4/25/2019				NM	4.59	0.00	15.46
	7/8/2019				NM	3.29	0.00	16.76
	3/2/2020				NM	3.07	0.00	16.98
	4/20/2021				NM	4.62	0.00	15.43
	10/13/2021				NM	2.68	0.00	17.37
3/29/2022	NM	5.17	0.00	14.88				
01589 MW-19	11/22/2018	19.82	2.0 - 12.0	12.0	NM	3.71	0.00	16.11
	2/26/2019				NM	2.74	0.00	17.08
	3/11/2019				NM	2.70	0.00	17.12
	4/25/2019				NM	4.71	0.00	15.11
	7/8/2019				NM	3.05	0.00	16.77
	3/2/2020				NM	1.86	0.00	17.96
	4/20/2021				NM	4.72	0.00	15.10
	10/13/2021				NM	2.30	0.00	17.52
3/29/2022	NM	5.22	0.00	14.60				
01589 MW-20	11/22/2018	18.53	2.0 - 12.0	12.0	NM	2.71	0.00	15.82
	2/26/2019				NM	2.60	0.00	15.93
	3/11/2019				NM	2.76	0.00	15.77
	4/25/2019				NM	3.74	0.00	14.79
	7/8/2019				NM	2.19	0.00	16.34
	3/2/2020				NM	0.80	0.00	17.73
	4/20/2021				NM	3.78	0.00	14.75
	10/13/2021				NM	1.48	0.00	17.05
3/29/2022	NM	4.13	0.00	14.40				
01589 MW-21	11/22/2018	16.16	2.0 - 12.0	12.0	NM	1.34	0.00	14.82
	2/26/2019				NM	0.00	0.00	16.16
	3/11/2019				NM	0.99	0.00	15.17
	4/25/2019				NM	1.24	0.00	14.92
	7/8/2019				NM	0.25	0.00	15.91
	3/2/2020				NM	0.00	0.00	16.16
	4/20/2021				NM	2.35	0.00	13.81
	10/14/2021				NM	0.50	0.00	15.66
3/28/2022	NM	2.32	0.00	13.84				

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Groundwater Elevation Data
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-22	11/22/2018	18.79	2.0 - 12.0	12.0	NM	3.96	0.00	14.83
	2/26/2019				NM	3.97	0.00	14.82
	3/11/2019				NM	4.10	0.00	14.69
	4/25/2019				NM	5.03	0.00	13.76
	7/8/2019				NM	3.56	0.00	15.23
	3/2/2020				NM	2.17	0.00	16.62
	4/20/2021				NM	5.16	0.00	13.63
	10/14/2021				NM	3.03	0.00	15.76
3/28/2022	NM	5.19	0.00	13.60				
01589 MW-23	11/22/2018	22.36	5.0 - 15.0	15.0	NM	7.61	0.00	14.75
	2/26/2019				NM	7.33	0.00	15.03
	3/11/2019				NM	7.49	0.00	14.87
	4/25/2019				NM	8.50	0.00	13.86
	7/8/2019				NM	7.24	0.00	15.12
	3/2/2020				NM	4.89	0.00	17.47
	4/20/2021				NM	8.71	0.00	13.65
	10/14/2021				NM	6.46	0.00	15.90
3/29/2022	NM	8.78	0.00	13.58				
01589 MW-24	11/22/2018	22.50	5.0 - 15.0	15.0	NM	6.96	0.00	15.54
	2/12/2019				NM	6.46	0.00	16.04
	2/26/2019				NM	6.81	0.00	15.69
	3/11/2019				NM	6.99	0.00	15.51
	4/25/2019				NM	7.97	0.00	14.53
	7/8/2019				NM	6.61	0.00	15.89
	3/2/2020				NM	4.83	0.00	17.67
	4/20/2021				NM	8.05	0.00	14.45
10/15/2021	NM	5.83	0.00	16.67				
3/29/2022	NM	8.02	0.00	14.48				
01589 MW-25	11/22/2018	16.46	2.0 - 12.0	12.0	NM	0.22	0.00	16.24
	2/26/2019				NM	1.37	0.00	15.09
	3/11/2019				NM	1.24	0.00	15.22
	4/25/2019				NM	1.90	0.00	14.56
	7/8/2019				NM	0.78	0.00	15.68
	3/2/2020				NM	0.00	0.00	16.46
	4/20/2021				NM	1.95	0.00	14.51
	10/15/2021				NM	0.79	0.00	15.67
3/29/2022	NM	2.09	0.00	14.37				
01589 MW-26	11/22/2018	21.36	5.0 - 15.0	15.0	NM	6.96	0.00	14.40
	2/26/2019				NM	6.96	0.00	14.40
	3/11/2019				NM	7.15	0.00	14.21
	4/25/2019				NM	8.37	0.00	12.99
	7/8/2019				NM	6.38	0.00	14.98
	3/2/2020				NM	4.31	0.00	17.05
	4/20/2021				NM	8.60	0.00	12.76
	10/14/2021				NM	5.72	0.00	15.64
3/28/2022	NM	8.32	0.00	13.04				
01589 MW-27	11/22/2018	20.77	5.0 - 15.0	15.0	NM	6.97	0.00	13.80
	2/26/2019				NM	7.31	0.00	13.46
	3/11/2019				NM	7.44	0.00	13.33
	4/25/2019				NM	8.31	0.00	12.46
	7/8/2019				NM	6.70	0.00	14.07
	3/2/2020				NM	4.74	0.00	16.03
	4/20/2021				NM	8.52	0.00	12.25
	10/14/2021				NM	5.86	0.00	14.91
3/29/2022	NM	2.94	0.00	17.83				
01589 MW-28	11/22/2018	18.18	2.0 - 12.0	12.0	NM	5.02	0.00	13.16
	2/26/2019				NM	4.93	0.00	13.25
	3/11/2019				NM	5.01	0.00	13.17
	4/25/2019				NM	5.69	0.00	12.49
	7/8/2019				NM	4.81	0.00	13.37
	3/2/2020				NM	3.12	0.00	15.06
	4/20/2021				NM	5.78	0.00	12.40
	10/15/2021				NM	4.12	0.00	14.06
3/29/2022	NM	5.52	0.00	12.66				

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Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-29	11/22/2018	22.35	5.0 - 15.0	15.0	NM	7.01	0.00	15.34
	2/26/2019				NM	6.68	0.00	15.67
	3/11/2019				NM	6.84	0.00	15.51
	4/25/2019				NM	4.93	0.00	17.42
	7/8/2019				NM	6.62	0.00	15.73
	3/2/2020				NM	4.24	0.00	18.11
	4/20/2021				NM	8.02	0.00	14.33
	10/14/2021				NM	5.73	0.00	16.62
3/29/2022	NM	8.05	0.00	14.30				
01589 MW-30	11/22/2018	18.06	2.0 - 12.0	12.0	NM	3.27	0.00	14.79
	2/26/2019				NM	3.30	0.00	14.76
	3/11/2019				NM	3.44	0.00	14.62
	4/25/2019				NM	4.38	0.00	13.68
	7/8/2019				NM	2.89	0.00	15.17
	3/2/2020				NM	1.74	0.00	16.32
	4/20/2021				NM	4.51	0.00	13.55
	10/14/2021				NM	2.36	0.00	15.70
3/28/2022	NM	4.52	0.00	13.54				
01589 MW-31	11/22/2018	23.28	2.0 - 12.0	12.0	NM	7.64	0.00	15.64
	2/26/2019				NM	7.58	0.00	15.70
	3/11/2019				NM	7.69	0.00	15.59
	4/25/2019				NM	8.55	0.00	14.73
	7/8/2019				NM	7.21	0.00	16.07
	3/2/2020				NM	5.91	0.00	17.37
	4/20/2021				NM	8.78	0.00	14.50
	10/15/2021				NM	6.73	0.00	16.55
3/29/2022	NM	7.02	0.00	16.26				
01589 MW-32	2/26/2019	22.80	3.0-13.0	13.0	NM	4.64	0.00	18.16
	3/11/2019				NM	4.97	0.00	17.83
	4/25/2019				NM	5.59	0.00	17.21
	7/8/2019				NM	4.97	0.00	17.83
	3/2/2020				NM	3.52	0.00	19.28
	4/20/2021				NM	5.03	0.00	17.77
	10/13/2021				NM	4.32	0.00	18.48
	3/29/2022				NM	6.62	0.00	16.18
01589 MW-33	2/26/2019	22.26	3.0-13.0	13.0	NM	4.30	0.00	17.96
	3/11/2019				NM	4.54	0.00	17.72
	4/25/2019				NM	5.46	0.00	16.80
	7/8/2019				4.37	4.48	0.11	17.86
	3/2/2020				NM	4.48	0.00	17.78
	4/20/2021				5.13	5.31	0.18	17.08
	10/13/2021				NM	3.88	0.00	18.38
	3/29/2022				NM	6.23	0.00	16.03
01589 MW-34	2/26/2019	26.56	3.0-13.0	13.0	NM	8.08	0.00	18.48
	3/11/2019				NM	8.35	0.00	18.21
	4/25/2019				NM	9.43	0.00	17.13
	7/8/2019				NM	8.11	0.00	18.45
	3/2/2020				NM	6.55	0.00	20.01
	4/20/2021				NM	9.15	0.00	17.41
	10/15/2021				NM	7.53	0.00	19.03
	3/29/2022				NM	10.22	0.00	16.34
01589 MW-35	2/26/2019	25.15	3.0-13.0	13.0	NM	6.85	0.00	18.30
	3/11/2019				NM	7.11	0.00	18.04
	4/25/2019				NM	8.33	0.00	16.82
	7/8/2019				NM	6.92	0.00	18.23
	3/2/2020				NM	5.20	0.00	19.95
	4/20/2021				NM	8.01	0.00	17.14
	10/15/2021				NM	6.27	0.00	18.88
	3/29/2022				NM	9.03	0.00	16.12
01589 MW-36	2/26/2019	19.00	3.0-13.0	13.0	NM	2.60	0.00	16.40
	3/11/2019				NM	2.76	0.00	16.24
	4/25/2019				NM	3.66	0.00	15.34
	7/8/2019				NM	2.21	0.00	16.79
	3/2/2020				NM	1.06	0.00	17.94
	4/20/2021				NM	3.59	0.00	15.41
	10/14/2021				NM	1.83	0.00	17.17
	3/30/2022				NM	4.22	0.00	14.78

btoc = below top of casing

NM = no measurable product present

NA = not applicable

corrected water table elevation = TOC elev - DTW + (0.74)(product thickness)

* = product thickness measured through use of a bailer

Table 1
Groundwater Elevation Data
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-37	2/26/2019	23.01	3.0-13.0	13.0	NM	8.31	0.00	14.70
	3/11/2019				NM	8.51	0.00	14.50
	4/25/2019				NM	9.72	0.00	13.29
	7/8/2019				NM	8.03	0.00	14.98
	3/2/2020				NM	5.65	0.00	17.36
	4/20/2021				NM	9.81	0.00	13.20
	10/14/2021				NM	7.17	0.00	15.84
	3/29/2022				NM	9.28	0.00	13.73
01589 MW-38	2/26/2019	23.25	3.0-13.0	13.0	NM	8.19	0.00	15.06
	3/11/2019				NM	8.36	0.00	14.89
	4/25/2019				NM	9.50	0.00	13.75
	7/8/2019				NM	8.01	0.00	15.24
	3/2/2020				NM	5.82	0.00	17.43
	4/20/2021				NM	9.60	0.00	13.65
	10/14/2021				NM	7.08	0.00	16.17
	3/29/2022				NM	9.48	0.00	13.77
01589 DMW-1	11/22/2018	21.84	34.0 - 39.0	39.0	NM	5.11	0.00	16.73
	2/26/2019				NM	4.87	0.00	16.97
	3/11/2019				NM	4.94	0.00	16.90
	4/25/2019				NM	5.81	0.00	16.03
	7/8/2019				NM	4.13	0.00	17.71
	3/2/2020				NM	3.29	0.00	18.55
	4/20/2021				NM	5.97	0.00	15.87
	10/14/2021				NM	2.87	0.00	18.97
3/29/2022	NM	6.32	0.00	15.52				
01589 DMW-2	11/22/2018	18.81	34.0 - 39.0	39.0	NM	8.25	0.00	10.56
	2/26/2019				NM	3.81	0.00	15.00
	3/11/2019				NM	3.89	0.00	14.92
	4/25/2019				NM	4.91	0.00	13.90
	7/8/2019				NM	3.49	0.00	15.32
	3/2/2020				NM	2.19	0.00	16.62
	4/20/2021				NM	5.06	0.00	13.75
	10/15/2021				NM	2.87	0.00	15.94
3/29/2022	NM	5.11	0.00	13.70				
01589 DMW-3	11/22/2018	23.33	35.0 - 40.0	40.0	NM	3.65	0.00	19.68
	2/26/2019				NM	8.20	0.00	15.13
	3/11/2019				NM	8.34	0.00	14.99
	4/25/2019				NM	9.13	0.00	14.20
	7/8/2019				NM	7.92	0.00	15.41
	3/2/2020				NM	6.71	0.00	16.62
	4/20/2021				NM	9.27	0.00	14.06
	10/15/2021				NM	7.40	0.00	15.93
3/29/2022	NM	9.25	0.00	14.08				
01589 DMW-4	7/8/2019	21.13	40.0 - 45.0	45.0	NM	4.30	0.00	16.83
	3/2/2020				NM	3.78	0.00	17.35
	4/20/2021				NM	4.91	0.00	16.22
	10/13/2021				NM	2.86	0.00	18.27
	3/30/2022				NM	5.58	0.00	15.55
01589 DMW-5	7/8/2019	26.38	38.0 - 43.0	43.0	NM	8.06	0.00	18.32
	3/2/2020				NM	6.88	0.00	19.50
	4/20/2021				NM	9.27	0.00	17.11
	10/15/2021				NM	7.56	0.00	18.82
	3/30/2022				NM	10.19	0.00	16.19
01589 RW-1	11/22/2018	21.63	2.0 - 12.0	12.0	NM	4.68	0.00	16.95
	2/26/2019				4.01	4.71	0.70	17.44
	3/11/2019				NM	4.43	0.00	17.20
	4/25/2019				NM	5.15	0.00	16.48
	7/8/2019				NM	4.05	0.00	17.58
	3/2/2020				2.35	3.16	0.81	17.87
	4/20/2021				4.95	5.08	0.13	15.59
	10/13/2021				3.59	3.66	0.07	15.64
	3/30/2022				5.94	5.94	0.00	15.69

btoc = below top of casing

NM = no measurable product present

NA = not applicable

corrected water table elevation = TOC elev - DTW + (0.74)(product thickness)

* = product thickness measured through use of a bailer

Table 1
Groundwater Elevation Data
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 RW-2	11/22/2018	21.51	2.0 - 12.0	12.0	NM	4.28	0.00	17.23
	2/26/2019				3.91	3.95	0.04	17.59
	3/11/2019				4.20	4.24	0.04	17.30
	4/25/2019				NM	4.69	0.00	16.82
	7/8/2019				2.22	2.78	0.56	19.14
	4/20/2021				4.34	4.40	0.06	17.15
	10/13/2021				NM	3.18	0.00	18.33
	3/30/2022				0.00	5.99	0.00	15.52
01589 RW-3	11/22/2018	21.95	2.0 - 12.0	12.0	NM	4.60	0.00	17.35
	2/26/2019				NM	4.36	0.00	17.59
	3/11/2019				NM	4.58	0.00	17.37
	4/25/2019				NM	5.14	0.00	16.81
	7/8/2019				3.80	5.36	1.56	17.74
	3/2/2020				2.75	3.31	0.56	18.23
	4/20/2021				4.77	4.83	0.06	17.08
	10/13/2021				NM	3.66	0.00	18.29
	3/30/2022				0.00	5.54	0.00	16.41
	01589 RW-4				11/22/2018	21.80	2.0 - 12.0	12.0
2/26/2019		NM	3.70	0.00	18.10			
3/11/2019		NM	3.88	0.00	17.92			
4/25/2019		NM	4.49	0.00	17.31			
7/8/2019		NM	3.38	0.00	18.42			
3/2/2020		NM	2.12	0.00	19.68			
4/20/2021		NM	4.15	0.00	17.65			
10/13/2021		NM	2.96	0.00	18.84			
3/30/2022		0.00	5.42	0.00	16.38			
01589 RW-5		11/22/2018	19.76	2.0 - 12.0	12.0			
	2/26/2019	2.52				3.11	0.59	17.09
	3/11/2019	2.76				3.31	0.55	16.86
	4/25/2019	3.25				5.02	1.77	16.05
	7/8/2019	2.08				3.72	1.64	17.25
	3/2/2020	0.35				2.87	2.52	15.03
	4/20/2021	3.27				4.02	0.75	15.19
	10/13/2021	1.98				2.11	0.13	17.55
	3/30/2022	4.25				4.29	0.04	15.44
	01589 RW-6	11/22/2018				19.20	2.0 - 12.0	12.0
2/26/2019		1.91	4.09	2.18	16.72			
3/11/2019		2.52	2.98	0.46	16.56			
4/25/2019		2.95	4.67	1.72	15.80			
7/8/2019		1.70	3.70	2.00	14.02			
3/2/2020		0.37	2.04	1.67	15.92			
4/20/2021		2.85	3.22	0.37	15.71			
10/13/2021		1.37	2.56	1.19	15.76			
3/30/2022		3.91	3.92	0.01	15.27			
01589 RW-7		2/26/2019	21.53	3.0-13.0	13.0			
	3/11/2019	NM				4.66	0.00	16.87
	4/25/2019	NM				5.37	0.00	16.16
	7/8/2019	4.12				4.57	0.45	16.63
	3/2/2020	2.84				3.00	0.16	18.41
	4/20/2021	5.17				5.37	0.20	16.01
	10/13/2021	3.70				3.82	0.12	17.62
	3/30/2022	6.10				6.10	0.00	15.43
01589 RW-8	2/26/2019	18.67	3.0-13.0	13.0	2.30	2.31	0.01	16.37
	3/11/2019				2.47	2.48	0.01	16.20
	4/25/2019				3.25	4.36	1.11	15.13
	7/8/2019				2.07	2.37	0.30	16.08
	3/2/2020				0.00	1.35	0.00	17.32
	4/20/2021				3.07	3.60	0.53	14.68
	10/14/2021				NM	1.59	0.00	17.08
	3/30/2022				0.00	4.10	0.00	14.57
01589 RW-9	2/26/2019	19.36	3.0-13.0	13.0	2.90	3.14	0.24	16.40
	3/11/2019				3.11	3.21	0.10	16.22
	4/25/2019				3.42	5.15	1.73	15.49
	7/8/2019				2.75	3.61	0.86	16.39
	3/2/2020				NM	2.24	0.00	17.12
	4/20/2021				3.75	3.87	0.12	15.58
	10/14/2021				2.21	2.27	0.06	17.13
	3/30/2022				4.44	4.44	0.00	14.92

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corrected water table elevation = TOC elev - DTW + (0.74)(product thickness)

* = product thickness measured through use of a bailer

Table 1
Groundwater Elevation Data
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 RW-10	2/26/2019	17.00	3.0-13.0	13.0	2.00	3.99	1.99	14.48
	3/11/2019				2.28	2.61	0.33	14.63
	4/25/2019				3.00	4.57	1.57	13.59
	7/8/2019				2.07	3.44	1.37	12.55
	3/2/2020				1.61	2.18	0.57	14.40
	4/20/2021				3.09	3.31	0.22	13.53
	10/14/2021				1.71	1.72	0.01	15.27
	3/30/2022				3.87	3.89	0.02	13.10
01589 RW-11	2/26/2019	17.49	1.0-6.0	6.0	1.39	1.80	0.41	15.99
	3/11/2019				not gauged		0.50*	NM
	4/25/2019				not gauged		1.30*	NM
	7/8/2019				1.05	2.55	1.50	13.83
	3/2/2020				not gauged		6.00	NM
	4/20/2021				2.26	2.94	0.68	14.05
	10/15/2021				1.06	6.00	4.94	7.83
	3/30/2022				0.01	2.47	2.46	13.20
01589 RW-12	2/26/2019	17.05	1.0-6.0	6.0	NM	1.09	NA	15.96
	3/11/2019				NM	1.19	NA	15.86
	4/25/2019				NM	2.06	NA	14.99
	7/8/2019				NM	0.86	NA	16.19
	3/2/2020				not gauged		NA	NM
	4/20/2021				NM	2.07	0.00	14.98
	10/15/2021				NM	0.50	0.00	16.55
	3/30/2022				0.00	2.43	0.00	14.62

btoc = below top of casing

NM = no measurable product present

NA = not applicable

corrected water table elevation = TOC elev - DTW + (0.74)(product thickness)

* = product thickness measured through use of a bailer

Table 2
Groundwater Analytical Data
1st Half 2021
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		5.0	1,000	700	10,000	40.0	25.0	5,000	NE	150	10,000	1,400	240	128	47.0	NE
01589 MW-1	3/29/2022	5,570	14,800	983	4,490	479	125	<100	<10,000	<100	44,400	<10,000	9,740 J	<1,000	<1,000	<5,000
01589 MW-2	3/29/2022	8,610	18,100	1,230	6,040	483	140	<125	<12,500	<125	<25,000	<12,500	25,000	<1,250	<1,250	<6,250
01589 MW-3	3/29/2022	12.3	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-4	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-5	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-6	3/29/2022	11,700	21,400	1,850	9,910	1,410	256	<200	<20,000	<200	<40,000	<20,000	22,000	<2,000	<2,000	<10,000
01589 MW-7	3/29/2022	465	761	132	969	<5	28.7	<5	<500	<5	<1,000	<500	538	<50	<50	<250
01589 MW-8	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-9	3/29/2022	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-10	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-11	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-12	3/29/2022	2,450	27.8	163	42.3	<12.5	8.1 J	<12.5	<1,250	<12.5	<2,500	<1,250	<1,250	<125	40.8 J	<625
01589 MW-13	3/29/2022	17	0.74 J	69	29	<1.0	16.9	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-14	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	627	<100	<100	<10.0	<10.0	<50.0
01589 MW-15	3/29/2022	3,310	9,740	889	3,980	<50	77.9	<50	<5,000	<50	<10,000	<5,000	4,930 J	<500	<500	<2,500
01589 MW-16	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-17	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-18	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-19	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-20	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-21	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-22	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
RBSL		5.0	1,000	700	10,000	40.0	25.0	5,000	NE	150	10,000	1,400	240	128	47.0	NE

Notes:

Units = ug/L

c = Not detected at or above the laboratory reporting limit

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

Table 2
Groundwater Analytical Data
1st Half 2021
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Napthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		5.0	1,000	700	10,000	40.0	25.0	5,000	NE	150	10,000	1,400	240	128	47.0	NE
01589 MW-23	3/29/2022	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<100	0.39 J	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-24	3/29/2022	<1.0	<1.0	<1.0	<1.0	9.8	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-25	3/29/2022	<1.0	<1.0	<1.0	<1.0	6.4	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-26	3/29/2022	<1.0	<1.0	<1.0	<1.0	7.4	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-27	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-28	3/29/2022	<1.0	<1.0	<1.0	<1.0	1	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-29	3/29/2022	1.2	<1.0	<1.0	<1.0	111	<1.0	<1.0	<100	1.5	<200	377	910	<10.0	40.5	<50.0
01589 MW-30	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-31	3/29/2022	<1.0	<1.0	<1.0	<1.0	2.7	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-32	3/29/2022	127	1.7	1.3	10.4	4.4	0.86J	<1.0	<100	<1.0	<200	<100	97.9 J	2.7 J	12.9	<50.0
01589 MW-33	3/29/2022	10,400	23,000	1,700	9,020	280	136 J	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000
01589 MW-34	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-35	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-36	3/29/2022	<1.0	<1.0	0.6 J	<1.0	<1.0	<1.0	<1.0	<100	0.38 J	<200	52 J	798	<10.0	<10.0	<50.0
01589 MW-37	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-38	3/29/2022	33	<1.0	2.1	<1.0	9	<1.0	<1.0	<100	0.33 J	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-1	3/29/2022	0.58 J	<1.0	<1.0	<1.0	0.43 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-2	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-3	3/29/2022	<1.0	<1.0	<1.0	<1.0	0.72 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-4	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-5	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 RW-1	3/30/2022	9,810	17,500	840	5,020	1,310	<200	<200	<20,000	<200	105,000	<20,000	20.5	<2,000	<2,000	<10,000
01589 RW-2	3/30/2022	3,170	14,100	1,430	7,400	<500	<500	<500	<50,000	<500	3,850,000	<50,000	<50,000	<5,000	<5,000	<25,000
01589 RW-3	3/30/2022	10,500	29,400	2,150	11,900	274	318	<200	<20,000	<200	<40,000	<20,000	23,100	<2,000	<2,000	<10,000
01589 RW-4	3/30/2022	0.93 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
RBSL		5.0	1,000	700	10,000	40.0	25.0	5,000	NE	150	10,000	1,400	240	128	47.0	NE

Notes:

Units = ug/L

*< = Not detected at or above the laboratory reporting limit

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

Table 2
Groundwater Analytical Data
1st Half 2021
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-butyl ether	tert-Butyl formate
RBSL		5.0	1,000	700	10,000	40.0	25.0	5.000	NE	150	10,000	1,400	240	128	47.0	NE
01589 RW-5	3/30/2022	no sample due to free product														
01589 RW-6	3/30/2022	no sample due to free product														
01589 RW-7	3/30/2022	14,600	24,100	1,130	9,820	447	228	<200	<20,000	<200	<40,000	<20,000	26,500	<2,000	<2,000	<10,000
01589 RW-8	3/30/2022	1,580	3,630	396	4,170	62.3	187	<20	<2,000	<20	<4,000	<2,000	3,900	<200	<200	<1,000
01589 RW-9	3/30/2022	2,760	5,890	459	2,450	714	69.7	<50.0	<5,000	<50.0	233,000	2,240 J	19,200	<500	204 J	<2,500
01589 RW-10	3/30/2022	no sample due to free product														
01589 RW-11	3/30/2022	no sample due to free product														
01589 RW-12	3/30/2022	2,960	6,480	597	4,900	83.5	109	<50.0	<5,000	<50.0	<10,000	<5,000	2,940 J	<500	<500	<2,500
RBSL		5.0	1,000	700	10,000	40.0	25.0	5.000	NE	150	10,000	1,400	240	128	47.0	NE

Notes:

Units = µg/L

*< = Not detected at or above the laboratory reporting limit

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

**Table 3
Historical Groundwater Results
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589**

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)									
		Benzene	Toluene	Ethylbenzene	Xylenes Total	Methyl tert-butyl ether	Napthalene	1,2-Dichloroethane (1,2-DCA)	ethyl tert-butyl alcohol	Dialpropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-butyl ether	tert-Butyl formate		
01589 MW-28	3/29/2022	<1.0	<1.0	<1.0	<1.0	1	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	4/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	11/28/2018	<1.0	<1.0	<1.0	<1.0	0.43J	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<10.0	<5.0		
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--		
01589 MW-29	3/29/2022	1.2	<1.0	<1.0	<1.0	111	<1.0	<1.0	<100	1.5	<200	377	910	<10.0	40.5	<50.0		
	10/14/2021	1.7	<1.0	2	<1.0	20.4	<1.0	<1.0	<100	<1.0	<200	55.7 J	188	<10.0	7.4 J	<50.0		
	4/21/2021	0.8 J	<1.0	<1.0	<1.0	45	<1.0	<1.0	<100	0.62 J	<200	92 J	236	2.9 J	16	<50.0		
	03/03/2020	10.4	<1.0	<1.0	<1.0	28.9	<1.0	<1.0	<100	0.41 J	<200	63.3 J	87.2 J	<10.0	8.8 J	<50.0		
	07/09/2019	2.2	<1.0	<1.0	<1.0	7.4	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	11/29/2018	55	<1.0	<1.0	<1.0	84	<1.0	<1.0	<20.0	1	<100	150	190	5.7 J	27	<5.0		
	SSTL	5	5	5	10	7	5	--	--	--	1,000	100	100	--	100	--		
01589 MW-30	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<10.0	<5.0		
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--		
01589 MW-31	3/29/2022	<1.0	<1.0	<1.0	<1.0	2.7	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	4/22/2021	<1.0	<1.0	<1.0	<1.0	0.99 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	03/03/2020	<1.0	<1.0	<1.0	<1.0	0.36 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	11/28/2018	<1.0	<1.0	<1.0	<1.0	4.4	2.6	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	3.5	<5.0		
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--		
01589 MW-32	3/29/2022	127	2	1	10	4.4	0.86J	<1.0	<100	<1.0	<200	<100	97.9 J	2.7 J	12.9	<50.0		
	10/13/2021	366	1.5 J	4.4	13.6	8.5	<2.0	<2.0	<200	<2.0	<400	137 J	655	6.5 J	10.7 J	<100		
	4/22/2021	144	0.59 J	0.51 J	2	7.6	2.1	<1.0	<100	<2.0	<400	74.2 J	222	4.3 J	7.6 J	<50.0		
	03/03/2020	340	2.1	3.2	15.4	5.9	1.6 J	<2.0	<200	<2.0	<400	<200	181 J	<20.0	9.2 J	<100		
	07/09/2019	306	9.3	9.7	17.1	11.4	<2.0	<2.0	<200	<2.0	<400	<200	284	<20.0	<20.0	<100		
	SSTL	13	9	10	17	11	2	--	--	--	1,000	200	284	--	100	--		
	01589 MW-33	3/29/2022	10,400	23,000	1,700	9,020	280	136 J	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000	
10/13/2021		7,020	24,600	2,090	15,600	140 J	373	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000		
5/13/2021		9,730	22,900	1,760	7,870	273	194	<125	<12,500	<125	<25,000	<12,500	8,710 J	<1,250	<1,250	<6,250		
03/04/2020		4,180	13,200	1,760	8,670	57.5 J	356	<125	<12,500	<125	<25,000	<12,500	<12,500	<1,250	<1,250	<6,250		
07/08/2019								0.11 feet of free product										
SSTL	6	1,205	759	11,013	57	26	--	--	--	25,000	1,795	265	--	56	--			
01589 MW-34	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	03/04/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	1.1	<200	<100	<100	<10.0	<10.0	<50.0		
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--		
	01589 MW-35	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
10/14/2021		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
4/21/2021		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
03/04/2020		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
07/10/2019		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
SSTL		5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--		
01589 MW-36		3/29/2022	<1.0	<1.0	0.6 J	<1.0	<1.0	<1.0	<1.0	<100	0.38 J	<200	52 J	798	<10.0	<10.0	<50.0	
	10/14/2021	0.37 J	<1.0	1	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	120	<10.0	<10.0	<50.0		
	4/21/2021	1.3	<1.0	4	<1.0	<1.0	0.73 J	<1.0	<100	<1.0	<200	<100	197	<10.0	<10.0	<50.0		
	03/04/2020	1.3	10.0	59.9	67	<1.0	7.3	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	07/10/2019	14.5	102	113	223	<1.0	12.9	<1.0	<100	<1.0	<200	<100	148	<10.0	<10.0	<50.0		
	SSTL	6	102	113	223	5	13	--	--	--	1,000	100	148	--	100	--		
	01589 MW-37	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
10/14/2021		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
4/22/2021		2.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
03/03/2020		<1.0	<1.0	<1.0	<1.0	<1.0	0.65 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
07/10/2019		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
SSTL		5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--		
01589 MW-38		3/29/2022	33	<1.0	2.1	<1.0	9	<1.0	<1.0	<100	0.33 J	<200	<100	<100	<10.0	<10.0	<50.0	
	10/14/2021	4.8	<1.0	2.1	<1.0	25.4	<1.0	<1.0	<100	0.75 J	<200	86.7 J	143	<10.0	8.8 J	<50.0		
	4/21/2021	10	<1.0	<1.0	<1.0	3.7	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	03/03/2020	41.1	<1.0	<1.0	<1.0	3.1	1.5	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0		
	07/09/2019	73.6	<1.0	<1.0	2.1	11.2	<1.0	<1.0	<100	<1.0	<200	<100	138	<10.0	<10.0	<50.0		
	SSTL	74	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--		

Table 3
Historical Groundwater Results
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert-butyl ether	Napthalene	1,2-Dichloroethane (1,2-DCA)	ethyl-tert-butyl alcohol	Dialpropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl-tert-butyl ether	tert-butyl formate
01589 DMW-1	3/29/2022	0.58 J	<1.0	<1.0	<1.0	0.43 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/13/2021	0.76 J	<1.0	<1.0	<1.0	0.43 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<1.0	<1.0	<1.0	<1.0	0.43 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	5.5	1.3	0.95 J	<1.0	0.49 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	7.1	1.1	1.1	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	130	16	14	48	12	1.3	<1.0	<20	<1.0	<100	24	190	<10.0	6.5	<5.0
	SSTL	7	6	6	10	5	5	--	--	--	1,000	100	100	--	100	--
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-2	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	11/28/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
	3/29/2022	<1.0	<1.0	<1.0	<1.0	0.72 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/15/2021	0.48 J	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-3	4/22/2021	<1.0	<1.0	<1.0	<1.0	0.31 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	0.31 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	1.2	<1.0	0.66 J	<1.0	<1.0	<1.0	<20	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-4	03/04/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/04/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-5	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
	3/30/2022	9.810	17,500	840	5,020	1,310	<200	<200	<20,000	<200	105,000	<20,000	20.5	<2,000	<2,000	<10,000
	10/13/2021	0.07 feet of free product														
	4/20/2021	0.13 feet of free product														
	03/04/2020	0.81 feet of free product														
	07/10/2019	12,300	27,900	1,700	11,800	1,400	283	<500	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000
	11/28/2018	20,000	47,000	2,100	10,000	3,400	<500	<500	<10,000	<500	<50,000	5,100 J	34,000	<5,000	750	<2,500
	3/30/2022	3,170	14,100	1,430	7,400	<500	<500	<500	<50,000	<500	3,850,000	<50,000	<50,000	<5,000	<5,000	<25,000
01589 RW-2	10/13/2021	14,700	41,400	3,620 J	18,000	<10,000	<10,000	<10,000	<10,000	61,100,000	<1,000,000	<1,000,000	<100,000	<100,000	<500,000	<500,000
	4/20/2021	0.06 feet of free product														
	03/04/2020	0.56 feet of free product														
	07/08/2019	0.18 feet of free product														
	11/28/2018	21,000	54,000	3,200	17,000	2,200	430J	<500	<10,000	<500	<50,000	13,000	31,000	<5,000	760	<2,500
	3/30/2022	10,500	29,400	2,150	11,900	274	318	<200	<20,000	<200	<40,000	<20,000	23,100	<2,000	<2,000	<10,000
	10/13/2021	8,420	24,900	1,760	14,700	198	403	<125	<12,500	<125	<25,000	<12,500	13,700	<1,250	<1,250	<6,250
	4/20/2021	0.06 feet of free product														
01589 RW-3	03/04/2020	0.56 feet of free product														
	07/08/2019	1.56 feet of free product														
	11/28/2018	15,000	41,000	2,800	15,000	530	360J	<500	<10,000	<500	<50,000	<10,000	21,000	<5,000	<500	<2,500
	3/30/2022	0.93 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/13/2021	0.8 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	0.8 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/04/2020	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	3.3	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
11/28/2018	15	5.6	2.8	6.9	<1.0	<1.0	<1.0	<20	<1.0	<100	<20	77	<10	<1.0	<5.0	
SSTL	3	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--	
01589 RW-5	3/30/2022	0.04 feet of free product														
	10/13/2021	0.13 feet of free product														
	4/20/2021	0.75 feet of free product														
	03/04/2020	2.52 feet of free product														
	07/08/2019	1.64 feet of free product														
	11/28/2018	0.36 feet of free product														

Table 3
Historical Groundwater Results
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)								Oxygenates (ug/L)						
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Napthalene	1,2-Dichloroethane (1,2-DCA)	ethyl tert-butyl alcohol	Dialcpropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-butyl ether	tert-butyl formate
01589 RW-6	3/30/2022	0.01 feet of free product														
	10/13/2021	1.19 feet of free product														
	4/20/2021	0.37 feet of free product														
	03/04/2020	1.67 feet of free product														
	07/08/2019	2 feet of free product														
01589 RW-7	11/28/2018	1.67 feet of free product														
	3/30/2022	14,600	24,100	1,130	9,820	447	228	<200	<20,000	<200	<40,000	<20,000	26,500	<2,000	<2,000	<10,000
	10/13/2021	0.12 feet of free product														
	4/20/2021	0.2 feet of free product														
	03/04/2020	0.16 feet of free product														
01589 RW-8	07/08/2019	0.45 feet of free product														
	3/30/2022	1,580	3,630	396	4,170	62.3	187	<20	<2,000	<20	<4,000	<2,000	3,900	<200	<200	<1,000
	10/14/2021	878	1,970	529	2,680	25.2	168	<20.0	<2,000	<20.0	<4,000	<2,000	2,360	<200	<200	<1,000
	4/20/2021	0.53 feet of free product														
	03/04/2020	1,690	3,550	587	2,570	48	103	<25.0	<2,500	<25.0	<5,000	<2,500	3,900	<250	<250	<1,250
01589 RW-9	07/08/2019	0.3 feet of free product														
	3/30/2022	2,760	5,890	459	2,450	714	69.7	<50.0	<5,000	<50.0	233,000	2,240 J	19,200	<500	204 J	<2,500
	10/14/2021	0.06 feet of free product														
	4/20/2021	0.12 feet of free product														
	03/04/2020	13,600	31,200	2,460	12,500	2,250	446	<200	<20,000	<200	831,000	10,200 J	82,800	<2,000	<2,000	<10,000
01589 RW-10	07/08/2019	0.86 feet of free product														
	3/30/2022	0.02 feet of free product														
	10/14/2021	0.01 feet of free product														
	4/20/2021	0.22 feet of free product														
	03/04/2020	0.57 feet of free product														
01589 RW-11	07/08/2019	1.37 feet of free product														
	3/30/2022	2.46 feet of free product														
	10/15/2021	4.94 feet of free product														
	04/20/2020	0.68 feet of free product														
	03/04/2020	6.0 feet of free product														
01589 RW-12	07/08/2019	1.5 feet of free product														
	3/30/2022	2,960	6,480	597	4,900	83.5	109	<50.0	<5,000	<50.0	<10,000	<5,000	2,940 J	<500	<500	<2,500
	10/15/2021	2,040	2,390	241	2,160	77.3	61	<20.0	<2,000	<20.0	<4,000	<2,000	2,940	<200	<200	<1,000
	4/22/2021	7,280	3,620	542	4,630	261	123	<50.0	<5,000	<50.0	<10,000	<5,000	11,100	<500	184 J	<2,500
	03/04/2020	Heavy sheen of free product (< 0.01 ft.)														
07/10/2019	4,360	6,410	556	5,080	236	170	<50.0	<5,000	<50.0	<10,000	<5,000	5,030	<500	<500	<2,500	
	SSTL	5	1,144	556	5,080	45	26	--	--	--	1,000	1,453	264	--	51	--

Units = ug/L
 *< = Not detected at or above the laboratory reporting limit (RL)
 J flag = estimated result < RL but >MDL
 SSTL = SCDHEC calculated Site Specific Target Level
 Bold concentrations equal or exceed the corresponding SSTL

Table 4
Water Well Analytical Data
1st Half 2022
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L) by 524.2							Oxygenates (ug/L) by 8260B							
		Benzene	Toluene	Ethylbenzene	Xylenes, Total (1)	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		5.0	1,000	700	10,000	40.0	25.0	5.0	NE	150	10,000	1,400	240	128	47.0	NE
01589 WSW-12	3/30/2022	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-13	3/30/2022	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-16	3/31/2022	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0

Notes:

Units = µg/L

"<" = Not detected at or above the laboratory reporting limit

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

1: Reporting limit for m,p xylenes is 0.05 ug/L; for o-xylene, 1 ug/L

water well WSW-15 is out of use and inaccessible for sampling

Table 5
Historical Water Well Results
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	1,2 - Dichloroethane (DCA)	ethyl tert-Butyl alcohol	Di isopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		5.0	1,000	700	10,000	40.0	25.0	5.0	NE	150	10,000	1,400	240	128	47.0	NE
01589 WSW-1	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-2D	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-2	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-3	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/23/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-4	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/20/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-5	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-6	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-7	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-8	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-9	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0

Units = ug/L

< = Not detected at or above the laboratory reporting limit

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

**Table 5
Historical Water Well Results
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589**

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	1,2 - Dichloroethane (DCA)	ethyl tert-Butyl alcohol	Di isopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		5.0	1,000	700	10,000	40.0	25.0	5.0	NE	150	10,000	1,400	240	128	47.0	NE
01589 WSW-10	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/20/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-11	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-12	3/30/2022	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/15/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-13	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
	3/30/2022	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/15/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-14	7/10/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/29/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-15	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
	4/22/2021	well has been decommissioned according to owner														
	7/8/2019	sample collection permission was not granted														
01589 WSW-16	8/23/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
	3/31/2022	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/29/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/5/2020	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	7/10/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-17	9/27/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/31/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0

Units = ug/L

"<" = Not detected at or above the laboratory reporting limit

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

Table 5
Historical Water Well Results
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	1,2 - Dichloroethane (DCA)	ethyl tert-Butyl alcohol	Di isopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		5.0	1,000	700	10,000	40.0	25.0	5.0	NE	150	10,000	1,400	240	128	47.0	NE
01589 WSW-18	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/22/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-19	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/23/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-20	7/8/2019	sample collection permission was not granted														
	8/23/2018	sample collection permission was not granted														
01589 WSW-21	7/8/2019	sample collection permission was not granted														
	8/23/2018	sample collection permission was not granted														
01589 WSW-22	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/22/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-23	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/27/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-24	7/10/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/22/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-25	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/23/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-26	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/27/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-27	7/8/2019	sample collection permission was not granted														
	8/23/2018	sample collection permission was not granted														
01589 WSW-28	7/8/2019	sample collection permission was not granted														
	8/23/2018	sample collection permission was not granted														
01589 WSW-29	7/8/2019	sample collection permission was not granted; the property is currently provided potable water from a municipal source														
	8/23/2018	sample collection permission was not granted; the property is currently provided potable water from a municipal source														

Units = ug/L

"<" = Not detected at or above the laboratory reporting limit

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

Table 6
Surface Water Analytical Data
1st Half 2022
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		5.0	1,000	700	10,000	40.0	25.0	5.0	NE	150	10,000	1,400	240	128	47.0	NE
01589 SW-1	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-2	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-3	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-4	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-5	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-6	3/30/2022	not sampled-dry														
01589 SW-7	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-8	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-9	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
RBSL		5.0	1,000	700	10,000	40.0	25.0	5.0	NE	150	10,000	1,400	240	128	47.0	NE

Notes:

Units = µg/L

"<" = Not detected at or above the laboratory reporting limit

RBSL = May 15, 2001 Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

Table 7
Historical Surface Water Results
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert-butyl ether	Naphthalene	1,2-Dichloroethane (1,2-DCA)	ethyl tert-butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-butyl ether	tert-Butyl formate
RBSL		5.0	1,000	700	10,000	40.0	25.0	5.0	NE	150	10,000	1,400	240	128	47.0	NE
01589 SW-1	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	Not Sampled-Dry														
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10	<1.0	<5.0
01589 SW-2	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<50.0
01589 SW-3	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	<1.0	<1.0	0.34	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	8	<50.0
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<50.0
01589 SW-4	3/29/2022	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/12/2021	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	Not Sampled-Dry														
	03/06/2020	<1.0	0.53 J	<1.0	1.8	0.66 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/30/2018	150	750	34	380	<5.0	8	<5.0	<100	<5.0	<500	<100	<100	<50	<5.0	<25
01589 SW-5	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/12/2021	Not Sampled-Dry														
	04/22/2021	Not Sampled-Dry														
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
01589 SW-6	3/30/2022	Not Sampled-Dry														
	10/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	<1.0	0.67 J	1.2	4.4	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/06/2020	<1.0	<1.0	0.46 J	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
01589 SW-7	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
01589 SW-8	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
01589 SW-9	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
RBSL		5.0	1,000	700	10,000	40.0	25.0	5.0	NE	150	10,000	1,400	240	128	47.0	NE

Notes:
Units = µg/L
"<" = Not detected at or above the laboratory reporting limit
RBSL = May 15, 2001 Risk Based Screening Level
Bold concentrations equal or exceed the corresponding RBSL
NE = Not established

Table 8
Data Quality Indicator Analyses
Monitoring and Recovery Wells
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							Comments / Notes	
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether		tert-Butyl formate
Precision Analysis																	
Precision Limit (RPD %)		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
01589 MW-2	3/29/22 @ 1241	8,610	18,100	1,230	6,040	483	140	<125	<12,500	<125	<25,000	<12,500	25,000	<1,250	<1,250	<6,250	125 x dilution 200 x dilution
01589 DUP-1	3/29/22 @ 1243	10,000	22,100	1,350	6,700	416	<200	<200	<20,000	<200	<40,000	<20,000	16,600	<2,000	<2,000	<10,000	
RPD (%)		15%	20%	9%	10%	15%	---	---	---	---	---	---	40%	---	---	---	
01589 MW-33	3/29/22 @ 1053	10,400	23,000	1,700	9,020	280	136 J	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000	200 x dilution 200 x dilution
01589 DUP-2	3/29/22 @ 1055	9,410	22,700	1,690	8,340	205	<200	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000	
RPD (%)		10%	1%	1%	8%	31%	---	---	---	---	---	---	---	---	---	---	
Bias Analysis																	
01589 FB-2	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	No Errors Indicated
01589 Trip-1	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	No Errors Indicated
01589 Trip-2	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	No Errors Indicated
Method Sensitivity																	
Sensitivity Limits (GW - ug/L)		<5	<5	<5	<5	<10	<5	<5	<100	<10	<1,000	<100	<100	<10	<100	<100	
01589 MW-1	3/29/2022	34.5	48.5	30.4	33.8	42.2	64.5	32.2	5,190	30.8	7,220	2,680	3,640	266	324	2,940	100 x dilution
01589 MW-2	3/29/2022	43.1	60.6	38	42.2	52.8	80.6	40.2	6,490	38.5	9,020	3,350	4,550	332	405	3,680	125 x dilution
01589 MW-3	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-4	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-5	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-6	3/29/2022	69	97	60.8	67.6	84.4	129	64.4	10,400	61.6	14,400	5,360	7,280	532	648	5,880	200 x dilution
01589 MW-7	3/29/2022	1.7	2.4	1.5	1.7	2.1	3.2	1.6	260	1.5	361	134	182	13.3	16.2	147	5 x dilution
01589 MW-8	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-9	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-10	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-11	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-12	3/29/2022	4.3	6.1	3.8	4.2	5.3	8.1	4	649	3.8	902	335	455	33.2	40.5	368	12.5 x dilution
01589 MW-13	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	52	0.31	72	26.8	36.4	2.7	3.2	29.4	
01589 MW-14	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-15	3/29/2022	17.2	24.2	15.2	16.9	21.1	32.2	16.1	2,600	15.4	3,610	1,340	1,820	133	162	1,470	50 x dilution
01589 MW-16	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-17	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-18	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-19	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-20	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	

Units = ug/L

c = Not detected above the laboratory reporting limit

NT = not tested for this parameter

*** = Relative Percent Difference (RPD) calculated between analytical method reporting limits; direct comparability is inconclusive should dilution create reporting limit discrepancy

Table 8
Data Quality Indicator Analyses
Monitoring and Recovery Wells
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							Comments / Notes	
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether		tert-Butyl formate
Method Sensitivity																	
Sensitivity Limits (GW - ug/L)		<5	<5	<5	<5	<10	<5	<5	<100	<10	<1,000	<100	<100	<10	<100	<100	
01589 MW-21	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-22	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-23	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-24	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-25	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-26	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-27	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-28	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-29	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-30	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-31	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-32	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-33	3/29/2022	69	97	60.8	67.6	84.4	129	64.4	10,400	61.6	14,400	5,360	7,280	532	648	5,880	200 x dilution
01589 MW-34	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-35	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-36	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-37	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-38	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-1	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-2	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-3	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-4	3/30/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-5	3/30/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 RW-1	3/30/2022	69	97	60.8	67.6	84.4	129	64.4	10,400	61.6	14,400	5,360	7,280	532	648	5,880	200 x dilution
01589 RW-2	3/30/2022	172	242	152	169	211	322	161	26,000	154	36,100	13,400	18,200	1,330	1,620	14,700	500 x dilution
01589 RW-3	3/30/2022	69	97	60.8	67.6	84.4	129	64.4	10,400	61.6	14,400	5,360	7,280	532	648	5,880	200 x dilution
01589 RW-4	3/30/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 RW-7	3/30/2022	69	97	60.8	67.6	84.4	129	64.4	10,400	61.6	14,400	5,360	7,280	532	648	5,880	200 x dilution
01589 RW-8	3/30/2022	69	97	60.8	67.6	84.4	129	64.4	10,400	61.6	14,400	5,360	7,280	532	648	5,880	200 x dilution
01589 RW-9	3/30/2022	17.2	24.2	15.2	16.9	21.1	32.2	16.1	2,600	15.4	3,610	1,340	1,820	133	162	1,470	50 x dilution
01589 RW-12	3/30/2022	17.2	24.2	15.2	16.9	21.1	32.2	16.1	2,600	15.4	3,610	1,340	1,820	133	162	1,470	50 x dilution

Units = ug/L

*< = Not detected above the laboratory reporting limit

NT = not tested for this parameter

*** = Relative Percent Difference (RPD) calculated between analytical method reporting limits; direct comparability is inconclusive should dilution create reporting limit discrepancy

Table 9
Data Quality Indicator Analyses
Water Wells
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							Comments / Notes	
		Benzene	Toluene	Ethylbenzene	Total Xylenes (1)	MTBE	Naphthalene	1,2 - Dichloroethane (DCA)	ethyl tert-Butyl alcohol	Di isopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl ethyl ether	ethyl tert-Butyl ether		tert-Butyl formate
Precision Analysis																	
Precision Limit (RPD %)		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	no detections
01589 WSW-12	3/30/22 @ 1556	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
DUP 1	3/30/22 @ 1559	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
RPD (%)		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bias Analysis																	
Trip 3	--	<0.50	<0.50	0.34	<0.50	<0.50	<1.0	<1.0	--	--	--	--	--	--	--	--	no errors indicated
Method Sensitivity																	
Sensitivity Limits (GW - µg/L)		5.0	5.0	5.0	10.0	5.0	5.0	5.0	100	10.0	1,000	100	100	10.0	100	100	
01589 WSW-12	3/30/2022	0.21	0.2	0.22	0.39/0.22	0.14	0.35	0.16	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 WSW-13	3/30/2022	0.21	0.2	0.22	0.39/0.22	0.14	0.35	0.16	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 WSW-16	3/31/2022	0.21	0.2	0.22	0.39/0.22	0.14	0.35	0.16	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	

Notes:

Units = µg/L

(1) For sensitivity limits of xylenes, first DL is reported for m&p xylene, second for o-xylene

RBSL = May 15, 2001 Risk Based Screening Level

NE = not established

*** = Relative Percent Difference (RPD) calculated between analytical method reporting limits; direct comparability is inconclusive should dilution create reporting limit discrepancy

Table 10
Data Quality Indicator Analyses
Surface Water Samples
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							Comments / Notes	
		Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	1,2 - Dichloroethane (DCA)	ethyl tert-Butyl alcohol	Di isopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl ethyl ether	ethyl tert-Butyl ether		tert-Butyl formate
Method Sensitivity																	
Sensitivity Limits (GW - µg/L)		5.0	5.0	5.0	10.0	5.0	5.0	5.0	100	10.0	1,000	100	100	10.0	100	100	
01589 SW-1	3/30/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-2	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-3	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-4	3/29/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-5	3/30/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-7	3/30/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-8	3/30/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-9	3/30/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	

Notes:

Units = µg/L

RBSL = May 15, 2001 Risk Based Screening Level

NE = not established

*** = Relative Percent Difference (RPD) calculated between analytical method reporting limits; direct comparability is inconclusive should dilution create reporting limit discrepancy

Table 11
Calculation of COC Reduction
1st Half 2022
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit # 01589

Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSTL Mass	Subsequent Concentration > SSTL Mass
01589 MW-1	Initial	Initial	17,700	40,400	2,290	11,400	1,850	0	0	0	0	0	73,640.00	-----	-----
		SSTL	6	1,324	869	11,400	51	28	295	1,526	21,596	57	37,152.00	-----	-----
		Initial > SSTL	17,694	39,076	1,421	0	1,799	0	0	0	0	0	0	-----	59,990.00
	3/29/22	Subsequent	5,570	14,800	983	4,490	479	125	9,740	0	44,400	0	80,587.00	-----	-----
		SSTL	6	1,324	869	11,400	51	28	295	1,526	21,596	57	37,152.00	-----	-----
		Subsequent > SSTL	5,564	13,476	114	0	428	97	9,445	0	22,804	0	-----	-----	51,928.00
01589 MW-2	Initial	Initial	10,000	21,600	1,690	9,250	559	236	16,200	0	0	0	59,535.00	-----	-----
		SSTL	5	1,144	775	9,250	45	26	264	1,453	14,610	51	27,623.00	-----	-----
		Initial > SSTL	9,995	20,456	915	0	514	210	15,936	0	0	0	-----	48,026.00	
	3/29/22	Subsequent	8,610	18,100	1,230	6,040	483	140	18,900	0	0	0	53,503.00	-----	-----
		SSTL	5	1,144	775	9,250	45	26	264	1,453	14,610	51	27,623.00	-----	-----
		Subsequent > SSTL	8,605	16,956	455	0	438	114	18,636	0	0	0	-----	-----	45,204.00
01589 MW-3	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.000	
	3/29/22	Subsequent	12.3	0	0	1.7	0	0	0	0	0	0	-----	14.00	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Subsequent > SSTL	7	0	0	0	0	0	0	0	0	0	-----	-----	7.300
01589 MW-4	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00
01589 MW-5	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00
01589 MW-6	Initial	Initial	16,400	28,900	2,190	8,920	1,990	272	42,200	5,410	0	0	106,282.00	-----	-----
		SSTL	12	3,709	2,005	8,920	131	46	658	2,383	40,000	122	57,986.00	-----	-----
		Initial > SSTL	16,388	25,191	185	0	1,859	226	41,542	3,027	0	0	-----	88,418.00	
	3/29/22	Subsequent	11,700	21,400	1,850	9,910	1,410	256	22,000	0	0	0	68,526.00	-----	-----
		SSTL	12	3,709	2,005	8,920	131	46	658	2,383	40,000	122	57,986.00	-----	-----
		Subsequent > SSTL	11,688	17,691	0	990	1,279	210	21,342	0	0	0	-----	-----	53,200.00
01589 MW-7	Initial	Initial	9,210	34,100	2,390	12,700	0	271	0	0	0	0	58,671.00	-----	-----
		SSTL	21	8,500	2,390	12,700	200	67	1,247	3,356	40,000	222	68,703.00	-----	-----
		Initial > SSTL	9,189	25,600	0	0	0	204	0	0	0	0	-----	34,993.00	
	3/29/22	Subsequent	465	781	132	969	0	28.7	538	0	0	0	2,913.70	-----	-----
		SSTL	21	8,500	2,390	12,700	200	67	1,247	3,356	40,000	222	68,703.00	-----	-----
		Subsequent > SSTL	444	0	0	0	0	0	0	0	0	0	-----	-----	444.00
01589 MW-8	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00
01589 MW-9	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	
	3/29/22	Subsequent	0	0	0	0	2.1	0	0	0	0	0	-----	2.10	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00

Table 11
Calculation of COC Reduction
1st Half 2022
Circle K 2720886
4315 Savannah Highway
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Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSTL Mass	Subsequent Concentration > SSTL Mass	
01589 MW-10	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-11	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	15	0.00	----	14.80
01589 MW-12	Initial	Initial	410	12.7	46.5	24.5	9.8	9.1	1,370	0	0	25.9	1,908.50	----	----	
		SSTL	7	13	47	25	10	9	382	250	1,000	26	1,769.00	----	----	
		Initial > SSTL	403	0	0	0	0	0	988	0	0	0	0	1,391.10	----	----
	3/29/22	Subsequent	2,450	27.8	163	42.3	0	8.1	0	0	0	40.8	2,732.00	----	----	
		SSTL	7	13	47	25	10	9	382	250	1,000	26	1,769.00	----	----	
		Subsequent > SSTL	2,443	15	116	17	0	0	0	0	0	15	0.00	----	2,605.90	
01589 MW-13	Initial	Initial	31.2	19.5	490	1,630	0	164	0	0	0	0	2,334.70	----	----	
		SSTL	7	20	490	1,630	5	30	334	500	1,000	100	4,116.00	----	----	
		Initial > SSTL	24	0	0	0	0	134	0	0	0	0	0	158.20	----	----
	3/29/22	Subsequent	17	0.74	69	29	0.0	16.9	0	0	0	0	0	132.64	----	----
		SSTL	7	20	490	1,630	5	30	334	500	1,000	100	4,116.00	----	----	
		Subsequent > SSTL	10	0	0	0	0	0	0	0	0	0	0	0.00	----	10.00
01589 MW-14	Initial	Initial	0	0	0	0	0	4.1	0	0	0	0	4.10	----	----	
		SSTL	5	5	5	10	5	4	100	100	1,000	100	1,334.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.10	----	----
	3/29/22	Subsequent	0	0	0	0.0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	4	100	100	1,000	100	1,334.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-15	Initial	Initial	2,840	7,910	982	4,850	0	120	6,950	0	0	0	23,652.00	----	----	
		SSTL	7	1,534	870	4,850	50	29	382	1,758	10,000	73	19,553.00	----	----	
		Initial > SSTL	2,833	6,376	112	0	0	91	6,568	0	0	0	0	15,980.00	----	----
	3/29/22	Subsequent	3,310	9,740	889	3,980	0.0	77.9	4,930	0	0	0	0	22,926.90	----	----
		SSTL	7	1,534	870	4,850	50	29	382	1,758	10,000	73	19,553.00	----	----	
		Subsequent > SSTL	3,303	8,206	19	0	0	49	4,548	0	0	0	0	0.00	----	16,124.90
01589 MW-16	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.0	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	6.4	0	0	0	0	0	0	6.40	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	1	0	0	0	0	0	0	0.00	----	1.40
01589 MW-17	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.000	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00

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4315 Savannah Highway
Ravenel, Charleston County, South Carolina
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Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSSL Mass	Subsequent Concentration > SSSL Mass	
01589 MW-18	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.0	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.000	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-19	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-20	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.000	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-21	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-22	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-23	Initial	Initial	0	0	0	0	1.8	0	0	0	0	0	0	1.80	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-24	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-25	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	6.4	0	0	0	0	0	0	6	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	1	0	0	0	0	0	0.00	----	1.40	

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Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSSL Mass	Subsequent Concentration > SSSL Mass	
01589 MW-26	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	7.4	0	0	0	0	0	0	7.40	----	----
		Subsequent > SSSL	0	0	0	0	2	0	0	0	0	0	0	2.40	----	----
01589 MW-27	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
01589 MW-28	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	1	0	0	0	0	0	0	1.00	----	----
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
01589 MW-29	Initial	Initial	2.2	0	0	0	7.4	0	0	0	0	0	9.60	----	----	
		SSTL	5	5	5	10	7	5	100	100	1,000	100	1,337.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.40	----	----
	3/29/22	Subsequent	1.2	0	0	0	111	0	910	377	0	40.5	1,440	----	----	
		Subsequent > SSSL	0	0	0	0	104	0	810	277	0	0	0	1,191.00	----	----
01589 MW-30	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
01589 MW-31	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	2.7	0	0	0	0	0	0	3	----	----
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
01589 MW-32	Initial	Initial	306	9.3	9.7	17.1	11.4	0	284	0	0	0	637.50	----	----	
		SSTL	13	9	10	17	11	2	284	200	1,000	100	1,646.00	----	----	
		Initial > SSSL	293	0	0	0	0	0	0	0	0	0	0	293.80	----	----
	3/29/22	Subsequent	127	2	1	10.0	4.4	0.86	97.9	0	0	12.9	243	----	----	
		Subsequent > SSSL	13	9	10	17	11	2	284	200	1,000	100	1,646.00	----	----	
01589 MW-33	Initial	Initial	4,180	13,200	1,760	8,670	57.5	356	0	0	0	0	27,867.50	----	----	
		SSTL	6	1,205	759	11,013	57	26	265	1,795	25,000	56	40,182.00	----	----	
		Initial > SSSL	4,174	11,995	1,001	0	1	330	0	0	0	0	0	17,500.50	----	----
	3/29/2022	Subsequent	10,400	23,000	1,700	9,020	280	136	0	0	0	0	44,536	----	----	
		Subsequent > SSSL	6	1,205	759	11,013	57	26	265	1,795	25,000	56	40,182.00	----	----	

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Circle K 2720886
4315 Savannah Highway
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Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSSL Mass	Subsequent Concentration > SSSL Mass	
01589 MW-34	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
01589 MW-35	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
01589 MW-36	Initial	Initial	14.5	102	113	223	0	12.9	148	0	0	0	613.40	----	----	
		SSTL	6	102	113	223	5	13	148	100	1,000	100	1,810.00	----	----	
		Initial > SSSL	9	0	0	0	0	0	0	0	0	0	0	8.50	----	----
	3/29/22	Subsequent	0	0	0.6	0	0	0	798	52	0	0	851	----	----	
		SSTL	6	102	113	223	5	13	148	100	1,000	100	1,810.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	650	0	0	0	0	650.00	----	----
01589 MW-37	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
01589 MW-38	Initial	Initial	73.6	0	0	0	11.2	0	138	0	0	0	222.80	----	----	
		SSTL	74	5	5	2	11	5	138	100	1,000	100	1,440.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.20	----	----
	3/29/22	Subsequent	33	0	2.1	0	9	0	0.0	0	0	0	44	----	----	
		SSTL	74	5	5	2	11	5	138	100	1,000	100	1,440.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
01589 DMW-1	Initial	Initial	7.1	1.1	1.1	0	0	0	0	0	0	0	9.30	----	----	
		SSTL	7	6	6	10	5	5	100	100	1,000	100	1,339.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.10	----	----
	3/29/22	Subsequent	0.58	0	0	0	0.43	0	0	0	0	0	1	----	----	
		SSTL	7	6	6	10	5	5	100	100	1,000	100	1,339.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
01589 DMW-2	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
01589 DMW-3	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0.00	0	0	0	0.72	0	0	0	0	0	1	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
01589 DMW-4	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/30/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----

Table 11
Calculation of COC Reduction
1st Half 2022
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit # 01589

Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSTL Mass	Subsequent Concentration > SSTL Mass	
01589 DMW-5	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/30/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 RW04	Initial	Initial	3.3	0	0	0	1.4	0	0	0	0	0	4.70	----	----	
		SSTL	3	5	5	10	5	5	100	100	1,000	100	1,333.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.30	----	----
	3/30/22	Subsequent	0.93	0	0	0	0	0	0	0	0	0	0	1	----	----
		SSTL	3	5	5	10	5	5	100	100	1,000	100	1,333.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 RW12	Initial	Initial	4,360	6,410	556	5,080	236	170	5,030	0	0	0	21,842.00	----	----	
		SSTL	5	1,144	556	5,080	45	26	264	1,453	10,000	51	18,624.00	----	----	
		Initial > SSTL	4,355	5,266	0	0	191	144	4,766	0	0	0	0	9,956.00	----	----
	3/30/22	Subsequent	2,960	6,480	597	4,900	83.5	109	2,940	0	0	0	18,070	----	----	
		SSTL	5	1,144	556	5,080	45	26	264	1,453	10,000	51	18,624.00	----	----	
		Subsequent > SSTL	2,955	5,336	41	0	39	83	2,676	0	0	0	0	11,129.50	----	----
01589 WSW12	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/30/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 WSW13	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/30/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 WSW16	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/31/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 SW01	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/30/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----

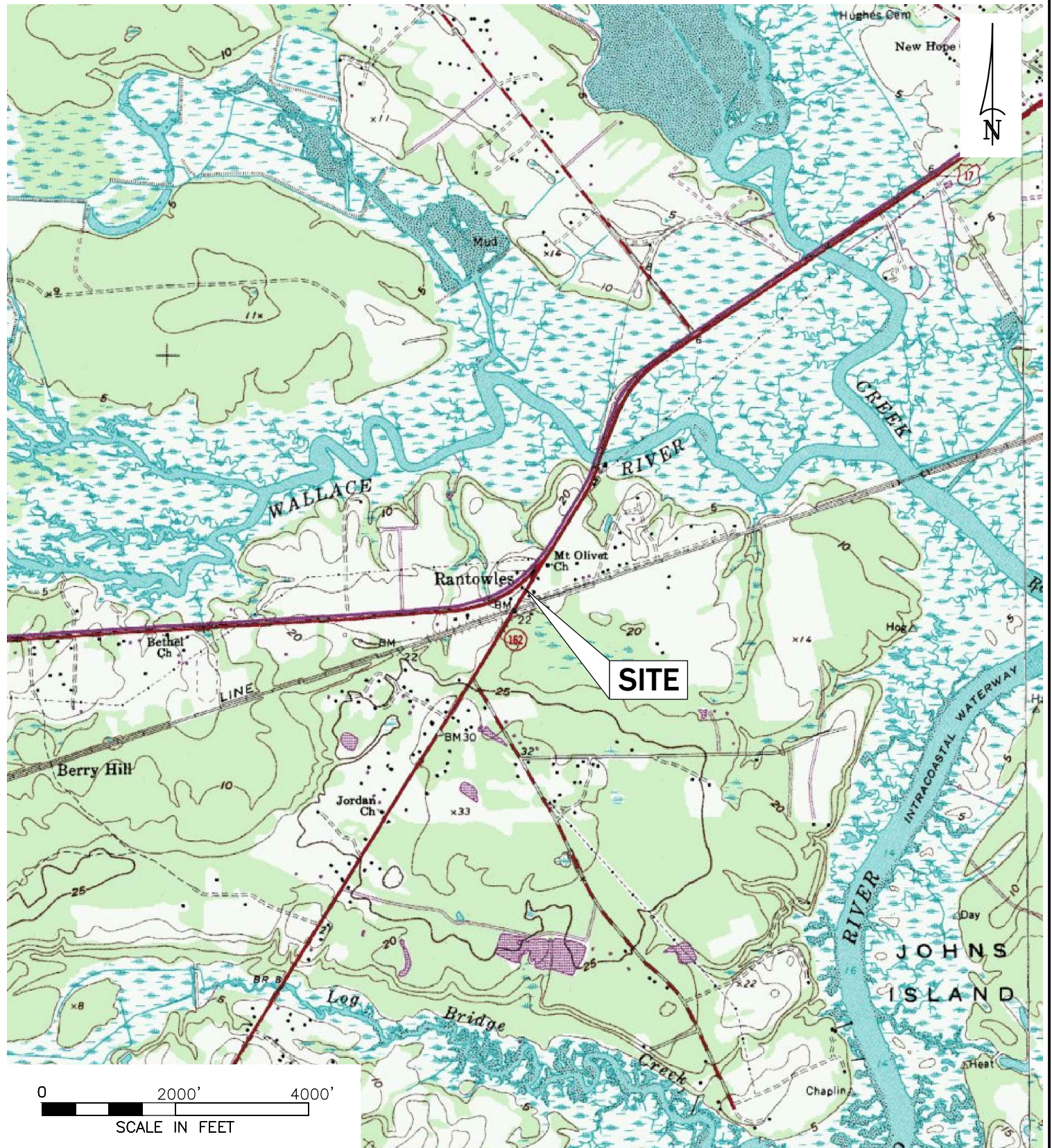
Table 11
Calculation of COC Reduction
1st Half 2022
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit # 01589

Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSSL Mass	Subsequent Concentration > SSSL Mass	
01589 SW02	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 SW03	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 SW04	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	750	34	380	5	8	100	100	1,000	100	2,482.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/29/22	Subsequent	0	0	0	1.4	0	0	0	0	0	0	0	1	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 SW05	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/30/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0.00	----
01589 SW07	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/30/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 SW08	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/30/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 SW09	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	3/30/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----

All concentrations reported in micrograms per liter
 SSSL = Site-Specific Target Level.
 COC Concentration Reduction = $\frac{(\text{Total Initial} > \text{SSTL}) - (\text{Total Subsequent} > \text{SSTL})}{\text{Total Initial} > \text{SSTL}} \times 100\%$
 For values less than the reporting limit, the reporting limit value was used.

276,716.20	164,163.60
	40.67%

FIGURES



TITLE **FIGURE 1**
 SITE TOPOGRAPHIC MAP
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

UST PERMIT #01589



6904 North Main Street, Suite 107
 Columbia, South Carolina 29203
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CAD FILE 1252215.dwg	PREP. BY BH	REV. BY	SCALE 1"=2000' /	DATE 11/10/2021	PROJECT NO. 25788612
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- BENCHMARK
- TELEPHONE PEDESTAL
- STORM DRAIN MAN HOLE
- TELEPHONE HAND HOLE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- SIGNAL POLE
- POWER POLE
- LIGHT POLE
- UNDERGROUND STORAGE TANK FILL
- ROLL TOP CATCH BASIN
- SIGN
- SANITARY SEWER CLEAN OUT
- TRAFFIC SIGNAL HAND HOLE
- DROP INLET
- TRAFFIC SIGNAL CONTROL BOX
- OVERHEAD ELECTRIC LINE
- WATER LINE
- FIBER OPTIC LINE
- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL

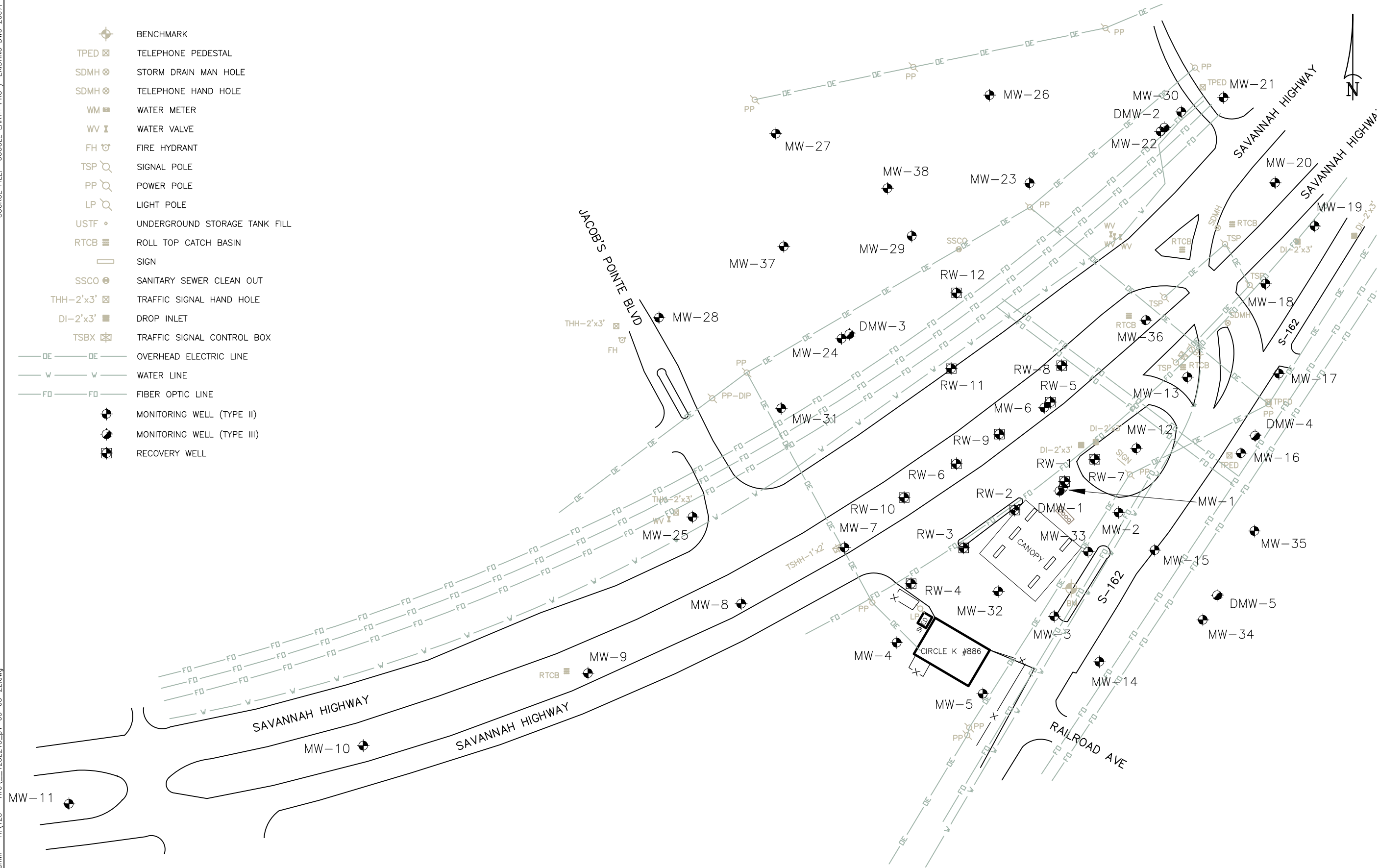


FIGURE 2
 UST PERMIT #01589
 SITE MAP WITH MONITORING & RECOVERY WELL NETWORK
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

ATLAS
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 Columbia, South Carolina 29203
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NOTES:

CAD FILE	1252215.dwg	TYPE CODE		PREP. BY	BH	REV. BY	
SCALE	1"=90'	DATE	05/03/2022	PROJECT NO.	257CK88613		

- ◆ MONITORING WELL (TYPE II)
- ◆ MONITORING WELL (TYPE III)
- RECOVERY WELL
- 16 — GROUNDWATER ELEVATION CONTOUR (ft.)
(15.43) GROUNDWATER ELEVATION (ft.)
- ← INFERRED GROUNDWATER FLOW DIRECTION
- (NI) DATA NOT INCLUDED IN DEVELOPING THIS FIGURE
- (NF) NOT FOUND

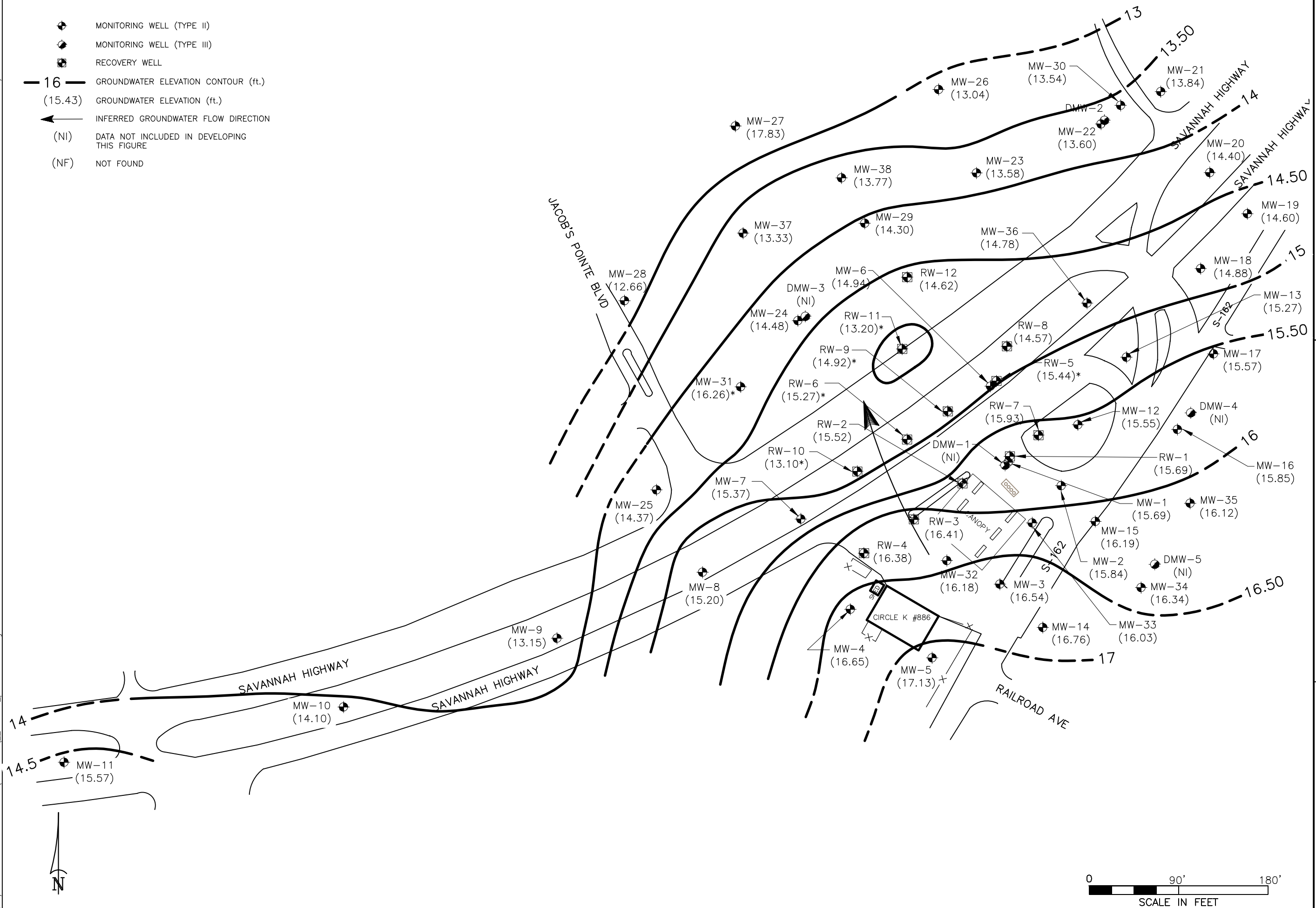




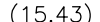





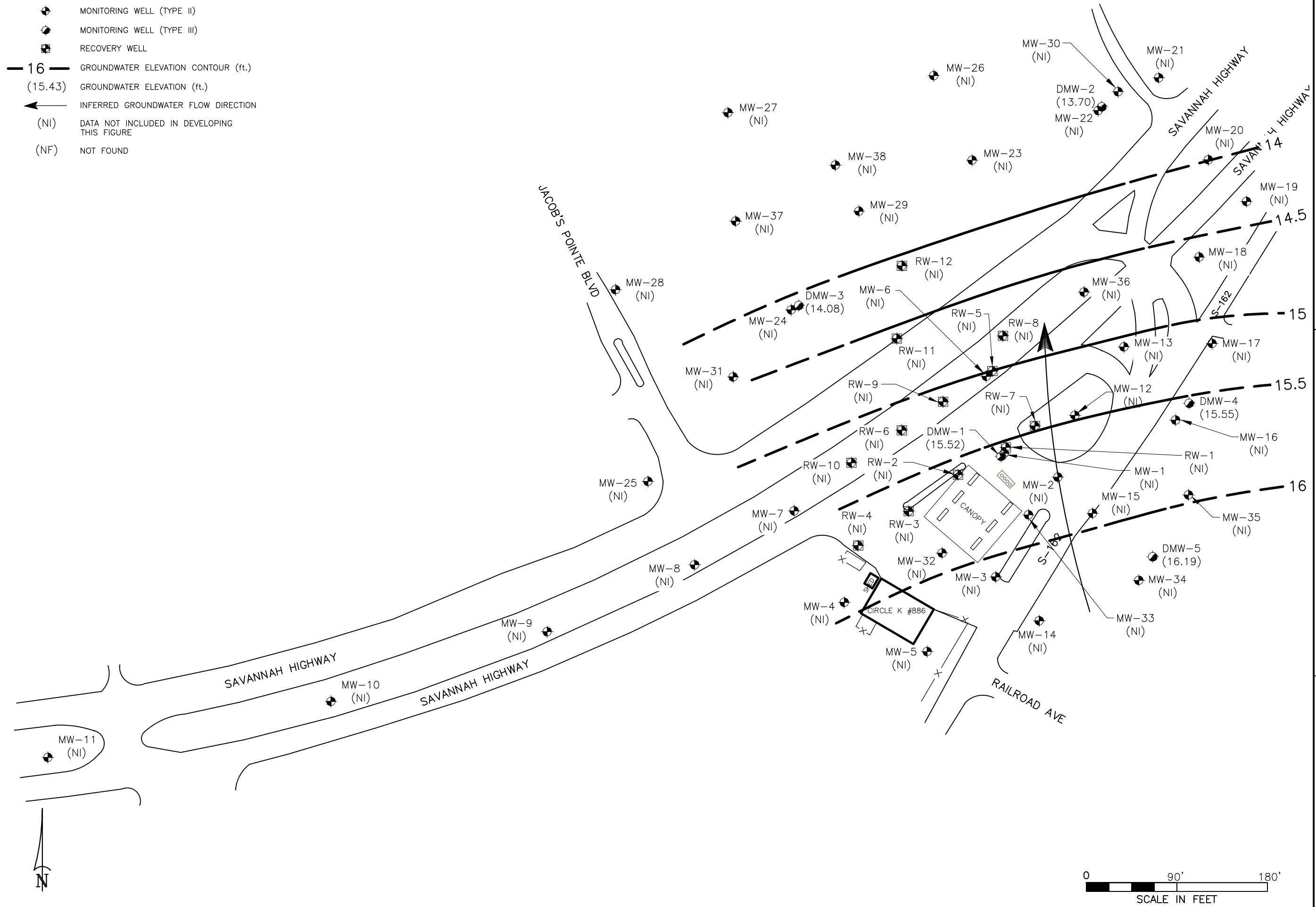
FIGURE 3
 TITLE UST PERMIT #01589
 POTENTIOMETRIC SURFACE MAP - SHALLOW WELLS
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

NOTES:
 1. GROUNDWATER ELEVATIONS WERE MEASURED ON 03/29/2022.
 2. * - WATER LEVEL ANOMALOUS, NOT USED IN FLOW EVALUATION.

CAD FILE	TYPE CODE	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1252215.dwg		BH		1"=90'	05/03/2022	257CK88613



-  MONITORING WELL (TYPE II)
-  MONITORING WELL (TYPE III)
-  RECOVERY WELL
-  **16** GROUNDWATER ELEVATION CONTOUR (ft.)
-  (15.43) GROUNDWATER ELEVATION (ft.)
-  INFERRED GROUNDWATER FLOW DIRECTION
-  (NI) DATA NOT INCLUDED IN DEVELOPING THIS FIGURE
-  (NF) NOT FOUND



TITLE **FIGURE 4** UST PERMIT #01589

POTENTIOMETRIC SURFACE MAP - DEEP WELLS
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

NOTES:
 1. GROUNDWATER ELEVATIONS WERE MEASURED ON 03/29/2022.

CAD FILE 1252215.dwg

TYPE CODE

PREP. BY BH

REV. BY









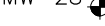
SCALE 1"=90'

DATE 05/03/2022

PROJECT NO. 257CK88613



6904 North Main Street, Suite 107
 Columbia, South Carolina 29203
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-  MONITORING WELL (TYPE II)
-  MONITORING WELL (TYPE III)
-  RECOVERY WELL
-  DISSOLVED BENZENE >10,000 ug/L
-  DISSOLVED BENZENE 1,000-10,000 ug/L
-  DISSOLVED BENZENE 100-1,000 ug/L
-  DISSOLVED BENZENE 1-100 ug/L
-  FP DETECTABLE FREE PRODUCT
-  MW-28 NO VALUE SHOWN INDICATES BENZENE BELOW DETECTION LEVEL

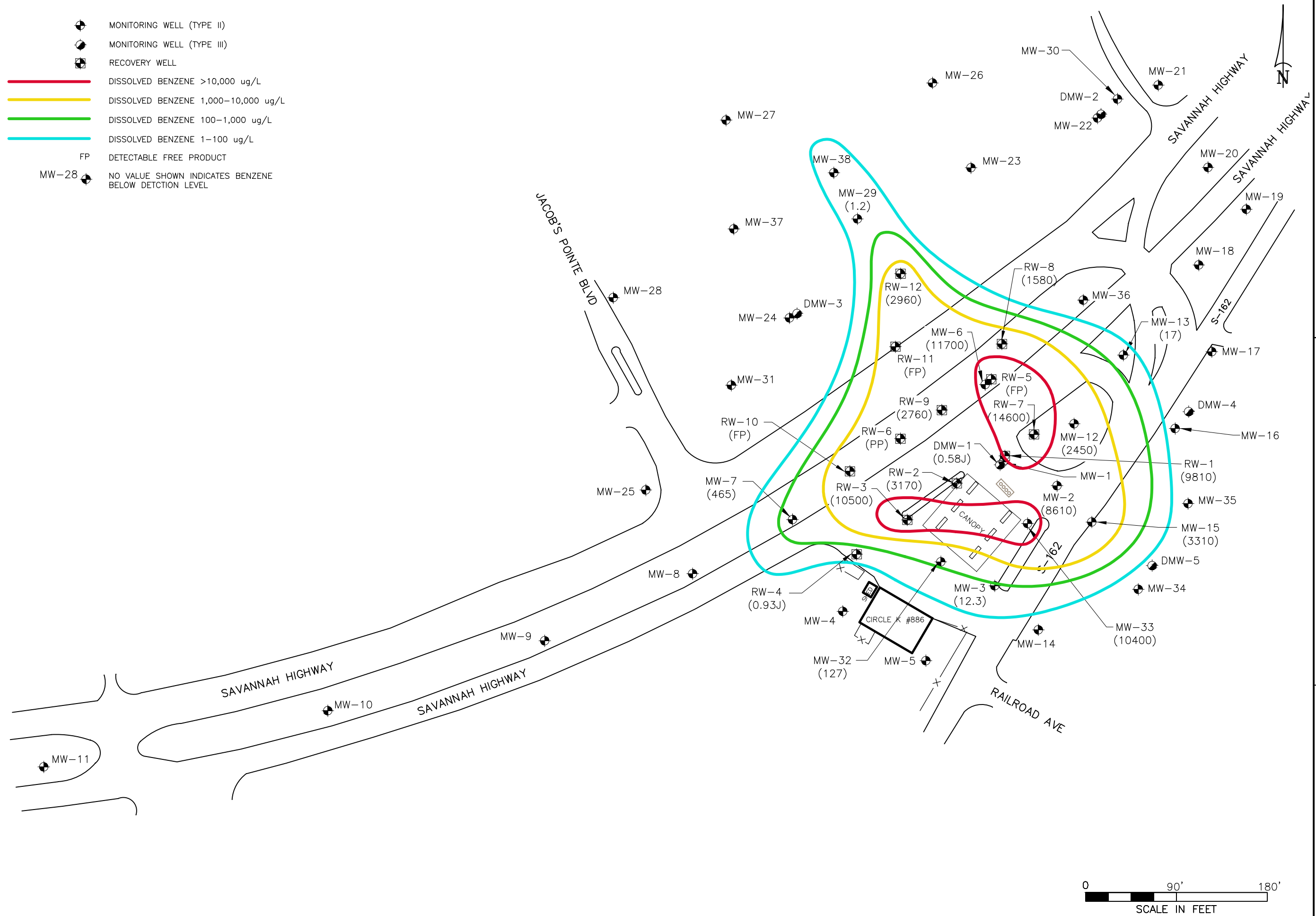


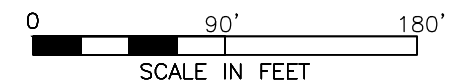
FIGURE 5
 BENEZENE ISOPLETH MAP FOR GROUNDWATER - MARCH 2022
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

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CAD FILE	1252215.dwg	TYPE CODE	BH	PREP. BY	BH	REV. BY		SCALE	1"=90'	DATE	05/03/2022	PROJECT NO.	257CK88613
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NOTES:

- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL
- DISSOLVED TOLUENE >10,000 ug/L
- DISSOLVED TOLUENE 100-10,000 ug/L
- DISSOLVED TOLUENE 1-1,000 ug/L
- FP DETECTABLE FREE PRODUCT
- MW-28 NO VALUE SHOWN INDICATES TOLUENE BELOW DETECTION LEVEL











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FIGURE 6
UST PERMIT #01589
TOLUENE ISOPLETH MAP FOR GROUNDWATER - MARCH 2022
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

CAD FILE	TYPE CODE	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1252215.dwg		BH		1"=90'	05/03/2022	257CK88613

NOTES:

-  MONITORING WELL (TYPE II)
-  MONITORING WELL (TYPE III)
-  RECOVERY WELL
-  DISSOLVED ETHYLBENZENE >10,000 ug/L
-  DISSOLVED ETHYLBENZENE 100-10,000 ug/L
-  DISSOLVED ETHYLBENZENE 1-100 ug/L
-  FP DETECTABLE FREE PRODUCT
-  MW-28 NO VALUE SHOWN INDICATES ETHYLBENZENE BELOW DETECTION LEVEL

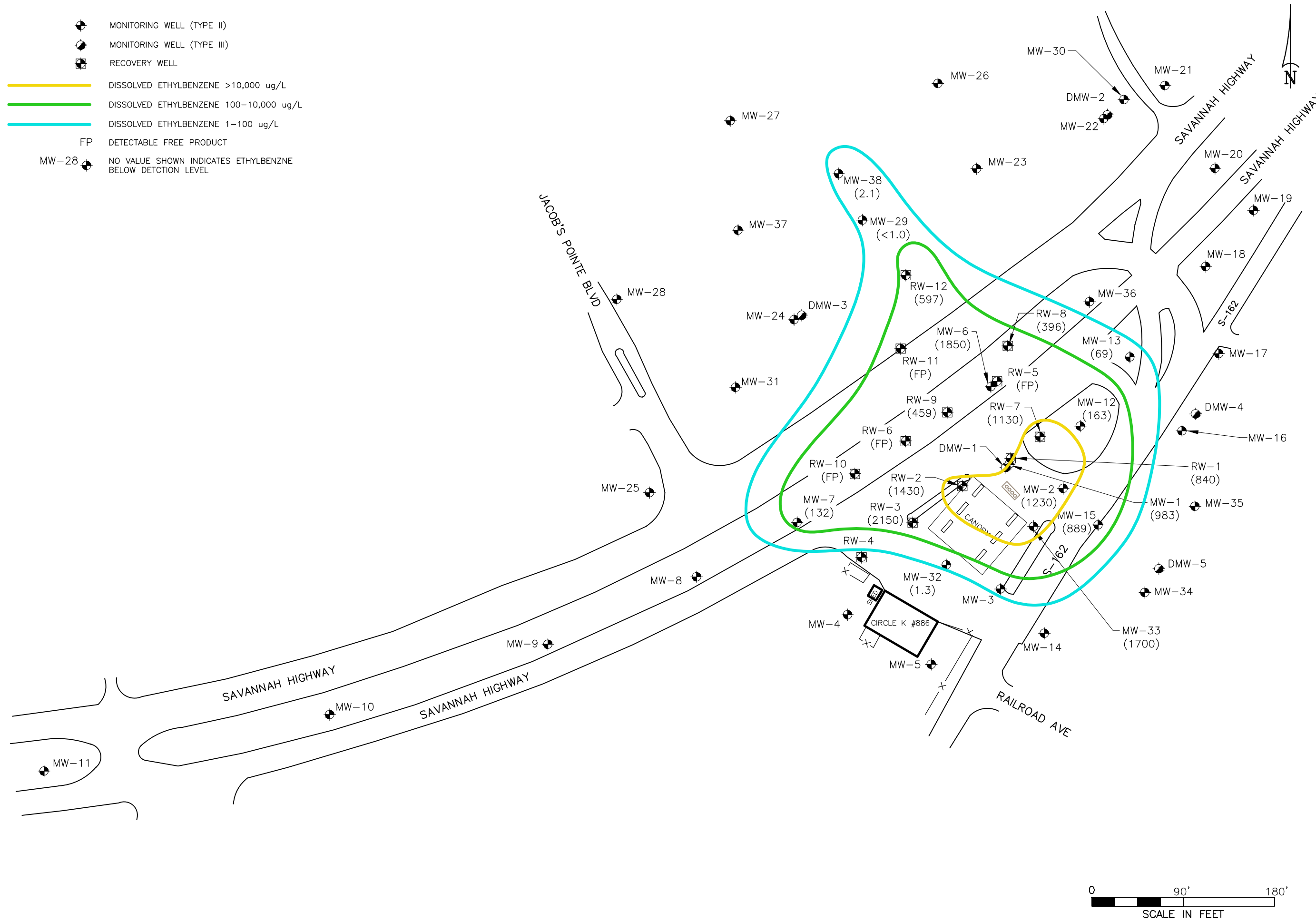


FIGURE 7
 UST PERMIT #01589
 ETHYLBENZENE ISOPLETH MAP FOR GROUNDWATER - MARCH 2022
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

NOTES:

CAD FILE
1252215.dwg

TYPE CODE
BH

REV. BY
BH

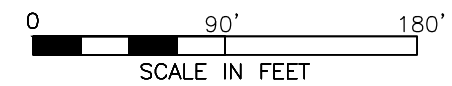
SCALE
1"=90'








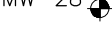
DATE
05/03/2022

PROJECT NO.
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-  MONITORING WELL (TYPE II)
-  MONITORING WELL (TYPE III)
-  RECOVERY WELL
-  DISSOLVED XYLENES >10,000 ug/L
-  DISSOLVED XYLENES 100-10,000 ug/L
-  DISSOLVED XYLENES 1-100 ug/L
-  FP DETECTABLE FREE PRODUCT
-  MW-28 NO VALUE SHOWN INDICATES XYLENES BELOW DETECTION LEVEL

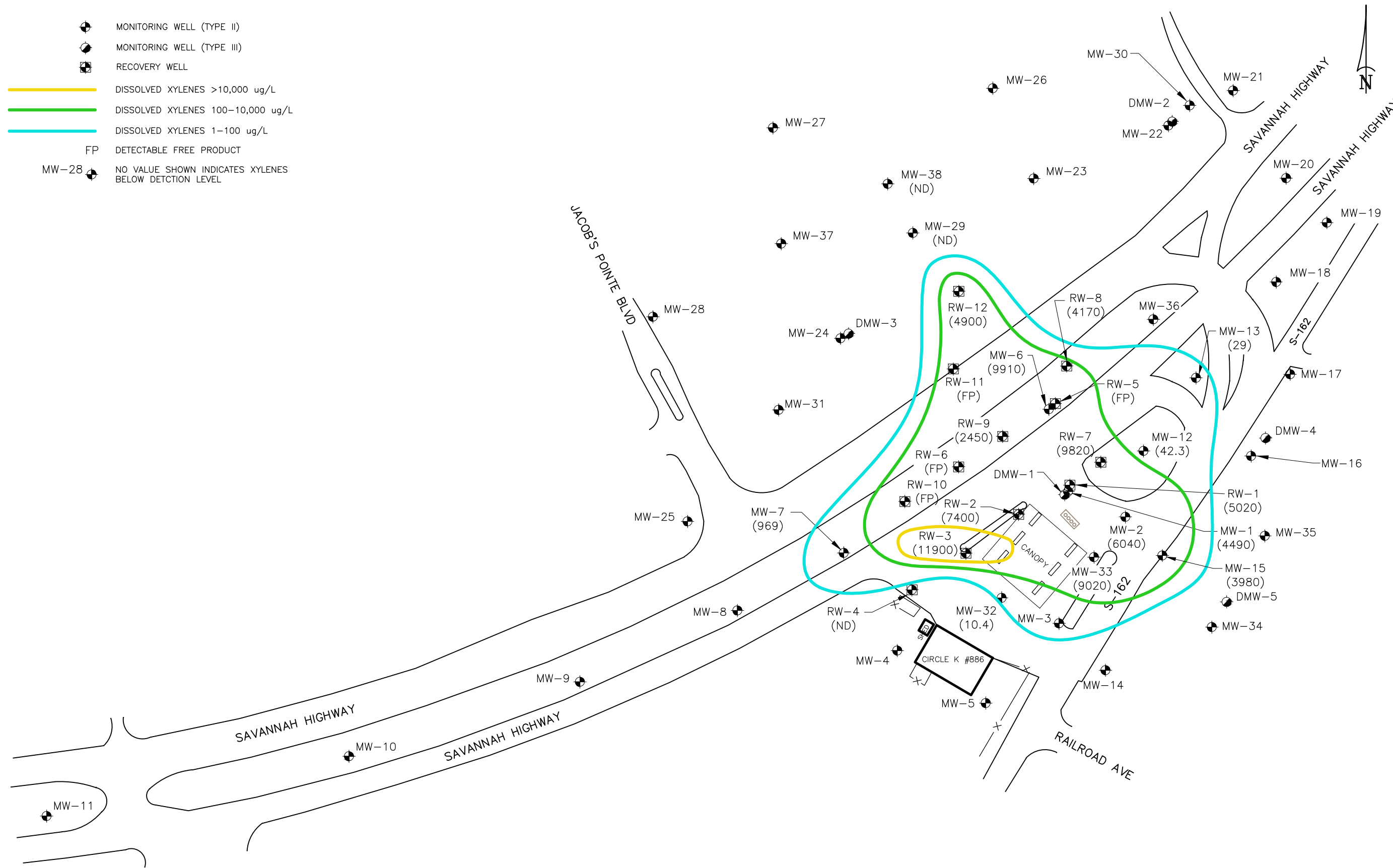


FIGURE 8
 XYLENES ISOPLETH MAP FOR GROUNDWATER - MARCH 2022
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

ATLAS
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UST PERMIT #01589

CAD FILE 1252215.dwg

TYPE CODE

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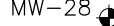
REV. BY

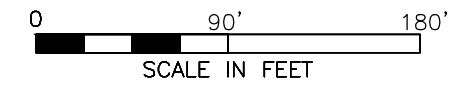
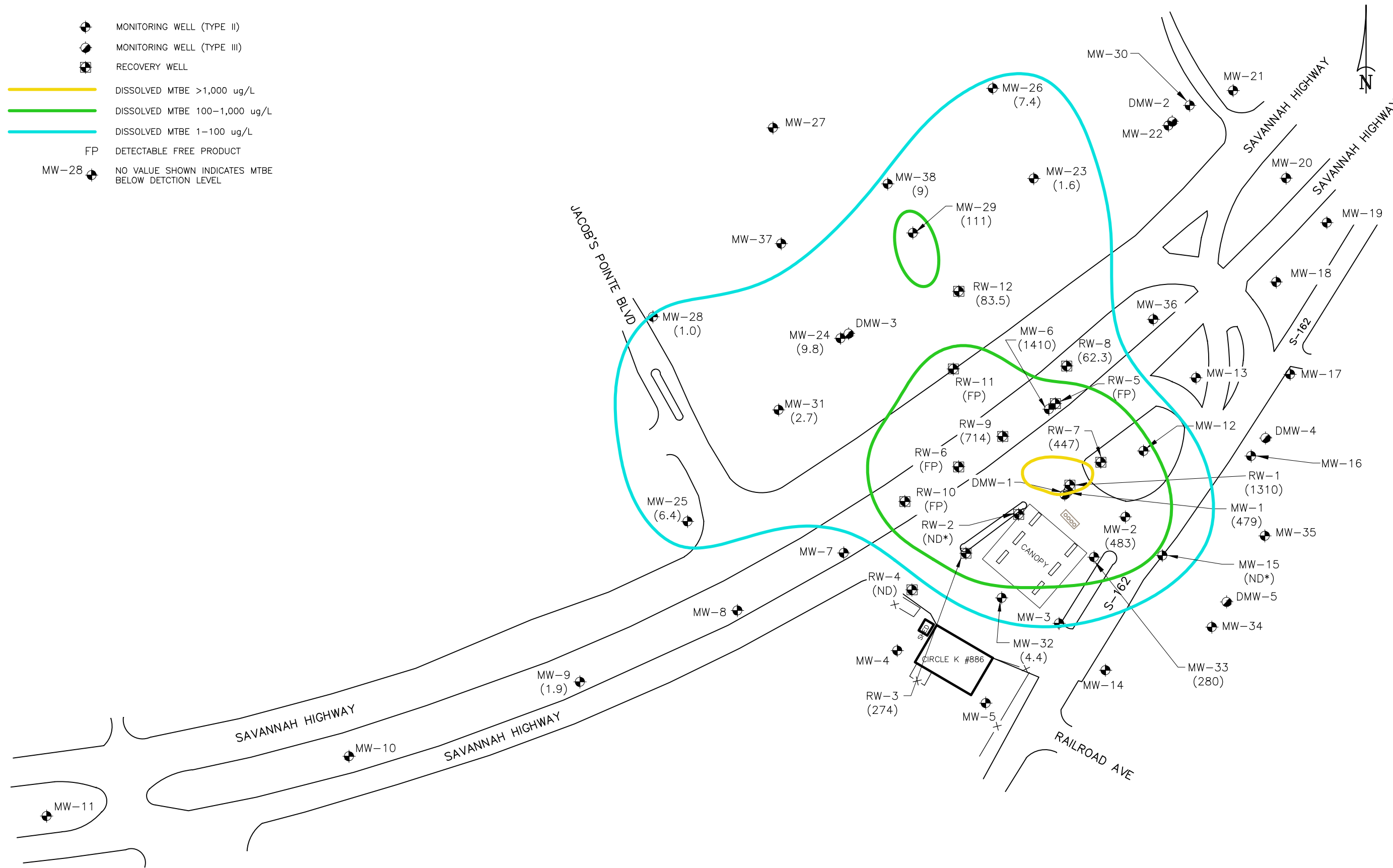
SCALE 1"=90'

DATE 05/03/2022

PROJECT NO. 257CK88613

NOTES:

-  MONITORING WELL (TYPE II)
-  MONITORING WELL (TYPE III)
-  RECOVERY WELL
-  DISSOLVED MTBE >1,000 ug/L
-  DISSOLVED MTBE 100-1,000 ug/L
-  DISSOLVED MTBE 1-100 ug/L
-  FP DETECTABLE FREE PRODUCT
-  MW-28 NO VALUE SHOWN INDICATES MTBE BELOW DETECTION LEVEL



UST PERMIT #01589
FIGURE 9
 MTBE ISOPLETH MAP FOR GROUNDWATER - MARCH 2022







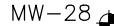

CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

NOTES:



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-  MONITORING WELL (TYPE II)
-  MONITORING WELL (TYPE III)
-  RECOVERY WELL
-  DISSOLVED NAPHTHALENE >100 ug/L
-  DISSOLVED NAPHTHALENE 1-100 ug/L
-  FP DETECTABLE FREE PRODUCT
-  MW-28 NO VALUE SHOWN INDICATES NAPHTHALENE BELOW DETECTION LEVEL
-  ND* ELEVATED SAMPLE DILUTION PREVENTED QUANTIFICATION ABOVE DETECTION LIMIT

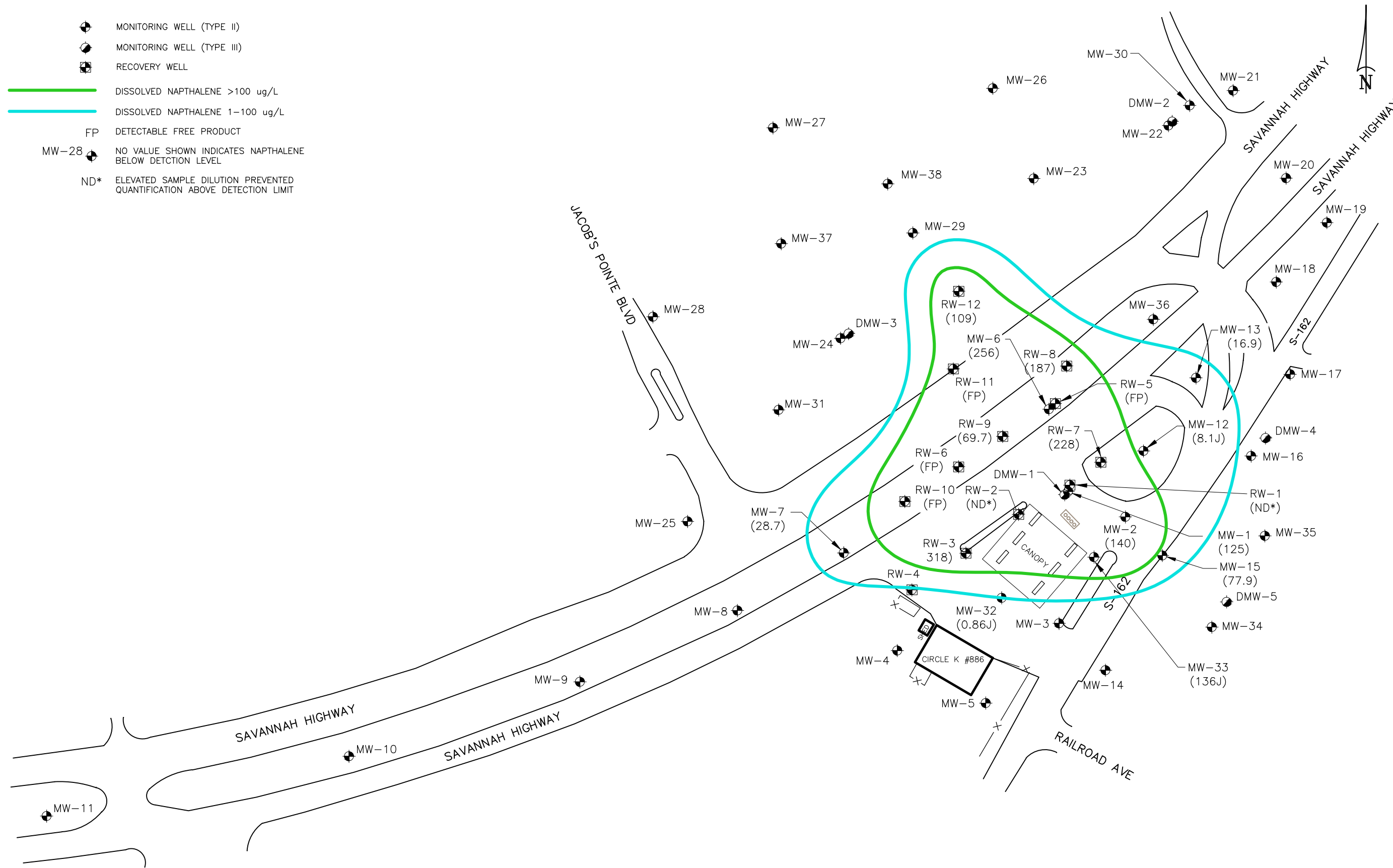
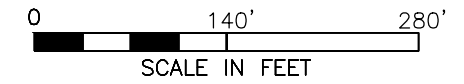


FIGURE 10
 NAPHTHALENE ISOPLETH MAP FOR GROUNDWATER - MARCH 2022
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

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NOTES:

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SW-3 ug/L SURFACE WATER 03/29/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-9 ug/L SURFACE WATER 03/30/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-8 ug/L SURFACE WATER 03/01/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-7 ug/L SURFACE WATER 03/30/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-6 ug/L SURFACE WATER 03/30/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-2 ug/L SURFACE WATER 03/29/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-4 ug/L SURFACE WATER 03/29/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-1 ug/L SURFACE WATER 03/30/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

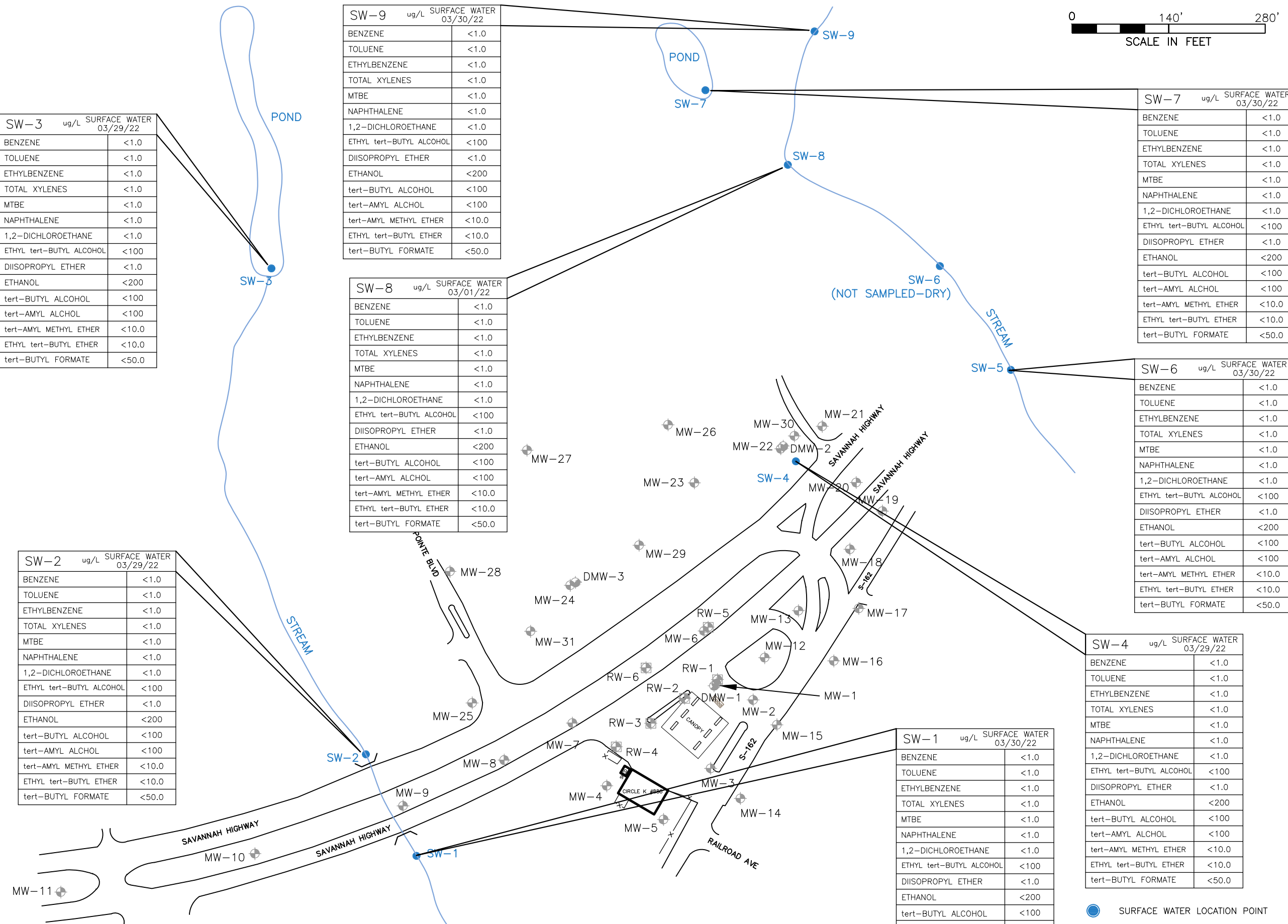


FIGURE 11

SURFICIAL WATER SAMPLE RESULTS
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

NOTES:

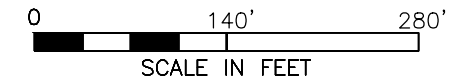
- SURFACE WATER LOCATION POINT
- + MONITORING WELL (TYPE II)
- x MONITORING WELL (TYPE III)
- + RECOVERY WELL



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WSW-16 ug/L WATER WELL 03/31/22	
BENZENE	<0.50
TOLUENE	<0.50
ETHYLBENZENE	<0.50
TOTAL XYLENES	<1
MTBE	<0.50
NAPHTHALENE	<0.50
1,2-DICHLOROETHANE	<0.50
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

WSW-12 ug/L WATER WELL 03/30/22	
BENZENE	<0.50
TOLUENE	<0.50
ETHYLBENZENE	<0.50
TOTAL XYLENES	<1
MTBE	<0.50
NAPHTHALENE	<0.50
1,2-DICHLOROETHANE	<0.50
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

WSW-13 ug/L WATER WELL 03/30/22	
BENZENE	<0.50
TOLUENE	<0.50
ETHYLBENZENE	<0.50
TOTAL XYLENES	<1
MTBE	<0.50
NAPHTHALENE	<0.50
1,2-DICHLOROETHANE	<0.50
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

MW-11

● WSW-15
(DECOMMISSIONED)

● WSW-16

● WSW-13

● WSW-12

- WATER SUPPLY WELL
- ⊕ MONITORING WELL (TYPE II)
- ⊙ MONITORING WELL (TYPE III)
- ⊠ RECOVERY WELL

FIGURE 12

WATER WELL SAMPLE RESULTS
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

NOTES:



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SCALE 1"=140'

DATE 05/03/2022

PROJECT NO. 257CK88613

APPENDIX A

FIELD DATA SHEETS



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/29/2022 Site ID #: 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration:
 pH, conductivity pH 4.0: Y or N N pH 7.0: Y or N N pH 10.0: Y or N N S.C.: Y or N 4.49
 Dissolved Oxygen (mg/L) DO: Y or N N
 Turbidity (NTU) Turb.: 0.0 NTU: Y or N N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-1 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.186, 4" well = 0.662 Method of Purging/Sample Collection: Bailor Pump
 MW RW Other Screened Interval (ft.): 2 Total Well Depth (TWD) (ft.): 12
 Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 5.93 Free Product Thickness (ft.):
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): Total Gallons Purged:

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	12:50					12:52
PH (s.u.)	4.75					
Specific Conductivity (µS/cm)	1450					
Water Temperature (°C)	22.58					
Turbidity (NTU)	63.7					
Dissolved Oxygen (mg/L)	1.30					

Sampling Data

Sampled By: B. Belding, J. Gray, E. Moore Sampling Time: 1252 Duplicate: Y or N Y N If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: *B. Belding* Total Gallons:
 GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/29/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore

County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration:

pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N 4.49

Dissolved Oxygen (mg/L) DO: Y or N

Turbidity (NTU) Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-2 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW # RW Other

Private-WSW Public-WSW

Depth to Free Product (DFP) (ft.): _____ Screened Interval (ft.): 2 Total Well Depth (TWD) (ft.): 12

Length of water column: _____ Depth to Groundwater (DGW) (ft.): 5.75 Free Product Thickness (ft.): _____

(LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): _____ Total Gallons Purged: _____

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	12:39					12:41
PH (s.u.)	7.74					
Specific Conductivity (µS/cm)	1420					
Water Temperature (°C)	21.46					
Turbidity (NTU)	78.8					
Dissolved Oxygen (mg/L)	1.41					

Sampling Data

Sampled By: B. Belding, J. Gray, E. Moore Sampling Time: 12:41 Duplicate: Y or N If yes, Duplicate Time: 12:43

Notes: Circle K Store 2720886 Signature: *B. Belding* Total Gallons: _____

DUP-1

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3 / 29 / 2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration: pH 4.0: or N pH 7.0: Y or N pH 10.0: Y or N S.C.: or N 4.49
 pH, conductivity DC: Y or N
 Dissolved Oxygen (mg/L) Turb.: 0.0 NTU: or N 1.0 NTU: Y or N 10.0 NTU: Y or N
 Turbidity (NTU)

Well Information

Well ID: MW- 3 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW Private-WSW Public-WSW Other

Depth to Free Product (DFP) (ft.): _____ Screened Interval (ft.): 12 Total Well Depth (TWD) (ft.): 12
 Length of water column (LWC = TWD - DGW) (ft.): _____ Depth to Groundwater (DGW) (ft.): 6.40 Free Product Thickness (ft.): _____
 Total Gallons Purged: _____

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
9.45							9:47
4.26							
16.70							
18.17							
65.1							
2.64							

Sampling Data

Sampled By: B. Belding, J. Gray, E. Moore Sampling Time: 9:47 Duplicate: Y or If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: *B. Belding* Total Gallons: _____

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: **3/29/2022** Site ID #: **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: **VYUXBPG9** Calibration: **Y** or N
 pH, conductivity pH 4.0: **Y** or N pH 7.0: Y or N pH 10.0: Y or N S.C.: **Y** or N 4.49
 Dissolved Oxygen (mg/L) DO: Y or N
 Turbidity (NTU) Turb.: 0.0 NTU: **Y** or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: **MW-4** Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW ~~Private-WSW~~ ~~Public-WSW~~ ~~Other~~ Screened Interval (ft.): **2** Total Well Depth (TWD) (ft.): **12**
 Depth to Free Product (DFP) (ft.): **6.15** Free Product Thickness (ft.): **12**
 Length of water column (LWC = TWD - DGW) (ft.): **---** 1 casing volume (CV = LWC x C) (gals.): **---** Total Gallons Purged: **---**

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	9:22							9:24
pH (s.u.)	5.79							
Specific Conductivity (µS/cm)	413							
Water Temperature (°C)	16.11							
Turbidity (NTU)	147							
Dissolved Oxygen (mg/L)	3.21							

Sampling Data

Sampled By: B. Belding, J. Gray, E. Moore Sampling Time: **9:24** Duplicate: Y or N
 If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: *B. Belding* Total Gallons: **---**

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3 / 29 / 2022 Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray, E. Moore

County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration: Method of Purging/Sample Collection: Bailor Pump

ph, conductivity pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N 4.49

Dissolved Oxygen (mg/L) DO: Y or N

Turbidity (NTU) Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-5 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Total Well Depth (TWD) (ft.): 12

MW #1: RW Other Screened Interval (ft.): 2 Free Product Thickness (ft.):

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 6.44 Total Gallons Purged:

Depth to Free Product (DFP) (ft.): 1 casing volume (CV = LWC x C) (gals.):

Length of water column (LWC = TWD - DGW) (ft.):

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
9:32						
6:31						9:34
199						
17.56						
147						
4.75						

Sampling Data

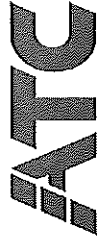
Sampled By: B. Beiding, J. Gray, E. Moore Sampling Time: 9:34 Duplicate: Y or N If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: *Bruce Beiding* Total Gallons:

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3 / 30 / 2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: *Cloudy / Sun* Ambient Air Temp (°F): *80*

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:

ph, conductivity 4.10, 4.49 Probe / HGS# VH0RX7EO pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-6 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW RW Other Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.): 12

Private-WSW Public-WSW

Depth to Free Product (DFP) (ft.): Free Product Thickness (ft.):

Length of water column (LWC = TWD - DFW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	1353					1553
PH (s.u.)	5.74					5.74
Specific Conductivity (µS/cm)	1230					1230
Water Temperature (°C)	22.52					22.52
Turbidity (NTU)	0.33					0.33
Dissolved Oxygen (mg/L)	1.13					1.13

Sampling Data

Sampled By: J. Gray Sampling Time: 1353 Duplicate: Y or N If yes, Duplicate Time:

Notes: Signature: *Joseph Perry* Total Gallons:

Colts



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



<p>Site Information</p> <p>Date: 3/30/2022 Site ID # 01589 Project Manager:</p> <p>County: Dorchester</p>		<p>Site Name: Circle K Store 2720886</p> <p>Field Personnel: B. Belding, J. Gray, E. Moore</p> <p>General Weather Conditions:</p> <p>Ambient Air Temp (°F):</p>																																																																	
<p>Quality Assurance</p> <p>Meter Name: Horiba multimeter</p> <p>Serial #: VYUXBPG9</p> <p>pH, conductivity</p> <p>Dissolved Oxygen (mg/L)</p> <p>Turbidity (NTU)</p>		<p>Calibration:</p> <p>pH 4.0: <input checked="" type="checkbox"/> or N</p> <p>pH 7.0: Y or N</p> <p>pH 10.0: Y or N</p> <p>DO: Y or N</p> <p>Turb.: 0.0 NTU: <input checked="" type="checkbox"/> or N</p> <p>1.0 NTU: Y or N</p> <p>10.0 NTU: Y or N</p>																																																																	
<p>Well Information</p> <p>Well ID: MW-7</p> <p>Well Diameter (in): 2</p> <p>Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652</p> <p>MW: <input checked="" type="checkbox"/> RW <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Private-WSW <input type="checkbox"/> Public-WSW <input type="checkbox"/></p>		<p>Method of Purging/Sample Collection: Bailor Pump</p> <p>Screened Interval (ft.): 2</p> <p>Total Well Depth (TWD) (ft.): 12</p> <p>Depth to Groundwater (DGW) (ft.): 4.18</p> <p>Free Product Thickness (ft.):</p> <p>1 casing volume (CV = LWC x C) (gals.):</p> <p>Total Gallons Purged:</p>																																																																	
<p>Purging Data</p> <table border="1"> <thead> <tr> <th>Initial</th> <th>1st Vol.</th> <th>2nd Vol.</th> <th>3rd Vol.</th> <th>4th Vol.</th> <th>5th Vol.</th> <th>Post</th> <th>Sampling</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>13:37</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>13:39</td> </tr> <tr> <td>5:63</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>17:50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>22:84</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>15:5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1:44</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling									13:37							13:39	5:63								17:50								22:84								15:5								1:44							
Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling																																																												
13:37							13:39																																																												
5:63																																																																			
17:50																																																																			
22:84																																																																			
15:5																																																																			
1:44																																																																			
<p>Sampling Data</p> <p>Sampled By: B. Belding, J. Gray, E. Moore</p> <p>Sampling Time: 1339</p> <p>Duplicate: Y or N</p> <p>if yes, Duplicate Time:</p> <p>Signature: <i>B. Belding</i></p> <p>Total Gallons:</p>																																																																			

GRAB



Underground Storage Tank Management Division Field Data Information Sheet -- Sampling



Site Information

Date: **3/30/2022** Site ID #: **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: **VYUXBPG9** Calibration: **Y** or N
 pH, conductivity pH 4.0: **Y** or N pH 7.0: Y or N pH 10.0: Y or N S.C.: **Y** or N 4.49
 Dissolved Oxygen (mg/L) DO: Y or N
 Turbidity (NTU) Turb.: 0.0 NTU: **Y** or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: **MW-8** Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW: **RW** Other: **2** Screened Interval (ft.): **12** Total Well Depth (TWD) (ft.): **12**
 Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): **3.94** Free Product Thickness (ft.): **---**
 Depth to Free Product (DFP) (ft.): **---** 1 casing volume (CV = LWC x C) (gals.): **---** Total Gallons Purged: **---**

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post
Volume Purged (gallons)						
Time (military)	13:24					13:26
PH (s.u.)	5.37					
Specific Conductivity (µS/cm)	190					
Water Temperature (°C)	22.45					
Turbidity (NTU)	20.5					
Dissolved Oxygen (mg/L)	1.37					

Sampling Data

Sampled By: B. Belding, J. Gray, E. Moore Duplicate: Y or N
 Sampling Time: **1326** If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: *Brenden Belding* Total Gallons: **GRAB**



Underground Storage Tank Management Division Field Data Information Sheet - Sampling



Site Information

Date: **3/30/2022** Site ID # **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore
 County: **Dorchester** Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: **Horiba multimeter** Serial #: **VYUXBPG9** Calibration: **Y**
 pH, conductivity: pH 4.0: **Y** or N pH 7.0: Y or N pH 10.0: Y or N S.C.: **Y** or N 4.49
 Dissolved Oxygen (mg/L): DO: Y or N
 Turbidity (NTU): Turb.: **0.0** NTU: **Y** or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: **MW-9** Well Diameter (in): **2** Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: **Bailer Pump**
 MW ~~Private-WSW~~ ~~Public-WSW~~ ~~Other~~ Screened Interval (ft.): **2** Total Well Depth (TWD) (ft.): **12**
 Depth to Free Product (DFP) (ft.): **3.35** Free Product Thickness (ft.): **---**
 Length of water column (LWC = TWD - DGW) (ft.): **---** 1 casing volume (CV = LWC x C) (gals.): **---** Total Gallons Purged: **---**

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	13:11						13:13
PH (s.u.)	6.02						
Specific Conductivity (µS/cm)	326						
Water Temperature (°C)	22.76						
Turbidity (NTU)	124						
Dissolved Oxygen (mg/L)	1.22						

Sampling Data

Sampled By: **B. Belding, J. Gray, E. Moore** Sampling Time: **1313** Duplicate: **Y** or **N** If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: *B. Belding* Total Gallons:

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: **3 / 30 / 2022** Site ID # **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: **VYUXBPG9** Calibration: pH 4.0: or N pH 7.0: Y or N pH 10.0: Y or N S.C.: or N 4.49
 ph, conductivity DO: Y or N
 Dissolved Oxygen (mg/L) Turb.: 0.0 NTU: or N 1.0 NTU: Y or N 10.0 NTU: Y or N
 Turbidity (NTU)

Well Information

Well ID: **MW-10** Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW RW Other
 Private-WSW Public-WSW

Depth to Free Product (DFP) (ft.): **---** Screened Interval (ft.): **12** Total Well Depth (TWD) (ft.): **12**
 Length of water column (LWC = TWD - DGW) (ft.): **---** Depth to Groundwater (DGW) (ft.): **3.53** Free Product Thickness (ft.): **---**
 Total Gallons Purged: **---**

Purging Data

Volume Purged (gallons)	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: B. Belding, J. Gray, E. Moore Sampling Time: **1259** Duplicate: Y or N
 if yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: *B. Belding* Total Gallons:

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: **3/29/2022** Site ID # **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: **VYUXBPG9** Calibration: pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N 4.49
 ph, conductivity DO: Y or N
 Dissolved Oxygen (mg/L) Turb.: **0.0** NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: **MW-11** Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW RW Other Screened Interval (ft.): **12** Total Well Depth (TWD) (ft.): **12**
 Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): **3.56** Free Product Thickness (ft.): **---**

Length of water column (LWC = TWD - DGW) (ft.): **---** 1 casing volume (CV = LWC x C) (gals.): **---** Total Gallons Purged: **---**

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	7:08						15:10
PH (s.u.)	8.706						
Specific Conductivity (µS/cm)	315						
Water Temperature (°C)	20.68						
Turbidity (NTU)	1000						
Dissolved Oxygen (mg/L)	1.69						

Sampling Data

Sampled By: B. Beiding, J. Gray, E. Moore Sampling Time: **1510** Duplicate: Y or N If yes, Duplicate Time: **---**

Notes: Circle K Store 2720886

Signature: *Bradley Beiding*

Total Gallons: **---**

GRAB



Underground Storage Tank Management Division Field Data Information Sheet -- Sampling



Site Information

Date: 3/29/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration: pH 4.0: or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N 4.49
 ph, conductivity DO: Y or N
 Dissolved Oxygen (mg/L) Turb.: 0.0 NTU: or N 1.0 NTU: Y or N 10.0 NTU: Y or N
 Turbidity (NTU)

Well Information

Well ID: MW-12 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW: MW-12 RW: Other
 Private-WSW: Public-WSW: Other

Depth to Free Product (DFP) (ft.): 587 Screened Interval (ft.): 12 Total Well Depth (TWD) (ft.): 12
 Free Product Thickness (ft.):

Length of water column 1 casing volume (CV = LWC x C) (gals.): Total Gallons Purged:

(LWC = TWD - DGW) (ft.):

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
13:01							13:03
6:32							
9:46							
20:99							
60.2							
2:38							

Sampling Data

Sampled By: B. Beiding, J. Gray, E. Moore Sampling Time: 1303 Duplicate: Y or N If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: Braden Beiding Total Gallons:

GRAB



Underground Storage Tank Management Division Field Data Information Sheet -- Sampling



Site Information

Date: **3/29/2022** Site ID # **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: **VYUXBPG9** Calibration: **Y** or **N** pH 4.0: **Y** or **N** pH 7.0: **Y** or **N** pH 10.0: **Y** or **N** S.C.: **Y** or **N** 4.49
 ph, conductivity DC: **Y** or **N**
 Dissolved Oxygen (mg/L) Turb.: **0.0** NTU: **Y** or **N** 1.0 NTU: **Y** or **N** 10.0 NTU: **Y** or **N**
 Turbidity (NTU)

Well Information

Well ID: **MW-13** Well Diameter (in): **2** Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: **Bailer Pump**
 MW RW Other Screened Interval (ft.): **12** Total Well Depth (TWD) (ft.): **12**
 Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): **521** Free Product Thickness (ft.):

Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): Total Gallons Purged:

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	13:23					13:25
PH (s.u.)	6.44					
Specific Conductivity (µS/cm)	637					
Water Temperature (°C)	21.84					
Turbidity (NTU)	29.3					
Dissolved Oxygen (mg/L)	2.34					

Sampling Data

Sampled By: B. Beiding, J. Gray, E. Moore Sampling Time: **1325** Duplicate: **Y** or **N** If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: *Braden Beiding* Total Gallons:

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/29/2022 Site ID #: 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration: pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N 4.49
 ph, conductivity DO: Y or N
 Dissolved Oxygen (mg/L) Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-1A Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.662 Method of Purging/Sample Collection: Bailor Pump
 MW RW Other Screened Interval (ft.): 2 Total Well Depth (TWD) (ft.): 12
 Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 6.79 Free Product Thickness (ft.):
 Depth to Free Product (DFP) (ft.): 1 casing volume (CV = LWC x C) (gals.): Total Gallons Purged:

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	9:58						10:00
PH (s.u.)	504						
Specific Conductivity (µS/cm)	897						
Water Temperature (°C)	17.04						
Turbidity (NTU)	419						
Dissolved Oxygen (mg/L)	2.06						

Sampling Data

Sampled By: B. Belding, J. Gray, E. Moore Duplicate: Y or N If yes, Duplicate Time:
 Sampling Time: 1000 Total Gallons:

Notes: Circle K Store 2720886 Signature: Braden Belding

BLOCKAGE @ ~ 8.25' BELOW TOC; GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/29/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: *clear* Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:

pH, conductivity: 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L): 9.83 DO: Y or N

Turbidity (NTU): 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-15 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW: RW: Other:

Private-WASW: Public-WASW:

Depth to Free Product (DFP) (ft.): 6.63 Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.): 12

Length of water column (LWC = TWD - DGW) (ft.): 1 1 casing volume (CV = LWC x C) (gals.): 6.63 Free Product Thickness (ft.):

5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	1249						1249
PH (s.u.)	5.86						5.86
Specific Conductivity (µS/cm)	156						156
Water Temperature (°C)	20.77						20.77
Turbidity (NTU)	15.1						15.1
Dissolved Oxygen (mg/L)	1.61						1.61

Sampling Data

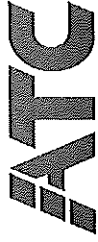
Sampled By: J. Gray Sampling Time: 1249 Duplicate: Y or N If yes, Duplicate Time:

Notes: *6000*

Signature: *J. Gray* Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Date: 3/27/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray
 County: Charleston Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F): 60

Meter Name: Florba multimeter Serial #: YPXN1DXL Calibration: pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N
 pH, conductivity 4.10, 4.49 DO: Y or N
 Dissolved Oxygen (mg/L) 9.83 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N
 Turbidity (NTU) 0.3

Well ID: MW-16 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW: ~~RAW~~ ~~Private-WSW~~ ~~Public-WSW~~ Other
 Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.): 12
 Depth to Free Product (DFP) (ft.): 5.33 Free Product Thickness (ft.):
 Length of water column 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

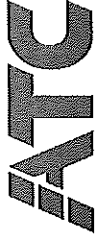
Purging Data							
Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	1459						1459
PH (s.u.)	5.70						5.70
Specific Conductivity (µS/cm)	212						212
Water Temperature (°C)	17.89						17.89
Turbidity (NTU)	72.1						72.1
Dissolved Oxygen (mg/L)	5.78						5.78

Sampled By: J. Gray Sampling Time: 1459 Duplicate: Y or N If yes, Duplicate Time:
 Signature: *J. Gray* Total Gallons:

Notes: *60 gals*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information
 Date: 3/27/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray
 County: Charleston Project Manager: Fred Lyke General Weather Conditions: (Sun) Ambient Air Temp (°F): 60.0

Quality Assurance
 Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:
 pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N
 Dissolved Oxygen (mg/L) 9.83 DO: Y or N
 Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information
 Well ID: MW-17 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW RW Private-WSW Public-WSW Other
 Screened interval (ft.): 2-12 Total Well Depth (TWD) (ft.): 12
 Depth to Free Product (DFP) (ft.): 5.39 Free Product Thickness (ft.):
 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

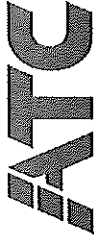
Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	1448						1449
pH (s.u.)	5.87						5.87
Specific Conductivity (µS/cm)	273						273
Water Temperature (°C)	18.70						18.90
Turbidity (NTU)	20.9						20.9
Dissolved Oxygen (mg/L)	1.60						1.60

Sampling Data
 Sampled By: J. Gray Sampling Time: 1449 Duplicate: Y or N If yes, Duplicate Time:
 Signature: Joseph Gray
 Total Gallons:

Notes: *6000*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/24/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F): 60°

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:

pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-18 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW RW Other

Private-WSW Public-WSW

Depth to Free Product (DFP) (ft.):

Length of water column (LWC = TWD - DGW) (ft.):

Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.): 12

Free Product Thickness (ft.):

5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	1721						1721
PH (s.u.)	7.82						7.82
Specific Conductivity (µS/cm)	611						211
Water Temperature (°C)	19.57						19.57
Turbidity (NTU)	0.0						0.0
Dissolved Oxygen (mg/L)	2.65						2.65

Sampling Data

Sampled By: J. Gray Sampling Time: 1721 Duplicate: Y or N If yes, Duplicate Time:

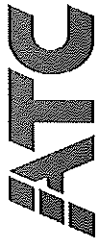
Notes:

Signature: *J. Gray*

Total Gallons: *6000*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information
 Date: 3 / /2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray
 County: Charleston Project Manager: Fred Lyke General Weather Conditions: Clear Ambient Air Temp (°F): 61

Quality Assurance
 Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:
 pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N
 Dissolved Oxygen (mg/L) 9.83 DO: Y or N
 Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information
 Well ID: MW-19 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW Private-WSW Public-WSW Other Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.): 12

Depth to Free Product (DFP) (ft.): 5.22 Free Product Thickness (ft.):
 Length of water column (LWC = TWD - DFGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

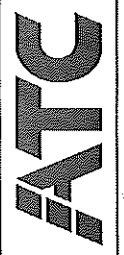
Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post
Volume Purged (gallons)						
Time (military)	707					1207
PH (s.u.)	4.96					4.96
Specific Conductivity (µS/cm)	128					128
Water Temperature (°C)	17.96					17.96
Turbidity (NTU)	0.0					0.0
Dissolved Oxygen (mg/L)	1.38					1.38

Sampling Data
 Sampled By: J. Gray Sampling Time: 1407 Duplicate: Y or N
 if yes, Duplicate Time:

Notes: Signature: *J. Gray* Total Gallons: 6196



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Date: **3 / 29 / 2022** Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: *Clear* Ambient Air Temp (°F): *64*

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:
 pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N
 Dissolved Oxygen (mg/L) 9.83 DO: Y or N
 Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: **MW-20** Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW Private-WSW RW Other Screened Interval (ft.): *2-12* Total Well Depth (TWD) (ft.): *12*

Depth to Free Product (DFP) (ft.): *4.13* Free Product Thickness (ft.):

Length of water column (LWC = TWD - DFP) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
<i>25</i>							<i>25</i>
<i>13.5</i>							<i>13.5</i>
<i>5.6</i>							<i>5.6</i>
<i>365</i>							<i>365</i>
<i>19.5</i>							<i>19.5</i>
<i>0.0</i>							<i>0.0</i>
<i>1.8</i>							<i>1.8</i>

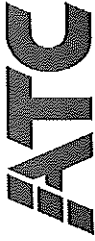
Sampled By: J. Gray Sampling Time: *13:54* Duplicate: Y or N If yes, Duplicate Time:

Notes: Signature: *Joseph Gray* Total Gallons:

6000



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/28/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: 60° Ambient Air Temp (°F): 60°

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:

ph, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-21 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailer Pump

MW ~~Private-WASW~~ ~~Public-WASW~~ Other

Depth to Free Product (DFP) (ft.): 2.32 Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.):

Length of water column (LWC = TWD - DGM) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	1414						1419
PH (s.u.)	6.19						6.14
Specific Conductivity (µS/cm)	256						256
Water Temperature (°C)	21.27						21.27
Turbidity (NTU)	67.3						67.3
Dissolved Oxygen (mg/L)	5.19						5.19

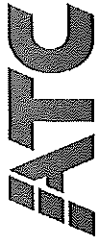
Sampling Data

Sampled By: J. Gray Sampling Time: 1419 Duplicate: Y or N if yes, Duplicate Time:

Notes: Signature: J. Gray Total Gallons: 6000



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information
 Date: 3/28/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray
 County: Charleston Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance
 Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:
 pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N
 Dissolved Oxygen (mg/L) 9.83 DO: Y or N
 Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information
 Well ID: MW-22 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW RW Other
 Private-WSW Public-WSW

Depth to Free Product (DFP) (ft.):
 Length of water column (LWC = TWD - DGW) (ft.):
 1 casing volume (CV = LWC x C) (gals.):
 5 casing volumes (5 x CV) (gals.):

Purging Data

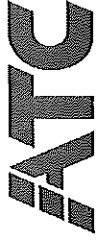
Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	1707					1738
pH (s.u.)	7.81					7.81
Specific Conductivity (µS/cm)	15					20.55
Water Temperature (°C)	20.00					0.8
Turbidity (NTU)	0.8					1.83
Dissolved Oxygen (mg/L)	1.83					

Screened Interval (ft.): 2-12
 Total Well Depth (TWD) (ft.): 12
 Free Product Thickness (ft.):
 Duplicate: Y or N

Sampling Time: 1738
 Sampled By: J. Gray
 Signature: *J. Gray*
 Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

Date: 3/29/2022 Project Manager: Fred Lyke General Weather Conditions: *Clear* Ambient Air Temp (°F): *50's*

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration: S.C.: (Y) or N

pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well ID: MW-23 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW RW Other Screened Interval (ft.): *5-15* Total Well Depth (TWD) (ft.): *15*

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): *8.78* Free Product Thickness (ft.):

Depth to Free Product (DFP) (ft.): 1 casing volume (CV = LWC x C) (gals.):

Length of water column (LWC = TWD - DGW) (ft.): 5 casing volumes (5 x CV) (gals.):

	Purging Data				
	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.
Initial					
Volume Purged (gallons)					
Time (military)	<i>0849</i>				
PH (s.u.)	<i>4.55</i>				<i>0849</i>
Specific Conductivity (µS/cm)	<i>143</i>				<i>143</i>
Water Temperature (°C)	<i>16.56</i>				<i>16.56</i>
Turbidity (NTU)	<i>17.9</i>				<i>17.9</i>
Dissolved Oxygen (mg/L)	<i>2.43</i>				<i>2.43</i>

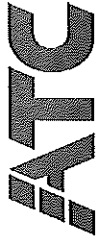
Sampled By: J. Gray Sampling Time: *0849* Duplicate: Y or N If yes, Duplicate Time:

Notes: Signature: Total Gallons:

68000



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Date: 3/29/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray
 County: Charleston Project Manager: Fred Lyke General Weather Conditions: clear Ambient Air Temp (°F): 50.3

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration: _____
 pH, conductivity: 4.10, 4.49 Probe / HGS# VHORX7EO pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N
 Dissolved Oxygen (mg/L): 9.83 DO: Y or N
 Turbidity (NTU): 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information
 Well ID: MW-24 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.662 Method of Purging/Sample Collection: Bailor Pump
 MW Private-WSW Public-WSW Other Screened Interval (ft.): 5-15 Total Well Depth (TWD) (ft.): 5

Depth to Free Product (DFP) (ft.): _____ Free Product Thickness (ft.): _____
 Length of water column (LWC = TWD - DGW) (ft.): 8.02
 1 casing volume (CV = LWC x C) (gals.): _____ 5 casing volumes (5 x CV) (gals.): _____

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	<u>0903</u>						<u>0903</u>
PH (s.u.)	<u>7.53</u>						<u>7.53</u>
Specific Conductivity (µS/cm)	<u>207</u>						<u>207</u>
Water Temperature (°C)	<u>16.50</u>						<u>16.50</u>
Turbidity (NTU)	<u>1.7</u>						<u>1.7</u>
Dissolved Oxygen (mg/L)	<u>3.09</u>						<u>3.09</u>

Sampling Data
 Sampled By: J. Gray Sampling Time: 0903 Duplicate: Y or N N If yes, Duplicate Time: _____

Notes: _____ Signature: J. Gray Total Gallons: _____



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: **3/29/2022** Site ID #: **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: **VYUXBPG9** Calibration: **Y** or **N** pH 4.0: **Y** or **N** pH 7.0: **Y** or **N** pH 10.0: **Y** or **N** S.C.: **Y** or **N** 4.49
 pH, conductivity DO: **Y** or **N**
 Dissolved Oxygen (mg/L) Turb.: **0.0** NTU: **Y** or **N** 1.0 NTU: **Y** or **N** 10.0 NTU: **Y** or **N**
 Turbidity (NTU)

Well Information

Well ID: **MW-25** Well Diameter (in): **2** Conversion Factor (C): 1" well = 0.047, 2" well = 0.186, 4" well = 0.652 Method of Purging/Sample Collection: **Bailer**
 MW **4W** ~~RAW~~ ~~Other~~ Screened Interval (ft.): **2** Total Well Depth (TWD) (ft.): **12**
 Private-WSW ~~Public-WSW~~ Depth to Groundwater (DGW) (ft.): **2.09** Free Product Thickness (ft.): **—**
 Depth to Free Product (DFP) (ft.): **—** 1 casing volume (CV = LWC x C) (gals.): **—** Total Gallons Purged: **—**
 Length of water column (LWC = TWD - DGW) (ft.): **—**

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	11:34						11:36
pH (s.u.)	5.84						
Specific Conductivity (µS/cm)	238						
Water Temperature (°C)	19.21						
Turbidity (NTU)	3.7						
Dissolved Oxygen (mg/L)	1.51						

Sampling Data

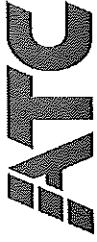
Sampled By: B. Belding, J. Gray, E. Moore Duplicate: **Y** or **N** if yes, Duplicate Time:
 Sampling Time: **1136**

Notes: Circle K Store 2720886 Signature: *Braden Belding* Total Gallons:

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/28/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: Clear Ambient Air Temp (°F): 60.5

Quality Assurance

Meter Name: Horiba multimeter Serial # YPXN1DXL Calibration:

ph, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-26 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW RW Other Screened Interval (ft.): 5-15 Total Well Depth (TWD) (ft.): 15

Private-WSW Public-WSW Depth to Free Product (DFP) (ft.): 8.32 Free Product Thickness (ft.):

Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	1448						1478
PH (s.u.)	7.62						7.64
Specific Conductivity (µS/cm)	278						278
Water Temperature (°C)	19.33						19.35
Turbidity (NTU)	0.2						0.2
Dissolved Oxygen (mg/L)	2.77						2.79

Sampling Data

Sampled By: J. Gray Sampling Time: 1448 Duplicate: Y or N (N) if yes, Duplicate Time:

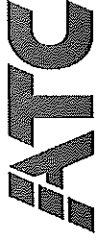
Notes: *Carb*

Signature: *Joseph Gray*

Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:

pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-27 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW RW Other

Private-WSW Public-WSW

Screened Interval (ft.): 5.15 Total Well Depth (TWD) (ft.): 1.5

Depth to Free Product (DFP) (ft.): Depth to Groundwater (DGW) (ft.): 7.97 Free Product Thickness (ft.):

Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
- .25							- .25
0.917							0.917
1.53							1.53
1.62							1.62
16.37							16.37
1.5							1.5
2.74							2.74

Sampling Data

Sampled By: J. Gray Sampling Time: 0917 Duplicate: Y or N If yes, Duplicate Time:

Notes: Signature: J. Gray Total Gallons:

6.000



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

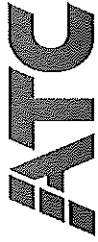


Site Information							
Date: 3/29/2022	Site ID #: 01589						
County: Dorchester	Project Manager:						
Site Name: Circle K Store 2720886	Field Personnel: B. Belding, J. Gray, E. Moore						
General Weather Conditions: _____ Ambient Air Temp (°F): _____							
Quality Assurance							
Meter Name: Horiba multimeter	Serial #: VYUXBPG9						
ph, conductivity	Calibration: _____						
Dissolved Oxygen (mg/L)	pH 4.0: Y or N						
Turbidity (NTU)	DO: Y or N						
	Turb.: 0.0 NTU: Y or N						
	1.0 NTU: Y or N						
	10.0 NTU: Y or N						
Well Information							
Well ID: MW-28	Well Diameter (in): 2						
	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652						
MW RAW _____ Other _____	Method of Purging/Sample Collection: Bailer Pump						
Private-WSW _____ Public-WSW _____	Screened Interval (ft.): 12						
Depth to Free Product (DFP) (ft.): _____	Total Well Depth (TWD) (ft.): 12						
Length of water column (LWC = TWD - DGW) (ft.): _____	Free Product Thickness (ft.): _____						
	Total Gallons Purged: _____						
Purging Data							
Volume Purged (gallons)	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Time (military)	11:23						11:25
PH (s.u.)	5.04						
Specific Conductivity (µS/cm)	342						
Water Temperature (°C)	19.24						
Turbidity (NTU)	667						
Dissolved Oxygen (mg/L)	345						
Sampling Data							
Sampled By: B. Belding, J. Gray, E. Moore	Sampling Time: 1125	Duplicate: Y or N	If yes, Duplicate Time: _____				
Notes: Circle K Store 2720886							
Signature: <i>Braden Belding</i>							Total Gallons: _____

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/29/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: Clear Ambient Air Temp (°F): 50.5

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:

pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-29 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW Private-WSW Public-WSW Other Screened Interval (ft.): 5-15 Total Well Depth (TWD) (ft.): 15

Depth to Free Product (DFP) (ft.): Depth to Groundwater (DGM) (ft.): 8.05 Free Product Thickness (ft.):

Length of water column (LWC = TWD - DGM) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)								1.25
Time (military)	0929							0959
PH (s.u.)	4.23							4.23
Specific Conductivity (µS/cm)	226							220
Water Temperature (°C)	17.67							17.67
Turbidity (NTU)	1.4							1.4
Dissolved Oxygen (mg/L)	1.35							1.35

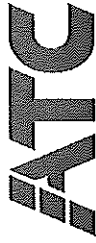
Sampling Data

Sampled By: J. Gray Sampling Time: 0959 Duplicate: Y of N If yes, Duplicate Time:

Notes: Signature: J. Gray Total Gallons: 6 gals



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/28/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F): 60.5

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:

pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-30 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW RW Other Private-WSW Public-WSW Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.):

Depth to Free Product (DFP) (ft.): 1.52 Free Product Thickness (ft.):

Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	1729						1929
pH (s.u.)	5.17						5.17
Specific Conductivity (µS/cm)	38						138
Water Temperature (°C)	20.30						20.30
Turbidity (NTU)	4.7						4.7
Dissolved Oxygen (mg/L)	3.34						3.14

Sampling Data

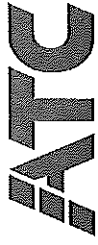
Sampled By: J. Gray Sampling Time: 1929 Duplicate: Y or N If yes, Duplicate Time:

Notes: Signature: Total Gallons:

Concilio



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/09/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: Clear Ambient Air Temp (°F): 50.3

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:

pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-31 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW: RW Other Private-WSW Public-WSW Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.): 12

Depth to Free Product (DFP) (ft.): Depth to Groundwater (DGW) (ft.): 2.02 Free Product Thickness (ft.):

Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)							25
Time (military)	0929						0929
pH (s.u.)	5.01						5.01
Specific Conductivity (µS/cm)	178						178
Water Temperature (°C)	17.01						17.09
Turbidity (NTU)	49.6						49.6
Dissolved Oxygen (mg/L)	1.56						1.56

Sampling Data

Sampled By: J. Gray Sampling Time: 0929 Duplicate: Y or (N) if yes, Duplicate Time:

Notes: Signature: J. Gray Total Gallons: 1

6000



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/29/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore

County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration:

pH, conductivity pH 4.0: or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N 4.49

Dissolved Oxygen (mg/L) DO: Y or N

Turbidity (NTU) Turb.: 0.0 NTU: or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-32 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW RW Other Screened Interval (ft.): 2 Total Well Depth (TWD) (ft.): 12

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 662 Free Product Thickness (ft.):

Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): Total Gallons Purged:

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	10:39						9:10:41
PH (s.u.)	6.22						
Specific Conductivity (µS/cm)	845						
Water Temperature (°C)	20.35						
Turbidity (NTU)	159						
Dissolved Oxygen (mg/L)	5.92						

Sampling Data

Sampled By: B. Belding, J. Gray, E. Moore Duplicate: Y or N If yes, Duplicate Time:

Sampling Time: 1041

Notes: Circle K Store 2720886 Signature: Braden Belding Total Gallons:

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: **3/29/2022** Site ID # **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: **VYUXBPG9** Calibration: **Y**
 pH, conductivity pH 4.0: **Y** or N pH 7.0: Y or N pH 10.0: Y or N S.C.: **Y** or N 4.49
 Dissolved Oxygen (mg/L) DO: Y or N
 Turbidity (NTU) Turb.: **0.0** NTU: **Y** or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: **MW-33** Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW RW Other Screened Interval (ft.): **2** Total Well Depth (TWD) (ft.): **12**
 Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): **6.23** Free Product Thickness (ft.): **---**
 Length of water column 1 casing volume (CV = LWC x C) (gals.): Total Gallons Purged:

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	10:51					
PH (s.u.)	5.84					1053
Specific Conductivity (µS/cm)	1650					
Water Temperature (°C)	19.53					
Turbidity (NTU)	55.9					
Dissolved Oxygen (mg/L)	1.33					

Sampling Data

Sampled By: B. Belding, J. Gray, E. Moore Sampling Time: **1053** Duplicated Y or N: **Y** If yes, Duplicate Time: **1055**
 Total Gallons:

Notes: Circle K Store 2720886

Signature: *B. Belding*

DUP-2

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Date: 3 / 29 / 2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray
 County: Charleston Project Manager: Fred Lyke General Weather Conditions: Partly Cloudy Ambient Air Temp (°F): 60.5

Quality Assurance
 Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration: Method of Purging/Sample Collection: Bailor Pump
 pH, conductivity: 4.10, 4.49 Probe / HGS# VHORX7EO pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N
 Dissolved Oxygen (mg/L): 9.83 DO: Y or N
 Turbidity (NTU): 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information
 Well ID: MW-34 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.662
 MW #W: RW Other: Screened Interval (ft.): 3-13 Total Well Depth (TWD) (ft.): 13
 Private-WSW: Public-WSW: Depth to Free Product (DFP) (ft.): 10.22 Free Product Thickness (ft.):

Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.):
 Purging Data
 5 casing volumes (5 x CV) (gals.):

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	1259					1259
PH (s.u.)	5.03					5.03
Specific Conductivity (µS/cm)	108					108
Water Temperature (°C)	18.81					18.81
Turbidity (NTU)	5.1					5.1
Dissolved Oxygen (mg/L)	2.01					2.01

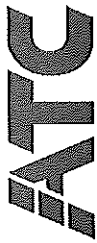
Sampled By: J. Gray Sampling Time: 1259 Duplicate: Y or N If yes, Duplicate Time:

Signature: *J. Gray* Total Gallons:

Notes: *6000*



Underground Storage Tank Management Division Field Data Information Sheet - Sampling



Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

Date: 3/27/2022 Project Manager: Fred Lyke General Weather Conditions: Clear Ambient Air Temp (°F): 60.3

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration: Method of Purging/Sample Collection: Bailor Pump

ph, conductivity: 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L): 9.83 DO: Y or N

Turbidity (NTU): 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-35 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652

MW: RW Other Screened Interval (ft.): 9.13 Total Well Depth (TWD) (ft.): 13

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 9.03 Free Product Thickness (ft.):

Depth to Free Product (DFP) (ft.): 5 casing volumes (5 x CV) (gals.):

Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.):

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
2.25							2.25
13.11							13.11
4.66							4.66
2.76							2.76
18.57							18.57
3.1							3.1
4.73							4.73

Sampling Data

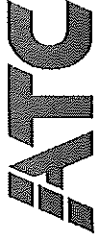
Sampled By: J. Gray Sampling Time: 1:31 Duplicate: Y or N If yes, Duplicate Time:

Notes: Signature: J. Gray Total Gallons:

6.2MS



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/30/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: *Clear - High clouds* Ambient Air Temp (°F): 70°

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:

pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-36 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.662 Method of Purging/Sample Collection: Bailor Pump

MW Private-WSW Public-WSW Other Screened Interval (ft.): 3-13 Total Well Depth (TWD) (ft.): 13

Depth to Free Product (DFP) (ft.): 1.22 Free Product Thickness (ft.):

Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)							25
Time (military)	1405						1405
PH (s.u.)	5.92						5.92
Specific Conductivity (µS/cm)	712						712
Water Temperature (°C)	21.51						21.51
Turbidity (NTU)	9.3						9.3
Dissolved Oxygen (mg/L)	2.01						2.01

Sampling Data

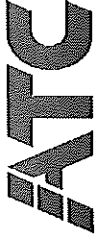
Sampled By: J. Gray Sampling Time: 1405 Duplicate: Y or N If yes, Duplicate Time:

Notes: Signature: *J. Gray* Total Gallons: 65

GRIS



Underground Storage Tank Management Division Field Data Information Sheet - Sampling



Site Information
 Date: 3/9/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray
 County: Charleston Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance
 Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:
 pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N
 Dissolved Oxygen (mg/L) 9.83 DO: Y or N
 Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information
 Well ID: MW-37 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
 Method of Purging/Sample Collection: Bailor Pump
 MW RW Other
 Private-WSW Public-WSW

Depth to Free Product (DFP) (ft.): 4.28
 Screened Interval (ft.): 3-13
 Total Well Depth (TWD) (ft.): 13
 Free Product Thickness (ft.):
 Length of water column (LWC = TWD - DGW) (ft.):
 1 casing volume (CV = LWC x C) (gals.):
 5 casing volumes (5 x CV) (gals.):

Purging Data

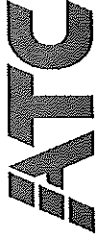
Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
0833							0833
1483							1483
0.0							0.0
2.37							2.37

Sampling Data
 Sampled By: J. Gray Sampling Time: 0833 Duplicate: Y or N
 If yes, Duplicate Time:

Notes: Signature: J. Gray
 Total Gallons: 13



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/28/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:

pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-38 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW #4W _____ Other _____

Private-WSW _____ Public-WSW _____

Depth to Free Product (DFP) (ft.): Screened Interval (ft.): 3-13

Free Product Thickness (ft.):

Length of water column (LWC = TWD - DFW) (ft.): 9.78

1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
0948							0948
9.36							9.36
2.65							2.65
17.16							17.16
1.6							1.6
1.78							1.78

Sampling Data

Sampled By: J. Gray Sampling Time: 0948 Duplicate: Y or N (N) If yes, Duplicate Time:

Notes: Signature: J. Gray Total Gallons:

6.00



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: **3/29/2022** Site ID #: **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: **VYUXBPG9** Calibration: **Y or N** pH 4.0: **Y or N** pH 7.0: **Y or N** pH 10.0: **Y or N** S.C.: **Y or N** 4.49
 ph, conductivity DO: **Y or N**
 Dissolved Oxygen (mg/L) Turb.: **0.0 NTU: Y or N** 1.0 NTU: **Y or N** 10.0 NTU: **Y or N**
 Turbidity (NTU)

Well Information

Well ID: **DMW-1** Well Diameter (in): **2** Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW: **RW** Other: **34** Screened Interval (ft.): **39** Total Well Depth (TWD) (ft.): **39**
 Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): **6.32** Free Product Thickness (ft.): **---**
 Depth to Free Product (DFP) (ft.): **---** 1 casing volume (CV = LWC x C) (gals.): **5.42** Total Gallons Purged: **6.75**
 Length of water column (LWC = TWD - DGW) (ft.): **32.68**

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post
Volume Purged (gallons)						
Time (military)	13:42	13:49				13:53
pH (s.u.)	7.32	7.44				
Specific Conductivity (µS/cm)	391	378				
Water Temperature (°C)	23.39	23.43				
Turbidity (NTU)	0.0	837				
Dissolved Oxygen (mg/L)	3.29	3.21				

Sampling Data

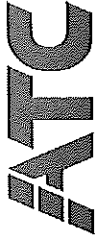
Sampled By: B. Belding, J. Gray, E. Moore Duplicate: **Y or N** If yes, Duplicate Time:
 Sampling Time: **1353**

Notes: Circle K Store 2720886 Signature: *B. Belding* Total Gallons: **6.75**

DRY @ 1ST Vol. + 1.25 GALS.



Underground Storage Tank Management Division Field Data Information Sheet - Sampling



Site ID #01589

Site Name: Circle K 2720886

Field Personnel: J. Gray

County: Charleston

Project Manager: Fred Lyke

General Weather Conditions:

Ambient Air Temp (°F):

Meter Name: Horiba multimeter

Serial #: YPXN1DXL

Calibration:

pH, conductivity: 4.10, 4.49

Probc: HGS# YHORX7E0

pH 4.0: (Y) or N

pH 7.0: Y or N

pH 10.0: Y or N

S.C.: (Y) or N

Dissolved Oxygen (mg/L): 9.83

DO: Y or N

Turbidity (NTU): 0.3

Turb.: 0.0 NTU: (Y) or N

1.0 NTU: Y or N

10.0 NTU: Y or N

Well ID: MW-2

Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652

Method of Purging/Sample Collection: Bailor Pump

MW: RW Other

Screened Interval (ft.): 34-39

Total Well Depth (TWD) (ft.): 39

Private-WSW Public-WSW

Depth to Groundwater (DGW) (ft.): 5.11

Free Product Thickness (ft.):

Depth to Free Product (DFP) (ft.):

1 casing volume (CV = LWC x C) (gals.): 5.62

5 casing volumes (5 x CV) (gals.):

Length of water column (LWC = TWD - DGW) (ft.): 33.89

Purging Data

Volume Purged (gallons)

Time (military)

PH (s.u.)

Specific Conductivity (µS/cm)

Water Temperature (°C)

Turbidity (NTU)

Dissolved Oxygen (mg/L)

Initial

1st Vol.

2nd Vol.

3rd Vol.

4th Vol.

5th Vol.

Post

Sampling

Volume Purged (gallons): 1126

Time (military): 2:38

PH (s.u.): 3.88

Specific Conductivity (µS/cm): 19.01

Water Temperature (°C): 8.0

Turbidity (NTU): 2.24

Dissolved Oxygen (mg/L): 2.24

1st Vol.: 1132

2nd Vol.: 7:40

3rd Vol.: 4:06

4th Vol.: 20:28

5th Vol.: 5:45

Post: 3:52

Sampling: 11.0

Volume Purged (gallons): 1135

Time (military): 7:40

PH (s.u.): 4.05

Specific Conductivity (µS/cm): 20.72

Water Temperature (°C): 16.7

Turbidity (NTU): 2.93

Dissolved Oxygen (mg/L): 2.93

Sampled By: J. Gray

Sampling Time: 1135

Duplicate: Y or N

If yes, Duplicate Time:

Notes:

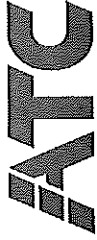
Signature: Joseph Gray

Total Gallons: 7.0

Purged @ 1.5 Vol + 1.0 gallon



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/29/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:

pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-3 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW RW Private-WSW Public-WSW Other Screened Interval (ft.): 35-40

Depth to Free Product (DFP) (ft.): 9.25 Free Product Thickness (ft.):

Length of water column (LWC = TWD - DGW) (ft.): 30.75 1 casing volume (CV = LWC x C) (gals.): 5.10 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	1058	1048					1048
pH (s.u.)	7.05	7.24					7.24
Specific Conductivity (µS/cm)	372	362					362
Water Temperature (°C)	19.15	20.22					20.22
Turbidity (NTU)	0.0	1.25					1.25
Dissolved Oxygen (mg/L)	3.38	3.24					3.24

Sampling Data

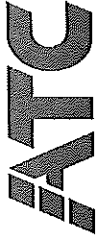
Sampled By: J. Gray Sampling Time: 1048 Duplicate: Y or N If yes, Duplicate Time:

Notes: Signature: Joseph Gray Total Gallons: 5.25

Handwritten notes: Purged c 1048 Vol



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/30/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray
 County: Charleston Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F): 70

Quality Assurance

Meter Name: Honiba multimeter Serial #: YPXN1DXL Calibration:
 pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N
 Dissolved Oxygen (mg/L) 9.83 DO: Y or N
 Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-7 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW: RW Other
 Private-WSW Public-WSW
 Screened Interval (ft.): 40-45
 Total Well Depth (TWD) (ft.): 45
 Free Product Thickness (ft.):

Depth to Free Product (DFP) (ft.): 5.58
 Length of water column (LWC = TWD - DGW) (ft.): 6.54
 1 casing volume (CV = LWC x C) (gals.):
 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
10.28	10.86						1076
7.48	7.27						7.54
3.22	3.68						3.68
18.30	19.63						19.63
6.0	3.81						2.05
3.77							3.81

Sampling Data

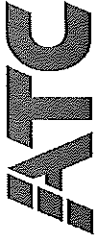
Sampled By: J. Gray Duplicate: Y or N If yes, Duplicate Time:

Signature: Total Gallons: 7.0

Notes:



Underground Storage Tank Management Division Field Data Information Sheet - Sampling



Date: **3/30/2022** Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F): **80.5**

Quality Assurance

Meter Name: Horiba multimeter Serial #: **YPXN1DXL** Calibration:
 pH, conductivity 4.10, 4.49 Probe / HGS# **VHORX7E0** pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N
 Dissolved Oxygen (mg/L) 9.83 DO: Y or N
 Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: **MW-5** Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW RW Other Screened Interval (ft.): **38-73** Total Well Depth (TWD) (ft.): **73**

Private-WSW Public-WSW Depth to Free Product (DFP) (ft.): **10.19** Free Product Thickness (ft.):

Length of water column (LWC = TWD - DFGW) (ft.): **32.61** 1 casing volume (CV = LWC x C) (gals.): **5.99** 5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)	1.5	5.5	2.0					
Time (military)	1057	1101	1116					1116
pH (s.u.)	7.60	7.53	7.50					7.50
Specific Conductivity (µS/cm)	317	329	333					333
Water Temperature (°C)	21.18	21.56	21.01					21.01
Turbidity (NTU)	1.0	1.86	1.89					1.89
Dissolved Oxygen (mg/L)	4.25	2.04	1.98					1.98

Sampling Data

Sampled By: J. Gray Sampling Time: **1116** Duplicate: Y or N: If yes, Duplicate Time:

Notes: Signature: *J. Gray* Total Gallons: **70**
Purged @ 1st Vol. + 3rd gallon



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information
 Site Name: Circle K Store 2720886
 Field Personnel: B. Belding, J. Gray, E. Moore

Date: 3/30/2022
 Site ID # 01589
 Project Manager:
 General Weather Conditions:
 Ambient Air Temp (°F):

Quality Assurance
 Serial #: VYUXBPG9
 Calibration:
 pH 4.0: Y or N
 pH 7.0: Y or N
 pH 10.0: Y or N
 S.C.: Y or N 4.49
 DO: Y or N
 Turb.: 0.0 NTU: Y or N
 1.0 NTU: Y or N
 10.0 NTU: Y or N

Well Information
 Well Diameter (in): 2
 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
 Method of Purging/Sample Collection: Bailor Pump

Well ID: ~~XXXX~~ RW-1
 MW: RW Other
 Private-WSW Public-WSW
 Screened Interval (ft.): 12
 Total Well Depth (TWD) (ft.): 12
 Depth to Free Product (DFP) (ft.): 5.94
 Free Product Thickness (ft.):
 Total Gallons Purged:

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	10:30					10:32
PH (s.u.)	4.65					
Specific Conductivity (µS/cm)	3290					
Water Temperature (°C)	23.63					
Turbidity (NTU)	61.9					
Dissolved Oxygen (mg/L)	0.94					

1 casing volume (CV = LWC x C) (gals.):
 1032
 Duplicate: Y or N
 If yes, Duplicate Time:

Sampled By: B. Belding, J. Gray, E. Moore
 Signature: *Braden Belding*
 Total Gallons:

Notes: Circle K Store 2720886
 GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information
 Date: 3 / 30 / 2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance
 Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration:
 pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N 4.49
 pH, conductivity DO: Y or N
 Dissolved Oxygen (mg/L) Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N
 Turbidity (NTU)

Well Information
 Well ID: ~~2720886~~ RW-2 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.186, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW: ~~RAW~~ RW Public-WSW Other
 Private-WSW
 Depth to Free Product (DFP) (ft.): 2 Screened Interval (ft.): 12 Total Well Depth (TWD) (ft.): 12
 Free Product Thickness (ft.): Total Gallons Purged:

Purging Data
 1 casing volume (CV = LWC x C) (gals.): 5.99
 1st Vol. 2nd Vol. 3rd Vol. 4th Vol. 5th Vol. Post Sampling

Volume Purged (gallons)
 Time (military) 10:41
 PH (s.u.) 4.61
 Specific Conductivity (µS/cm) 717
 Water Temperature (°C) 23.44
 Turbidity (NTU) 93.5
 Dissolved Oxygen (mg/L) 2.38

Sampling Data
 Sampled By: B. Belding, J. Gray, E. Moore Duplicate: Y or N 1043 if yes, Duplicate Time:
 Signature: B. Belding Total Gallons:

Notes: Circle K Store 2720886

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: **3/30/2022** Site ID # **01589** Field Personnel: **B. Belding, J. Gray, E. Moore**
 County: **Dorchester** Project Manager: _____ General Weather Conditions: _____ Ambient Air Temp (°F): _____

Quality Assurance

Meter Name: **Horiba multimeter** Serial #: **VYUXBPG9** Calibration: _____
 pH, conductivity: _____ pH 4.0: or N pH 7.0: Y or N pH 10.0: Y or N S.C.: or N 4.49
 Dissolved Oxygen (mg/L): _____ DO: Y or N
 Turbidity (NTU): _____ Turb.: or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: ~~RW-3~~ **RW-3** Well Diameter (in): **2** Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: **Baller Pump**
 MW: RW: _____ Other: _____ Screened Interval (ft.): **12** Total Well Depth (TWD) (ft.): **12**
 Private-WSW: _____ Public-WSW: _____ Depth to Groundwater (DGW) (ft.): **5.45** Free Product Thickness (ft.): _____
 Length of water column (LWC = TWD - DGW) (ft.): _____ 1 casing volume (CV = LWC x C) (gals.): _____ Total Gallons Purged: _____

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)							
Time (military)	10:54						10:56
pH (s.u.)	5.18						
Specific Conductivity (µS/cm)	2820						
Water Temperature (°C)	23.16						
Turbidity (NTU)	42.5						
Dissolved Oxygen (mg/L)	1.23						

Sampling Data

Sampled By: **B. Belding, J. Gray, E. Moore** Sampling Time: _____ Duplicate: or N If yes, Duplicate Time: _____

Notes: **Circle K Store 2720886**

Signature: *B. Belding*

Total Gallons: _____

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3 / 30 / 2022 Site ID #: 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration:
 pH, conductivity pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N 4.49
 Dissolved Oxygen (mg/L) DO: Y or N
 Turbidity (NTU) Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: ~~RAW~~ RW-4 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW: ~~RAW~~ RW-4 Other: 2 Screened Interval (ft.): 12 Total Well Depth (TWD) (ft.): 12
 Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 5.42 Free Product Thickness (ft.):
 Depth to Free Product (DFP) (ft.):
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): Total Gallons Purged:

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
11:08							11:10
6.21							
417							
27.85							
23.4							
1.14							

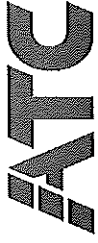
Sampling Data

Sampled By: B. Belding, J. Gray, E. Moore Sampling Time: Duplicate: Y or N If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: *B. Belding* Total Gallons:
 GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3 / 30 / 2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: High Wind Ambient Air Temp (°F): 79°

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:

pH, conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DC: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-5 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW RW Other
Private-WSW Public-WSW

Screened Interval (ft.): 2 - 12 Total Well Depth (TWD) (ft.): 12

Depth to Free Product (DFP) (ft.): 9.25 4.29 4.29 Free Product Thickness (ft.): .07

Length of water column (LWC = TWD - DGW) (ft.): 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)							
PH (s.u.)							
Specific Conductivity (µS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							

Sampling Data

Sampled By: J. Gray Sampling Time: Not Sampled Duplicate: Y or N If yes, Duplicate Time:

Signature: *Jesse M. ...*

Notes: FREE Product found. Turbidity: .07

Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: **3 / 30 / 2022** Site ID #: **01589** Site Name: **Circle K Store 2720886** Field Personnel: **B. Belding, J. Gray, E. Moore**

County: **Dorchester** Project Manager: _____ General Weather Conditions: _____ Ambient Air Temp (°F): _____

Quality Assurance

Meter Name: **Horiba multimeter** Serial #: **VYUXBPG9** Calibration: _____

ph, conductivity: _____ pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N 4.49

Dissolved Oxygen (mg/L): _____ DO: Y or N _____

Turbidity (NTU): _____ Turb.: **0.0** NTU: Y or N N 1.0 NTU: Y or N N 10.0 NTU: Y or N N

Well Information

Well ID: ~~RU-6~~ **RU-6** Well Diameter (in): **2** Conversion Factor (C): **1"** well = 0.047, **2"** well = 0.166, **4"** well = 0.652 Method of Purging/Sample Collection: **Bailer Pump**

MW RW Other Screened Interval (ft.): **2** Total Well Depth (TWD) (ft.): **12**

Private-WSW Public-WSW Depth to Groundwater (DGP) (ft.): **3.92** Free Product Thickness (ft.): **0.05**

Length of water column: _____ Total Gallons Purged: _____

(LWC = TWD - DGP) (ft.): _____ 1 casing volume (CV = LWC x C) (gals.): _____

Purging Data

Volume Purged (gallons)	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Initial							
Volume Purged (gallons)							
Time (military)							
PH (s.u.)							
Specific Conductivity (µS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							

Sampling Data

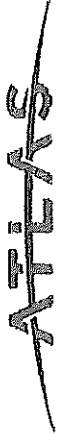
Sampled By: **B. Belding, J. Gray, E. Moore** Duplicate: Y or N If yes, Duplicate Time: _____

Sampling Time: _____

Notes: **Circle K Store 2720886** Signature: *B. Belding* Total Gallons: _____



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/30/2022 Site ID #: 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray, E. Moore

County: Dorchester Project Manager: _____ General Weather Conditions: _____ Ambient Air Temp (°F): _____

Quality Assurance

Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration: _____

ph, conductivity: _____ pH 4.0: or N _____ pH 7.0: or N _____ pH 10.0: or N _____ S.C.: or N 4.49

Dissolved Oxygen (mg/L): _____ DO: or N _____

Turbidity (NTU): _____ Turb.: 0.0 NTU: or N _____ 1.0 NTU: or N _____ 10.0 NTU: or N _____

Well Information

Well ID: ~~XXXX~~ RW-7 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailer Pump

MW: HW RAW Other Screened Interval (ft.): 2 Total Well Depth (TWD) (ft.): 12

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 6.10 Free Product Thickness (ft.): _____

Depth to Free Product (DFP) (ft.): _____ 1 casing volume (CV = LWC x C) (gals.): _____ Total Gallons Purged: _____

Length of water column (LWC = TWD - DGW) (ft.): _____

Purging Data

Volume Purged (gallons)	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post
Initial						
Time (military)	<u>11:42</u>					<u>11:44</u>
PH (s.u.)	<u>6.17</u>					
Specific Conductivity (µS/cm)	<u>1640</u>					
Water Temperature (°C)	<u>24.67</u>					
Turbidity (NTU)	<u>134</u>					
Dissolved Oxygen (mg/L)	<u>0.76</u>					

Sampling Data

Sampled By: B. Belding, J. Gray, E. Moore Sampling Time: 11/4/ Duplicate: Y or N

If yes, Duplicate Time: _____

Notes: Circle K Store 2720886 Signature: B. Belding Total Gallons: _____

GRAB



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Date: 3/30/2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray
 County: Charleston Project Manager: Fred Lyke General Weather Conditions: High Clouds / Windy Ambient Air Temp (°F): 80.3

Meter Name: Horiba multimeter Serial #: YPXN1DXL
 pH conductivity 4.10, 4.49 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N
 Dissolved Oxygen (mg/L) 9.83 DO: Y or N
 Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well ID: MW-8 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Baller Pump
 MW RW Other
 Private-WSW Public-WSW Other
 Screened Interval (ft.): 3-13 Total Well Depth (TWD) (ft.): 13
 Depth to Free Product (DFF) (ft.): 4.1 Free Product Thickness (ft.):
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

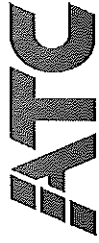
Purging Data							
Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	1719						1719
PH (s.u.)	6.10						6.10
Specific Conductivity (µS/cm)	879						879
Water Temperature (°C)	17.98						21.98
Turbidity (NTU)	1.5						1.5
Dissolved Oxygen (mg/L)	1.32						1.32

Sampled By: J. Gray Sampling Time: 1719 Duplicate: Y or N If yes, Duplicate Time:
 Sampling Data

Notes: Signature: J. Gray Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3 / 30 / 2022 Site ID #01589 Site Name: Circle K 2720886 Field Personnel: J. Gray

County: Charleston Project Manager: Fred Lyke General Weather Conditions: Partly Cloudy Ambient Air Temp (°F): 80.5

Quality Assurance

Meter Name: Honba multimeter Serial #: YPXN1DXL Calibration:

ph, conductivity 4.10, 4.49 Probe / HGS# VH0RX7EO pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N

Dissolved Oxygen (mg/L) 9.83 DO: Y or N

Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-9 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW: RAW: Other:

Private-WSW: Public-WSW:

Depth to Free Product (DFP) (ft.): 4.44 Screened interval (ft.): 3-13 Total Well Depth (TWD) (ft.): 13

Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post
Volume Purged (gallons)						
Time (military)	1734					1735
PH (s.u.)	4.77					4.77
Specific Conductivity (µS/cm)	1890					1870
Water Temperature (°C)	22.98					22.98
Turbidity (NTU)	0.0					0.0
Dissolved Oxygen (mg/L)	9.83					9.61

Sampling Data

Sampled By: J. Gray Sampling Time: 1734 Duplicate: Y or N If yes, Duplicate Time:

Notes: Signature: J. Gray Total Gallons: 6000



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 3/30/2022 Site ID #: 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray, E. Moore
 County: Dorchester Project Manager: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multifimeter Serial #: VYUXBPG9 Calibration: S.C.: Y or N 4.49
 pH, conductivity: pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N
 Dissolved Oxygen (mg/L): DO: Y or N
 Turbidity (NTU): Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: ~~XXXX~~ RW-10 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW: ~~HW~~ RW: Other Screened Interval (ft.): 2 Total Well Depth (TWD) (ft.): 12

Private-NSW: Public-NSW: Depth to Groundwater (DGW) (ft.): 3.89 Free Product Thickness (ft.): 0.02

Depth to Free Product (DFP) (ft.): 3.87 1 casing volume (CV = LWC x C) (gals.): Total Gallons Purged:

Length of water column (LWC = TWD - DGW) (ft.):

	Purging Data							
	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
pH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: B. Beiding, J. Gray, E. Moore Duplicate: Y or N If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: *B. Beiding* Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: **3/30/2022** Site ID #: **01589** Site Name: **Circle K Store 2720886** Field Personnel: **B. Belding, J. Gray, E. Moore**
 County: **Dorchester** Project Manager: _____ General Weather Conditions: _____ Ambient Air Temp (°F): _____

Quality Assurance

Meter Name: **Horiba multifimeter** Serial #: **VYUXBPG9** Calibration: _____
 pH, conductivity: pH 4.0: or N pH 7.0: or N pH 10.0: or N S.C.: or N 4.49
 Dissolved Oxygen (mg/L): DO: or N
 Turbidity (NTU): Turb.: **0.0** NTU: or N 1.0 NTU: or N 10.0 NTU: or N

Well Information

Well ID: ~~12~~ **RW-12** Well Diameter (in): **2** Conversion Factor (C): **1"** well = 0.047, **2"** well = 0.166, **4"** well = 0.652 Method of Purging/Sample Collection: **Bailer Pump**
 MW RW Other _____ Screened Interval (ft.): **12** Total Well Depth (TWD) (ft.): **12**
 Private-WSW _____ Public-WSW _____ Depth to Groundwater (DGP) (ft.): **2.43** Free Product Thickness (ft.): _____
 Depth to Free Product (DFP) (ft.): _____ Total Gallons Purged: _____
 Length of water column (LWC = TWD - DGP) (ft.): _____ 1 casing volume (CV = LWC x C) (gals.): _____

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	14:49						14:51
PH (s.u.)	4.78						
Specific Conductivity (µS/cm)	1320						
Water Temperature (°C)	23.10						
Turbidity (NTU)	25.5						
Dissolved Oxygen (mg/L)	1.41						

Sampling Data

Sampled By: **B. Belding, J. Gray, E. Moore** Sampling Time: **1451** Duplicate: or N If yes, Duplicate Time: _____

Notes: **Circle K Store 2720886** Signature: *B. Belding* Total Gallons: _____

GRAB

APPENDIX B

LABORATORY ANALYTICAL RESULTS

April 08, 2022

Brad Hubbard
ATC Group Services
6904 North Main Street
Suite 107
Columbia, SC 29203

RE: Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Dear Brad Hubbard:

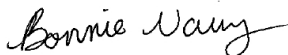
Enclosed are the analytical results for sample(s) received by the laboratory on April 01, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey 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

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SAMPLE SUMMARY

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92596822001	01589-MW-1	Water	03/29/22 12:52	04/01/22 14:07
92596822002	01589-MW-2	Water	03/29/22 12:41	04/01/22 14:07
92596822003	01589-MW-3	Water	03/29/22 09:47	04/01/22 14:07
92596822004	01589-MW-4	Water	03/29/22 09:24	04/01/22 14:07
92596822005	01589-MW-5	Water	03/29/22 09:34	04/01/22 14:07
92596822006	01589-MW-6	Water	03/29/22 15:53	04/01/22 14:07
92596822007	01589-MW-7	Water	03/29/22 13:39	04/01/22 14:07
92596822008	01589-MW-8	Water	03/29/22 13:26	04/01/22 14:07
92596822009	01589-MW-9	Water	03/29/22 13:13	04/01/22 14:07
92596822010	01589-MW-10	Water	03/29/22 12:59	04/01/22 14:07
92596822011	01589-MW-11	Water	03/29/22 15:10	04/01/22 14:07
92596822012	01589-MW-12	Water	03/29/22 13:03	04/01/22 14:07
92596822013	01589-MW-13	Water	03/29/22 13:25	04/01/22 14:07
92596822014	01589-MW-14	Water	03/29/22 10:00	04/01/22 14:07
92596822015	01589-MW-15	Water	03/29/22 12:49	04/01/22 14:07
92596822016	01589-MW-16	Water	03/29/22 14:59	04/01/22 14:07
92596822017	01589-MW-17	Water	03/29/22 14:49	04/01/22 14:07
92596822018	01589-MW-18	Water	03/29/22 14:21	04/01/22 14:07
92596822019	01589-MW-19	Water	03/29/22 14:07	04/01/22 14:07
92596822020	01589-MW-20	Water	03/29/22 13:59	04/01/22 14:07
92596822021	01589-MW-21	Water	03/29/22 14:19	04/01/22 14:07
92596822022	01589-MW-22	Water	03/29/22 14:38	04/01/22 14:07
92596822023	01589-MW-23	Water	03/29/22 08:49	04/01/22 14:07
92596822024	01589-MW-24	Water	03/29/22 09:03	04/01/22 14:07
92596822025	01589-MW-25	Water	03/29/22 11:36	04/01/22 14:07
92596822026	01589-MW-26	Water	03/29/22 11:48	04/01/22 14:07
92596822027	01589-MW-27	Water	03/29/22 09:17	04/01/22 14:07
92596822028	01589-MW-28	Water	03/29/22 11:28	04/01/22 14:07
92596822029	01589-MW-29	Water	03/29/22 09:59	04/01/22 14:07
92596822030	01589-MW-30	Water	03/29/22 14:29	04/01/22 14:07
92596822031	01589-MW-31	Water	03/29/22 09:29	04/01/22 14:07
92596822032	01589-MW-32	Water	03/29/22 10:41	04/01/22 14:07
92596822033	01589-MW-33	Water	03/29/22 10:53	04/01/22 14:07
92596822034	01589-MW-34	Water	03/29/22 12:59	04/01/22 14:07
92596822035	01589-MW-35	Water	03/29/22 13:11	04/01/22 14:07
92596822036	01589-MW-36	Water	03/29/22 14:05	04/01/22 14:07
92596822037	01589-MW-37	Water	03/29/22 08:33	04/01/22 14:07

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92596822038	01589-MW-38	Water	03/29/22 09:48	04/01/22 14:07
92596822039	01589-DMW-1	Water	03/29/22 13:53	04/01/22 14:07
92596822040	01589-DMW-2	Water	03/29/22 11:35	04/01/22 14:07
92596822041	01589-DMW-3	Water	03/29/22 10:48	04/01/22 14:07
92596822042	01589-DMW-4	Water	03/30/22 10:36	04/01/22 14:07
92596822043	01589-DMW-5	Water	03/30/22 11:16	04/01/22 14:07
92596822044	01589-RW-1	Water	03/30/22 10:32	04/01/22 14:07
92596822045	01589-RW-2	Water	03/30/22 10:43	04/01/22 14:07
92596822046	01589-RW-3	Water	03/30/22 10:56	04/01/22 14:07
92596822047	01589-RW-4	Water	03/30/22 11:10	04/01/22 14:07
92596822048	01589-RW-7	Water	03/30/22 11:44	04/01/22 14:07
92596822049	01589-RW-8	Water	03/30/22 14:19	04/01/22 14:07
92596822050	01589-RW-9	Water	03/30/22 14:34	04/01/22 14:07
92596822051	01589-RW-12	Water	03/30/22 14:51	04/01/22 14:07
92596822052	01589-SW-1	Water	03/30/22 13:04	04/01/22 14:07
92596822053	01589-SW-2	Water	03/29/22 14:59	04/01/22 14:07
92596822054	01589-SW-3	Water	03/29/22 14:48	04/01/22 14:07
92596822055	01589-SW-4	Water	03/29/22 11:44	04/01/22 14:07
92596822056	01589-SW-5	Water	03/30/22 11:39	04/01/22 14:07
92596822057	01589-SW-7	Water	03/30/22 11:59	04/01/22 14:07
92596822058	01589-SW-8	Water	03/30/22 12:12	04/01/22 14:07
92596822059	01589-SW-9	Water	03/30/22 12:22	04/01/22 14:07
92596822060	01589-DUP-1	Water	03/29/22 12:43	04/01/22 14:07
92596822061	01589-DUP-2	Water	03/29/22 10:55	04/01/22 14:07
92596822062	01589-FB-2	Water	03/29/22 08:00	04/01/22 14:07
92596822063	01589-TB-1	Water	03/29/22 00:00	04/01/22 14:07
92596822064	01589-TB-2	Water	03/29/22 00:00	04/01/22 14:07

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SAMPLE ANALYTE COUNT

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92596822001	01589-MW-1	EPA 8260D	SAS	20	PASI-C
92596822002	01589-MW-2	EPA 8260D	GAW	20	PASI-C
92596822003	01589-MW-3	EPA 8260D	SAS	20	PASI-C
92596822004	01589-MW-4	EPA 8260D	GAW	20	PASI-C
92596822005	01589-MW-5	EPA 8260D	CL	20	PASI-C
92596822006	01589-MW-6	EPA 8260D	GAW	20	PASI-C
92596822007	01589-MW-7	EPA 8260D	GAW	20	PASI-C
92596822008	01589-MW-8	EPA 8260D	GAW	20	PASI-C
92596822009	01589-MW-9	EPA 8260D	GAW	20	PASI-C
92596822010	01589-MW-10	EPA 8260D	GAW	20	PASI-C
92596822011	01589-MW-11	EPA 8260D	GAW	20	PASI-C
92596822012	01589-MW-12	EPA 8260D	GAW	20	PASI-C
92596822013	01589-MW-13	EPA 8260D	CL	20	PASI-C
92596822014	01589-MW-14	EPA 8260D	CL	20	PASI-C
92596822015	01589-MW-15	EPA 8260D	LMB	20	PASI-C
92596822016	01589-MW-16	EPA 8260D	GAW	20	PASI-C
92596822017	01589-MW-17	EPA 8260D	CL	20	PASI-C
92596822018	01589-MW-18	EPA 8260D	LMB	20	PASI-C
92596822019	01589-MW-19	EPA 8260D	CL	20	PASI-C
92596822020	01589-MW-20	EPA 8260D	CL	20	PASI-C
92596822021	01589-MW-21	EPA 8260D	CL	20	PASI-C
92596822022	01589-MW-22	EPA 8260D	GAW	20	PASI-C
92596822023	01589-MW-23	EPA 8260D	GAW	20	PASI-C
92596822024	01589-MW-24	EPA 8260D	GAW	20	PASI-C
92596822025	01589-MW-25	EPA 8260D	GAW	20	PASI-C
92596822026	01589-MW-26	EPA 8260D	GAW	20	PASI-C
92596822027	01589-MW-27	EPA 8260D	GAW	20	PASI-C
92596822028	01589-MW-28	EPA 8260D	GAW	20	PASI-C
92596822029	01589-MW-29	EPA 8260D	GAW	20	PASI-C
92596822030	01589-MW-30	EPA 8260D	GAW	20	PASI-C
92596822031	01589-MW-31	EPA 8260D	GAW	20	PASI-C
92596822032	01589-MW-32	EPA 8260D	GAW	20	PASI-C
92596822033	01589-MW-33	EPA 8260D	CL	20	PASI-C
92596822034	01589-MW-34	EPA 8260D	GAW	20	PASI-C
92596822035	01589-MW-35	EPA 8260D	GAW	20	PASI-C
92596822036	01589-MW-36	EPA 8260D	GAW	20	PASI-C
92596822037	01589-MW-37	EPA 8260D	CL	20	PASI-C

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SAMPLE ANALYTE COUNT

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92596822038	01589-MW-38	EPA 8260D	CL	20	PASI-C
92596822039	01589-DMW-1	EPA 8260D	CL	20	PASI-C
92596822040	01589-DMW-2	EPA 8260D	CL	20	PASI-C
92596822041	01589-DMW-3	EPA 8260D	CL	20	PASI-C
92596822042	01589-DMW-4	EPA 8260D	CL	20	PASI-C
92596822043	01589-DMW-5	EPA 8260D	CL	20	PASI-C
92596822044	01589-RW-1	EPA 8260D	CL	20	PASI-C
92596822045	01589-RW-2	EPA 8260D	SAS	20	PASI-C
92596822046	01589-RW-3	EPA 8260D	CL	20	PASI-C
92596822047	01589-RW-4	EPA 8260D	CL	20	PASI-C
92596822048	01589-RW-7	EPA 8260D	CL	20	PASI-C
92596822049	01589-RW-8	EPA 8260D	CL	20	PASI-C
92596822050	01589-RW-9	EPA 8260D	SAS	20	PASI-C
92596822051	01589-RW-12	EPA 8260D	SAS	20	PASI-C
92596822052	01589-SW-1	EPA 8260D	CL	20	PASI-C
92596822053	01589-SW-2	EPA 8260D	CL	20	PASI-C
92596822054	01589-SW-3	EPA 8260D	CL	20	PASI-C
92596822055	01589-SW-4	EPA 8260D	CL	20	PASI-C
92596822056	01589-SW-5	EPA 8260D	CL	20	PASI-C
92596822057	01589-SW-7	EPA 8260D	CL	20	PASI-C
92596822058	01589-SW-8	EPA 8260D	CL	20	PASI-C
92596822059	01589-SW-9	EPA 8260D	CL	20	PASI-C
92596822060	01589-DUP-1	EPA 8260D	SAS	20	PASI-C
92596822061	01589-DUP-2	EPA 8260D	SAS	20	PASI-C
92596822062	01589-FB-2	EPA 8260D	CL	20	PASI-C
92596822063	01589-TB-1	EPA 8260D	CL	20	PASI-C
92596822064	01589-TB-2	EPA 8260D	CL	20	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-MW-1		Lab ID: 92596822001		Collected: 03/29/22 12:52		Received: 04/01/22 14:07		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							
tert-Amyl Alcohol	9740J	ug/L	10000	3640	100		04/06/22 20:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	266	100		04/06/22 20:32	994-05-8	
Benzene	5570	ug/L	100	34.5	100		04/06/22 20:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5190	100		04/06/22 20:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	2680	100		04/06/22 20:32	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2940	100		04/06/22 20:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	32.2	100		04/06/22 20:32	107-06-2	
Diisopropyl ether	ND	ug/L	100	30.8	100		04/06/22 20:32	108-20-3	
Ethanol	44400	ug/L	20000	7220	100		04/06/22 20:32	64-17-5	
Ethylbenzene	983	ug/L	100	30.4	100		04/06/22 20:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	324	100		04/06/22 20:32	637-92-3	
Methyl-tert-butyl ether	479	ug/L	100	42.2	100		04/06/22 20:32	1634-04-4	
Naphthalene	125	ug/L	100	64.5	100		04/06/22 20:32	91-20-3	
Toluene	14800	ug/L	100	48.5	100		04/06/22 20:32	108-88-3	
Xylene (Total)	4490	ug/L	100	33.8	100		04/06/22 20:32	1330-20-7	
m&p-Xylene	3030	ug/L	200	70.9	100		04/06/22 20:32	179601-23-1	
o-Xylene	1460	ug/L	100	33.8	100		04/06/22 20:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		100		04/06/22 20:32	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		100		04/06/22 20:32	17060-07-0	
Toluene-d8 (S)	98	%	70-130		100		04/06/22 20:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-MW-2 Lab ID: 92596822002 Collected: 03/29/22 12:41 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	25000	ug/L	12500	4550	125		04/06/22 19:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	332	125		04/06/22 19:03	994-05-8	
Benzene	8610	ug/L	125	43.1	125		04/06/22 19:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6490	125		04/06/22 19:03	624-95-3	R1
tert-Butyl Alcohol	ND	ug/L	12500	3350	125		04/06/22 19:03	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3680	125		04/06/22 19:03	762-75-4	R1
1,2-Dichloroethane	ND	ug/L	125	40.2	125		04/06/22 19:03	107-06-2	M1,R1
Diisopropyl ether	ND	ug/L	125	38.5	125		04/06/22 19:03	108-20-3	R1
Ethanol	ND	ug/L	25000	9020	125		04/06/22 19:03	64-17-5	
Ethylbenzene	1230	ug/L	125	38.0	125		04/06/22 19:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	405	125		04/06/22 19:03	637-92-3	
Methyl-tert-butyl ether	483	ug/L	125	52.8	125		04/06/22 19:03	1634-04-4	
Naphthalene	140	ug/L	125	80.6	125		04/06/22 19:03	91-20-3	
Toluene	18100	ug/L	125	60.6	125		04/06/22 19:03	108-88-3	
Xylene (Total)	6040	ug/L	125	42.2	125		04/06/22 19:03	1330-20-7	
m&p-Xylene	3880	ug/L	250	88.6	125		04/06/22 19:03	179601-23-1	
o-Xylene	2160	ug/L	125	42.2	125		04/06/22 19:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		125		04/06/22 19:03	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		125		04/06/22 19:03	17060-07-0	
Toluene-d8 (S)	99	%	70-130		125		04/06/22 19:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-3 **Lab ID: 92596822003** Collected: 03/29/22 09:47 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/06/22 00:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/06/22 00:45	994-05-8	
Benzene	12.3	ug/L	1.0	0.34	1		04/06/22 00:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/06/22 00:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/06/22 00:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/06/22 00:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/06/22 00:45	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/06/22 00:45	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/06/22 00:45	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/06/22 00:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/06/22 00:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/06/22 00:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/06/22 00:45	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/06/22 00:45	108-88-3	
Xylene (Total)	1.7	ug/L	1.0	0.34	1		04/06/22 00:45	1330-20-7	
m&p-Xylene	0.96J	ug/L	2.0	0.71	1		04/06/22 00:45	179601-23-1	
o-Xylene	0.76J	ug/L	1.0	0.34	1		04/06/22 00:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/06/22 00:45	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/06/22 00:45	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		04/06/22 00:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-4 **Lab ID: 92596822004** Collected: 03/29/22 09:24 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 20:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 20:24	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 20:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 20:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 20:24	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 20:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 20:24	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 20:24	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 20:24	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 20:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 20:24	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/04/22 20:24	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 20:24	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 20:24	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 20:24	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 20:24	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 20:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/04/22 20:24	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/04/22 20:24	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/04/22 20:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-5 **Lab ID: 92596822005** Collected: 03/29/22 09:34 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 07:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 07:32	994-05-8	v1
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 07:32	71-43-2	v1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 07:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 07:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 07:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 07:32	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 07:32	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 07:32	64-17-5	L1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 07:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 07:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 07:32	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 07:32	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 07:32	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 07:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 07:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 07:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/05/22 07:32	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		04/05/22 07:32	17060-07-0	
Toluene-d8 (S)	91	%	70-130		1		04/05/22 07:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-6 **Lab ID: 92596822006** Collected: 03/29/22 15:53 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	22000	ug/L	20000	7280	200		04/06/22 22:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		04/06/22 22:17	994-05-8	
Benzene	11700	ug/L	200	69.0	200		04/06/22 22:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		04/06/22 22:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		04/06/22 22:17	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		04/06/22 22:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		04/06/22 22:17	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		04/06/22 22:17	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		04/06/22 22:17	64-17-5	
Ethylbenzene	1850	ug/L	200	60.8	200		04/06/22 22:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		04/06/22 22:17	637-92-3	
Methyl-tert-butyl ether	1410	ug/L	200	84.4	200		04/06/22 22:17	1634-04-4	
Naphthalene	256	ug/L	200	129	200		04/06/22 22:17	91-20-3	
Toluene	21400	ug/L	200	97.0	200		04/06/22 22:17	108-88-3	
Xylene (Total)	9910	ug/L	200	67.6	200		04/06/22 22:17	1330-20-7	
m&p-Xylene	6370	ug/L	400	142	200		04/06/22 22:17	179601-23-1	
o-Xylene	3540	ug/L	200	67.6	200		04/06/22 22:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		200		04/06/22 22:17	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		200		04/06/22 22:17	17060-07-0	
Toluene-d8 (S)	99	%	70-130		200		04/06/22 22:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-7 **Lab ID: 92596822007** Collected: 03/29/22 13:39 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	538	ug/L	500	182	5		04/06/22 21:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	13.3	5		04/06/22 21:06	994-05-8	
Benzene	465	ug/L	5.0	1.7	5		04/06/22 21:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	260	5		04/06/22 21:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	134	5		04/06/22 21:06	75-65-0	
tert-Butyl Formate	ND	ug/L	250	147	5		04/06/22 21:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		04/06/22 21:06	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.5	5		04/06/22 21:06	108-20-3	
Ethanol	ND	ug/L	1000	361	5		04/06/22 21:06	64-17-5	
Ethylbenzene	132	ug/L	5.0	1.5	5		04/06/22 21:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	16.2	5		04/06/22 21:06	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.1	5		04/06/22 21:06	1634-04-4	
Naphthalene	28.7	ug/L	5.0	3.2	5		04/06/22 21:06	91-20-3	
Toluene	761	ug/L	5.0	2.4	5		04/06/22 21:06	108-88-3	
Xylene (Total)	969	ug/L	5.0	1.7	5		04/06/22 21:06	1330-20-7	
m&p-Xylene	629	ug/L	10.0	3.5	5		04/06/22 21:06	179601-23-1	
o-Xylene	339	ug/L	5.0	1.7	5		04/06/22 21:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		5		04/06/22 21:06	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		5		04/06/22 21:06	17060-07-0	
Toluene-d8 (S)	97	%	70-130		5		04/06/22 21:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-8 **Lab ID: 92596822008** Collected: 03/29/22 13:26 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 20:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 20:41	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 20:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 20:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 20:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 20:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 20:41	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 20:41	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 20:41	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 20:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 20:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/04/22 20:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 20:41	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 20:41	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 20:41	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 20:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 20:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/04/22 20:41	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/04/22 20:41	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		04/04/22 20:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-9 **Lab ID: 92596822009** Collected: 03/29/22 13:13 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 20:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 20:07	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 20:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 20:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 20:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 20:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 20:07	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 20:07	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 20:07	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 20:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 20:07	637-92-3	
Methyl-tert-butyl ether	1.9	ug/L	1.0	0.42	1		04/04/22 20:07	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 20:07	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 20:07	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 20:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 20:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 20:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/04/22 20:07	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/04/22 20:07	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		04/04/22 20:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-10 **Lab ID: 92596822010** Collected: 03/29/22 12:59 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 17:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 17:29	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 17:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 17:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 17:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 17:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 17:29	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 17:29	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 17:29	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 17:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 17:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/04/22 17:29	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 17:29	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 17:29	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 17:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 17:29	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 17:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/04/22 17:29	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/04/22 17:29	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		04/04/22 17:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-MW-11 **Lab ID: 92596822011** Collected: 03/29/22 15:10 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 19:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 19:32	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 19:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 19:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 19:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 19:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 19:32	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 19:32	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 19:32	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 19:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 19:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/04/22 19:32	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 19:32	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 19:32	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 19:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 19:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 19:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/04/22 19:32	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		04/04/22 19:32	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		04/04/22 19:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-12 Lab ID: 92596822012 Collected: 03/29/22 13:03 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	1250	455	12.5		04/06/22 21:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	125	33.2	12.5		04/06/22 21:41	994-05-8	
Benzene	2450	ug/L	12.5	4.3	12.5		04/06/22 21:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1250	649	12.5		04/06/22 21:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1250	335	12.5		04/06/22 21:41	75-65-0	
tert-Butyl Formate	ND	ug/L	625	368	12.5		04/06/22 21:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	12.5	4.0	12.5		04/06/22 21:41	107-06-2	
Diisopropyl ether	ND	ug/L	12.5	3.8	12.5		04/06/22 21:41	108-20-3	
Ethanol	ND	ug/L	2500	902	12.5		04/06/22 21:41	64-17-5	
Ethylbenzene	163	ug/L	12.5	3.8	12.5		04/06/22 21:41	100-41-4	
Ethyl-tert-butyl ether	40.8J	ug/L	125	40.5	12.5		04/06/22 21:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	12.5	5.3	12.5		04/06/22 21:41	1634-04-4	
Naphthalene	8.1J	ug/L	12.5	8.1	12.5		04/06/22 21:41	91-20-3	
Toluene	27.8	ug/L	12.5	6.1	12.5		04/06/22 21:41	108-88-3	
Xylene (Total)	42.3	ug/L	12.5	4.2	12.5		04/06/22 21:41	1330-20-7	
m&p-Xylene	33.6	ug/L	25.0	8.9	12.5		04/06/22 21:41	179601-23-1	
o-Xylene	8.8J	ug/L	12.5	4.2	12.5		04/06/22 21:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		12.5		04/06/22 21:41	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		12.5		04/06/22 21:41	17060-07-0	
Toluene-d8 (S)	100	%	70-130		12.5		04/06/22 21:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-13 **Lab ID: 92596822013** Collected: 03/29/22 13:25 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 10:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 10:17	994-05-8	v1
Benzene	17.0	ug/L	1.0	0.34	1		04/05/22 10:17	71-43-2	v1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 10:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 10:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 10:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 10:17	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 10:17	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 10:17	64-17-5	L1
Ethylbenzene	69.1	ug/L	1.0	0.30	1		04/05/22 10:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 10:17	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 10:17	1634-04-4	
Naphthalene	16.9	ug/L	1.0	0.64	1		04/05/22 10:17	91-20-3	
Toluene	0.74J	ug/L	1.0	0.48	1		04/05/22 10:17	108-88-3	
Xylene (Total)	29.0	ug/L	1.0	0.34	1		04/05/22 10:17	1330-20-7	
m&p-Xylene	9.2	ug/L	2.0	0.71	1		04/05/22 10:17	179601-23-1	
o-Xylene	19.8	ug/L	1.0	0.34	1		04/05/22 10:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	124	%	70-130		1		04/05/22 10:17	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		04/05/22 10:17	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		04/05/22 10:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-14 **Lab ID: 92596822014** Collected: 03/29/22 10:00 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 07:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 07:50	994-05-8	v1
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 07:50	71-43-2	v1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 07:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 07:50	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 07:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 07:50	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 07:50	108-20-3	
Ethanol	627	ug/L	200	72.2	1		04/05/22 07:50	64-17-5	L1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 07:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 07:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 07:50	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 07:50	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 07:50	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 07:50	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 07:50	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 07:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/05/22 07:50	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/05/22 07:50	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		04/05/22 07:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-MW-15 Lab ID: 92596822015 Collected: 03/29/22 12:49 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	4930J	ug/L	5000	1820	50		04/06/22 02:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/06/22 02:41	994-05-8	
Benzene	3310	ug/L	50.0	17.2	50		04/06/22 02:41	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/06/22 02:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		04/06/22 02:41	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/06/22 02:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/06/22 02:41	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		04/06/22 02:41	108-20-3	
Ethanol	ND	ug/L	10000	3610	50		04/06/22 02:41	64-17-5	
Ethylbenzene	889	ug/L	50.0	15.2	50		04/06/22 02:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		04/06/22 02:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	21.1	50		04/06/22 02:41	1634-04-4	
Naphthalene	77.9	ug/L	50.0	32.2	50		04/06/22 02:41	91-20-3	
Toluene	9740	ug/L	50.0	24.2	50		04/06/22 02:41	108-88-3	M1
Xylene (Total)	3980	ug/L	50.0	16.9	50		04/06/22 02:41	1330-20-7	
m&p-Xylene	2530	ug/L	100	35.4	50		04/06/22 02:41	179601-23-1	
o-Xylene	1450	ug/L	50.0	16.9	50		04/06/22 02:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		50		04/06/22 02:41	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		50		04/06/22 02:41	17060-07-0	
Toluene-d8 (S)	98	%	70-130		50		04/06/22 02:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-16 **Lab ID: 92596822016** Collected: 03/29/22 14:59 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 19:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 19:49	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 19:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 19:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 19:49	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 19:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 19:49	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 19:49	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 19:49	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 19:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 19:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/04/22 19:49	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 19:49	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 19:49	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 19:49	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 19:49	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 19:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/04/22 19:49	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		04/04/22 19:49	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		04/04/22 19:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-17 **Lab ID: 92596822017** Collected: 03/29/22 14:49 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 08:09	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 08:09	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 08:09	71-43-2	v1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 08:09	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 08:09	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 08:09	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 08:09	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 08:09	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 08:09	64-17-5	L1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 08:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 08:09	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 08:09	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 08:09	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 08:09	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 08:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 08:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 08:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/05/22 08:09	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/05/22 08:09	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/05/22 08:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-18 **Lab ID: 92596822018** Collected: 03/29/22 14:21 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/06/22 01:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/06/22 01:28	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/06/22 01:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/06/22 01:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/06/22 01:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/06/22 01:28	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/06/22 01:28	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/06/22 01:28	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/06/22 01:28	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/06/22 01:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/06/22 01:28	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/06/22 01:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/06/22 01:28	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/06/22 01:28	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/06/22 01:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/06/22 01:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/06/22 01:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/06/22 01:28	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		04/06/22 01:28	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/06/22 01:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-19 **Lab ID: 92596822019** Collected: 03/29/22 14:07 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 08:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 08:45	994-05-8	v1
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 08:45	71-43-2	v1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 08:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 08:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 08:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 08:45	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 08:45	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 08:45	64-17-5	L1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 08:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 08:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 08:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 08:45	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 08:45	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 08:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 08:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 08:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/05/22 08:45	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		04/05/22 08:45	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/05/22 08:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-20 Lab ID: 92596822020 Collected: 03/29/22 13:59 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 09:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 09:04	994-05-8	v1
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 09:04	71-43-2	v1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 09:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 09:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 09:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 09:04	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 09:04	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 09:04	64-17-5	L1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 09:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 09:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 09:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 09:04	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 09:04	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 09:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 09:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 09:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/05/22 09:04	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/05/22 09:04	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		04/05/22 09:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-21 **Lab ID: 92596822021** Collected: 03/29/22 14:19 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 09:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 09:22	994-05-8	v1
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 09:22	71-43-2	v1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 09:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 09:22	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 09:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 09:22	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 09:22	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 09:22	64-17-5	L1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 09:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 09:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 09:22	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 09:22	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 09:22	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 09:22	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 09:22	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 09:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	79	%	70-130		1		04/05/22 09:22	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		04/05/22 09:22	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		04/05/22 09:22	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-MW-22 **Lab ID: 92596822022** Collected: 03/29/22 14:38 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 19:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 19:14	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 19:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 19:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 19:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 19:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 19:14	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 19:14	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 19:14	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 19:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 19:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/04/22 19:14	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 19:14	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 19:14	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 19:14	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 19:14	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 19:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/04/22 19:14	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/04/22 19:14	17060-07-0	
Toluene-d8 (S)	93	%	70-130		1		04/04/22 19:14	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-23 **Lab ID: 92596822023** Collected: 03/29/22 08:49 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 22:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 22:27	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 22:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 22:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 22:27	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 22:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 22:27	107-06-2	
Diisopropyl ether	0.39J	ug/L	1.0	0.31	1		04/04/22 22:27	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 22:27	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 22:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 22:27	637-92-3	
Methyl-tert-butyl ether	1.6	ug/L	1.0	0.42	1		04/04/22 22:27	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 22:27	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 22:27	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 22:27	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 22:27	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 22:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/04/22 22:27	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/04/22 22:27	17060-07-0	
Toluene-d8 (S)	91	%	70-130		1		04/04/22 22:27	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-24 **Lab ID: 92596822024** Collected: 03/29/22 09:03 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 21:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 21:52	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 21:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 21:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 21:52	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 21:52	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 21:52	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 21:52	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 21:52	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 21:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 21:52	637-92-3	
Methyl-tert-butyl ether	9.8	ug/L	1.0	0.42	1		04/04/22 21:52	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 21:52	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 21:52	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 21:52	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 21:52	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 21:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/04/22 21:52	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/04/22 21:52	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/04/22 21:52	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-MW-25 **Lab ID: 92596822025** Collected: 03/29/22 11:36 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 22:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 22:09	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 22:09	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 22:09	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 22:09	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 22:09	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 22:09	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 22:09	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 22:09	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 22:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 22:09	637-92-3	
Methyl-tert-butyl ether	6.4	ug/L	1.0	0.42	1		04/04/22 22:09	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 22:09	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 22:09	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 22:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 22:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 22:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/04/22 22:09	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/04/22 22:09	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/04/22 22:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-26 **Lab ID: 92596822026** Collected: 03/29/22 11:48 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 21:34	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 21:34	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 21:34	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 21:34	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 21:34	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 21:34	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 21:34	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 21:34	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 21:34	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 21:34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 21:34	637-92-3	
Methyl-tert-butyl ether	7.4	ug/L	1.0	0.42	1		04/04/22 21:34	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 21:34	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 21:34	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 21:34	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 21:34	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 21:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/04/22 21:34	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/04/22 21:34	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		04/04/22 21:34	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-MW-27 **Lab ID: 92596822027** Collected: 03/29/22 09:17 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 17:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 17:46	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 17:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 17:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 17:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 17:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 17:46	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 17:46	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 17:46	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 17:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 17:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/04/22 17:46	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 17:46	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 17:46	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 17:46	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 17:46	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 17:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/04/22 17:46	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		04/04/22 17:46	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		04/04/22 17:46	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-MW-28 **Lab ID: 92596822028** Collected: 03/29/22 11:28 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 18:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 18:04	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 18:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 18:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 18:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 18:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 18:04	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 18:04	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 18:04	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 18:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 18:04	637-92-3	
Methyl-tert-butyl ether	1.0	ug/L	1.0	0.42	1		04/04/22 18:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 18:04	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 18:04	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 18:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 18:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 18:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/04/22 18:04	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		04/04/22 18:04	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		04/04/22 18:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-29 **Lab ID: 92596822029** Collected: 03/29/22 09:59 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	910	ug/L	100	36.4	1		04/04/22 20:59	75-85-4	
tert-Amylmethyl ether	8.9J	ug/L	10.0	2.7	1		04/04/22 20:59	994-05-8	
Benzene	1.2	ug/L	1.0	0.34	1		04/04/22 20:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 20:59	624-95-3	
tert-Butyl Alcohol	377	ug/L	100	26.8	1		04/04/22 20:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 20:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 20:59	107-06-2	
Diisopropyl ether	1.5	ug/L	1.0	0.31	1		04/04/22 20:59	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 20:59	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 20:59	100-41-4	
Ethyl-tert-butyl ether	40.5	ug/L	10.0	3.2	1		04/04/22 20:59	637-92-3	
Methyl-tert-butyl ether	111	ug/L	1.0	0.42	1		04/04/22 20:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 20:59	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 20:59	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 20:59	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 20:59	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 20:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/04/22 20:59	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/04/22 20:59	17060-07-0	
Toluene-d8 (S)	93	%	70-130		1		04/04/22 20:59	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-30 **Lab ID: 92596822030** Collected: 03/29/22 14:29 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 18:21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 18:21	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 18:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 18:21	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 18:21	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 18:21	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 18:21	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 18:21	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 18:21	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 18:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 18:21	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/04/22 18:21	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 18:21	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 18:21	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 18:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 18:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 18:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/04/22 18:21	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/04/22 18:21	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		04/04/22 18:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-31 **Lab ID: 92596822031** Collected: 03/29/22 09:29 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 21:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 21:16	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 21:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 21:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 21:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 21:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 21:16	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 21:16	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 21:16	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 21:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 21:16	637-92-3	
Methyl-tert-butyl ether	2.7	ug/L	1.0	0.42	1		04/04/22 21:16	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 21:16	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 21:16	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 21:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 21:16	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 21:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/04/22 21:16	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/04/22 21:16	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		04/04/22 21:16	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-MW-32 Lab ID: 92596822032 Collected: 03/29/22 10:41 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	97.9J	ug/L	100	36.4	1		04/04/22 23:02	75-85-4	
tert-Amylmethyl ether	2.7J	ug/L	10.0	2.7	1		04/04/22 23:02	994-05-8	
Benzene	127	ug/L	1.0	0.34	1		04/04/22 23:02	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 23:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 23:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 23:02	762-75-4	P5
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 23:02	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 23:02	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 23:02	64-17-5	
Ethylbenzene	1.3	ug/L	1.0	0.30	1		04/04/22 23:02	100-41-4	
Ethyl-tert-butyl ether	12.9	ug/L	10.0	3.2	1		04/04/22 23:02	637-92-3	
Methyl-tert-butyl ether	4.4	ug/L	1.0	0.42	1		04/04/22 23:02	1634-04-4	
Naphthalene	0.86J	ug/L	1.0	0.64	1		04/04/22 23:02	91-20-3	
Toluene	1.7	ug/L	1.0	0.48	1		04/04/22 23:02	108-88-3	
Xylene (Total)	10.4	ug/L	1.0	0.34	1		04/04/22 23:02	1330-20-7	
m&p-Xylene	7.9	ug/L	2.0	0.71	1		04/04/22 23:02	179601-23-1	
o-Xylene	2.5	ug/L	1.0	0.34	1		04/04/22 23:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/04/22 23:02	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/04/22 23:02	17060-07-0	
Toluene-d8 (S)	90	%	70-130		1		04/04/22 23:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-MW-33 **Lab ID: 92596822033** Collected: 03/29/22 10:53 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	20000	7280	200		04/05/22 12:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		04/05/22 12:26	994-05-8	v1
Benzene	10400	ug/L	200	69.0	200		04/05/22 12:26	71-43-2	v1
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		04/05/22 12:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		04/05/22 12:26	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		04/05/22 12:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		04/05/22 12:26	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		04/05/22 12:26	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		04/05/22 12:26	64-17-5	L1
Ethylbenzene	1700	ug/L	200	60.8	200		04/05/22 12:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		04/05/22 12:26	637-92-3	
Methyl-tert-butyl ether	280	ug/L	200	84.4	200		04/05/22 12:26	1634-04-4	
Naphthalene	136J	ug/L	200	129	200		04/05/22 12:26	91-20-3	
Toluene	23000	ug/L	200	97.0	200		04/05/22 12:26	108-88-3	
Xylene (Total)	9020	ug/L	200	67.6	200		04/05/22 12:26	1330-20-7	
m&p-Xylene	5890	ug/L	400	142	200		04/05/22 12:26	179601-23-1	
o-Xylene	3130	ug/L	200	67.6	200		04/05/22 12:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		200		04/05/22 12:26	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		200		04/05/22 12:26	17060-07-0	
Toluene-d8 (S)	99	%	70-130		200		04/05/22 12:26	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-34 **Lab ID: 92596822034** Collected: 03/29/22 12:59 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 18:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 18:39	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 18:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 18:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 18:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 18:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 18:39	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 18:39	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 18:39	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 18:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 18:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/04/22 18:39	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 18:39	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 18:39	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 18:39	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 18:39	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 18:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/04/22 18:39	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		04/04/22 18:39	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		04/04/22 18:39	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-35 **Lab ID: 92596822035** Collected: 03/29/22 13:11 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/04/22 18:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 18:56	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 18:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 18:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/04/22 18:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 18:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 18:56	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/04/22 18:56	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 18:56	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/04/22 18:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 18:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/04/22 18:56	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 18:56	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 18:56	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 18:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 18:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 18:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/04/22 18:56	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/04/22 18:56	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		04/04/22 18:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-MW-36		Lab ID: 92596822036		Collected: 03/29/22 14:05	Received: 04/01/22 14:07	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							
tert-Amyl Alcohol	798	ug/L	100	36.4	1		04/04/22 22:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/04/22 22:44	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/04/22 22:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/04/22 22:44	624-95-3	
tert-Butyl Alcohol	52.0J	ug/L	100	26.8	1		04/04/22 22:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/04/22 22:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/04/22 22:44	107-06-2	
Diisopropyl ether	0.38J	ug/L	1.0	0.31	1		04/04/22 22:44	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/04/22 22:44	64-17-5	
Ethylbenzene	0.60J	ug/L	1.0	0.30	1		04/04/22 22:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/04/22 22:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/04/22 22:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/04/22 22:44	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/04/22 22:44	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/04/22 22:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/04/22 22:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/04/22 22:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/04/22 22:44	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/04/22 22:44	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/04/22 22:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-MW-37 **Lab ID: 92596822037** Collected: 03/29/22 08:33 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 04:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 04:49	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 04:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 04:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 04:49	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 04:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 04:49	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 04:49	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 04:49	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 04:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 04:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 04:49	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 04:49	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 04:49	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 04:49	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 04:49	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 04:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/05/22 04:49	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		04/05/22 04:49	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/05/22 04:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-MW-38 Lab ID: 92596822038 Collected: 03/29/22 09:48 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 09:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 09:59	994-05-8	
Benzene	33.0	ug/L	1.0	0.34	1		04/05/22 09:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 09:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 09:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 09:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 09:59	107-06-2	
Diisopropyl ether	0.33J	ug/L	1.0	0.31	1		04/05/22 09:59	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 09:59	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 09:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 09:59	637-92-3	
Methyl-tert-butyl ether	9.0	ug/L	1.0	0.42	1		04/05/22 09:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 09:59	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 09:59	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 09:59	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 09:59	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 09:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/05/22 09:59	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/05/22 09:59	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/05/22 09:59	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-DMW-1 **Lab ID: 92596822039** Collected: 03/29/22 13:53 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 05:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 05:07	994-05-8	
Benzene	0.58J	ug/L	1.0	0.34	1		04/05/22 05:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 05:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 05:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 05:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 05:07	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 05:07	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 05:07	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 05:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 05:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 05:07	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 05:07	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 05:07	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 05:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 05:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 05:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/05/22 05:07	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		04/05/22 05:07	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/05/22 05:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-DMW-2 **Lab ID: 92596822040** Collected: 03/29/22 11:35 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 05:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 05:25	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 05:25	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 05:25	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 05:25	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 05:25	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 05:25	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 05:25	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 05:25	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 05:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 05:25	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 05:25	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 05:25	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 05:25	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 05:25	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 05:25	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 05:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/05/22 05:25	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/05/22 05:25	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/05/22 05:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-DMW-3 **Lab ID: 92596822041** Collected: 03/29/22 10:48 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 09:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 09:04	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 09:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 09:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 09:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 09:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 09:04	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 09:04	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 09:04	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 09:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 09:04	637-92-3	
Methyl-tert-butyl ether	0.72J	ug/L	1.0	0.42	1		04/05/22 09:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 09:04	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 09:04	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 09:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 09:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 09:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/05/22 09:04	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		04/05/22 09:04	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/05/22 09:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-DMW-4 **Lab ID: 92596822042** Collected: 03/30/22 10:36 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 05:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 05:44	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 05:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 05:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 05:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 05:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 05:44	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 05:44	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 05:44	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 05:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 05:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 05:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 05:44	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 05:44	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 05:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 05:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 05:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/05/22 05:44	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		04/05/22 05:44	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/05/22 05:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-DMW-5 **Lab ID: 92596822043** Collected: 03/30/22 11:16 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 06:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 06:02	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 06:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 06:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 06:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 06:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 06:02	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 06:02	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 06:02	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 06:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 06:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 06:02	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 06:02	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 06:02	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 06:02	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 06:02	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 06:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/05/22 06:02	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/05/22 06:02	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/05/22 06:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-RW-1 **Lab ID: 92596822044** Collected: 03/30/22 10:32 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	20500	ug/L	20000	7280	200		04/05/22 13:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		04/05/22 13:20	994-05-8	
Benzene	9810	ug/L	200	69.0	200		04/05/22 13:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		04/05/22 13:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		04/05/22 13:20	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		04/05/22 13:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		04/05/22 13:20	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		04/05/22 13:20	108-20-3	
Ethanol	105000	ug/L	40000	14400	200		04/05/22 13:20	64-17-5	
Ethylbenzene	840	ug/L	200	60.8	200		04/05/22 13:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		04/05/22 13:20	637-92-3	
Methyl-tert-butyl ether	1310	ug/L	200	84.4	200		04/05/22 13:20	1634-04-4	
Naphthalene	ND	ug/L	200	129	200		04/05/22 13:20	91-20-3	
Toluene	17500	ug/L	200	97.0	200		04/05/22 13:20	108-88-3	
Xylene (Total)	5020	ug/L	200	67.6	200		04/05/22 13:20	1330-20-7	
m&p-Xylene	3150	ug/L	400	142	200		04/05/22 13:20	179601-23-1	
o-Xylene	1870	ug/L	200	67.6	200		04/05/22 13:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		200		04/05/22 13:20	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		200		04/05/22 13:20	17060-07-0	
Toluene-d8 (S)	101	%	70-130		200		04/05/22 13:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-RW-2 **Lab ID: 92596822045** Collected: 03/30/22 10:43 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	50000	18200	500		04/06/22 19:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	5000	1330	500		04/06/22 19:10	994-05-8	
Benzene	3170	ug/L	500	172	500		04/06/22 19:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	50000	26000	500		04/06/22 19:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	50000	13400	500		04/06/22 19:10	75-65-0	
tert-Butyl Formate	ND	ug/L	25000	14700	500		04/06/22 19:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	161	500		04/06/22 19:10	107-06-2	
Diisopropyl ether	ND	ug/L	500	154	500		04/06/22 19:10	108-20-3	
Ethanol	3850000	ug/L	100000	36100	500		04/06/22 19:10	64-17-5	
Ethylbenzene	1430	ug/L	500	152	500		04/06/22 19:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	5000	1620	500		04/06/22 19:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	211	500		04/06/22 19:10	1634-04-4	
Naphthalene	ND	ug/L	500	322	500		04/06/22 19:10	91-20-3	
Toluene	14100	ug/L	500	242	500		04/06/22 19:10	108-88-3	
Xylene (Total)	7400	ug/L	500	169	500		04/06/22 19:10	1330-20-7	
m&p-Xylene	5040	ug/L	1000	354	500		04/06/22 19:10	179601-23-1	
o-Xylene	2360	ug/L	500	169	500		04/06/22 19:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		500		04/06/22 19:10	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		500		04/06/22 19:10	17060-07-0	
Toluene-d8 (S)	105	%	70-130		500		04/06/22 19:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-RW-3 **Lab ID: 92596822046** Collected: 03/30/22 10:56 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	23100	ug/L	20000	7280	200		04/05/22 11:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		04/05/22 11:31	994-05-8	
Benzene	10500	ug/L	200	69.0	200		04/05/22 11:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		04/05/22 11:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		04/05/22 11:31	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		04/05/22 11:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		04/05/22 11:31	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		04/05/22 11:31	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		04/05/22 11:31	64-17-5	
Ethylbenzene	2150	ug/L	200	60.8	200		04/05/22 11:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		04/05/22 11:31	637-92-3	
Methyl-tert-butyl ether	274	ug/L	200	84.4	200		04/05/22 11:31	1634-04-4	
Naphthalene	318	ug/L	200	129	200		04/05/22 11:31	91-20-3	
Toluene	29400	ug/L	200	97.0	200		04/05/22 11:31	108-88-3	
Xylene (Total)	11900	ug/L	200	67.6	200		04/05/22 11:31	1330-20-7	
m&p-Xylene	7910	ug/L	400	142	200		04/05/22 11:31	179601-23-1	
o-Xylene	3960	ug/L	200	67.6	200		04/05/22 11:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		200		04/05/22 11:31	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		200		04/05/22 11:31	17060-07-0	
Toluene-d8 (S)	100	%	70-130		200		04/05/22 11:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-RW-4 **Lab ID: 92596822047** Collected: 03/30/22 11:10 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 10:18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 10:18	994-05-8	
Benzene	0.93J	ug/L	1.0	0.34	1		04/05/22 10:18	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 10:18	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 10:18	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 10:18	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 10:18	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 10:18	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 10:18	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 10:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 10:18	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 10:18	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 10:18	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 10:18	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 10:18	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 10:18	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 10:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/05/22 10:18	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/05/22 10:18	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/05/22 10:18	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-RW-7		Lab ID: 92596822048		Collected: 03/30/22 11:44		Received: 04/01/22 14:07		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							
tert-Amyl Alcohol	26500	ug/L	20000	7280	200		04/05/22 13:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		04/05/22 13:02	994-05-8	
Benzene	14600	ug/L	200	69.0	200		04/05/22 13:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		04/05/22 13:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		04/05/22 13:02	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		04/05/22 13:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		04/05/22 13:02	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		04/05/22 13:02	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		04/05/22 13:02	64-17-5	
Ethylbenzene	1130	ug/L	200	60.8	200		04/05/22 13:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		04/05/22 13:02	637-92-3	
Methyl-tert-butyl ether	447	ug/L	200	84.4	200		04/05/22 13:02	1634-04-4	
Naphthalene	228	ug/L	200	129	200		04/05/22 13:02	91-20-3	
Toluene	24100	ug/L	200	97.0	200		04/05/22 13:02	108-88-3	
Xylene (Total)	9820	ug/L	200	67.6	200		04/05/22 13:02	1330-20-7	
m&p-Xylene	6460	ug/L	400	142	200		04/05/22 13:02	179601-23-1	
o-Xylene	3360	ug/L	200	67.6	200		04/05/22 13:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		200		04/05/22 13:02	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		200		04/05/22 13:02	17060-07-0	
Toluene-d8 (S)	99	%	70-130		200		04/05/22 13:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-RW-8 **Lab ID: 92596822049** Collected: 03/30/22 14:19 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	3900	ug/L	2000	728	20		04/05/22 10:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	53.2	20		04/05/22 10:36	994-05-8	
Benzene	1580	ug/L	20.0	6.9	20		04/05/22 10:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	1040	20		04/05/22 10:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	536	20		04/05/22 10:36	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	588	20		04/05/22 10:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	20.0	6.4	20		04/05/22 10:36	107-06-2	
Diisopropyl ether	ND	ug/L	20.0	6.2	20		04/05/22 10:36	108-20-3	
Ethanol	ND	ug/L	4000	1440	20		04/05/22 10:36	64-17-5	
Ethylbenzene	396	ug/L	20.0	6.1	20		04/05/22 10:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	64.8	20		04/05/22 10:36	637-92-3	
Methyl-tert-butyl ether	62.3	ug/L	20.0	8.4	20		04/05/22 10:36	1634-04-4	
Naphthalene	187	ug/L	20.0	12.9	20		04/05/22 10:36	91-20-3	
Toluene	3630	ug/L	20.0	9.7	20		04/05/22 10:36	108-88-3	
Xylene (Total)	4170	ug/L	20.0	6.8	20		04/05/22 10:36	1330-20-7	
m&p-Xylene	2870	ug/L	40.0	14.2	20		04/05/22 10:36	179601-23-1	
o-Xylene	1300	ug/L	20.0	6.8	20		04/05/22 10:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		20		04/05/22 10:36	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		20		04/05/22 10:36	17060-07-0	
Toluene-d8 (S)	98	%	70-130		20		04/05/22 10:36	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-RW-9 Lab ID: 92596822050 Collected: 03/30/22 14:34 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	19200	ug/L	5000	1820	50		04/06/22 17:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/06/22 17:20	994-05-8	
Benzene	2760	ug/L	50.0	17.2	50		04/06/22 17:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/06/22 17:20	624-95-3	
tert-Butyl Alcohol	2240J	ug/L	5000	1340	50		04/06/22 17:20	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/06/22 17:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/06/22 17:20	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		04/06/22 17:20	108-20-3	
Ethanol	233000	ug/L	10000	3610	50		04/06/22 17:20	64-17-5	
Ethylbenzene	459	ug/L	50.0	15.2	50		04/06/22 17:20	100-41-4	
Ethyl-tert-butyl ether	204J	ug/L	500	162	50		04/06/22 17:20	637-92-3	
Methyl-tert-butyl ether	714	ug/L	50.0	21.1	50		04/06/22 17:20	1634-04-4	
Naphthalene	69.7	ug/L	50.0	32.2	50		04/06/22 17:20	91-20-3	
Toluene	5890	ug/L	50.0	24.2	50		04/06/22 17:20	108-88-3	
Xylene (Total)	2450	ug/L	50.0	16.9	50		04/06/22 17:20	1330-20-7	
m&p-Xylene	1610	ug/L	100	35.4	50		04/06/22 17:20	179601-23-1	
o-Xylene	837	ug/L	50.0	16.9	50		04/06/22 17:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		50		04/06/22 17:20	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		50		04/06/22 17:20	17060-07-0	
Toluene-d8 (S)	103	%	70-130		50		04/06/22 17:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-RW-12 Lab ID: 92596822051 Collected: 03/30/22 14:51 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	2940J	ug/L	5000	1820	50		04/06/22 17:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/06/22 17:39	994-05-8	
Benzene	2960	ug/L	50.0	17.2	50		04/06/22 17:39	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/06/22 17:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		04/06/22 17:39	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/06/22 17:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/06/22 17:39	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		04/06/22 17:39	108-20-3	
Ethanol	ND	ug/L	10000	3610	50		04/06/22 17:39	64-17-5	
Ethylbenzene	597	ug/L	50.0	15.2	50		04/06/22 17:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		04/06/22 17:39	637-92-3	
Methyl-tert-butyl ether	83.5	ug/L	50.0	21.1	50		04/06/22 17:39	1634-04-4	
Naphthalene	109	ug/L	50.0	32.2	50		04/06/22 17:39	91-20-3	
Toluene	6480	ug/L	50.0	24.2	50		04/06/22 17:39	108-88-3	M1
Xylene (Total)	4900	ug/L	50.0	16.9	50		04/06/22 17:39	1330-20-7	MS
m&p-Xylene	2890	ug/L	100	35.4	50		04/06/22 17:39	179601-23-1	
o-Xylene	2000	ug/L	50.0	16.9	50		04/06/22 17:39	95-47-6	M1
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		50		04/06/22 17:39	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		50		04/06/22 17:39	17060-07-0	
Toluene-d8 (S)	103	%	70-130		50		04/06/22 17:39	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-SW-1 **Lab ID: 92596822052** Collected: 03/30/22 13:04 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 06:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 06:20	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 06:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 06:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 06:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 06:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 06:20	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 06:20	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 06:20	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 06:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 06:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 06:20	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 06:20	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 06:20	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 06:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 06:20	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 06:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/05/22 06:20	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		04/05/22 06:20	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/05/22 06:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-SW-2 **Lab ID: 92596822053** Collected: 03/29/22 14:59 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 06:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 06:38	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 06:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 06:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 06:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 06:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 06:38	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 06:38	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 06:38	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 06:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 06:38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 06:38	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 06:38	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 06:38	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 06:38	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 06:38	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 06:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/05/22 06:38	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		04/05/22 06:38	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/05/22 06:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-SW-3 **Lab ID: 92596822054** Collected: 03/29/22 14:48 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 09:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 09:23	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 09:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 09:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 09:23	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 09:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 09:23	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 09:23	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 09:23	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 09:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 09:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 09:23	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 09:23	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 09:23	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 09:23	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 09:23	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 09:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/05/22 09:23	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/05/22 09:23	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/05/22 09:23	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-SW-4 **Lab ID: 92596822055** Collected: 03/29/22 11:44 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 09:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 09:41	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 09:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 09:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 09:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 09:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 09:41	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 09:41	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 09:41	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 09:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 09:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 09:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 09:41	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 09:41	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 09:41	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 09:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 09:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/05/22 09:41	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/05/22 09:41	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		04/05/22 09:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-SW-5 **Lab ID: 92596822056** Collected: 03/30/22 11:39 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 06:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 06:57	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 06:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 06:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 06:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 06:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 06:57	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 06:57	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 06:57	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 06:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 06:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 06:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 06:57	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 06:57	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 06:57	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 06:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 06:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/05/22 06:57	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		04/05/22 06:57	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/05/22 06:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-SW-7 **Lab ID: 92596822057** Collected: 03/30/22 11:59 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 07:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 07:15	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 07:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 07:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 07:15	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 07:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 07:15	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 07:15	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 07:15	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 07:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 07:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 07:15	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 07:15	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 07:15	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 07:15	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 07:15	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 07:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/05/22 07:15	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		04/05/22 07:15	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/05/22 07:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-SW-8 **Lab ID: 92596822058** Collected: 03/30/22 12:12 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 07:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 07:33	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 07:33	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 07:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 07:33	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 07:33	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 07:33	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 07:33	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 07:33	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 07:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 07:33	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 07:33	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 07:33	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 07:33	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 07:33	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 07:33	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 07:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/05/22 07:33	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		04/05/22 07:33	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/05/22 07:33	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-SW-9 Lab ID: 92596822059 Collected: 03/30/22 12:22 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 07:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 07:51	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 07:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 07:51	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 07:51	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 07:51	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 07:51	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 07:51	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 07:51	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 07:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 07:51	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 07:51	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 07:51	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 07:51	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 07:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 07:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 07:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/05/22 07:51	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		04/05/22 07:51	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/05/22 07:51	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-DUP-1 **Lab ID: 92596822060** Collected: 03/29/22 12:43 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	16600J	ug/L	20000	7280	200		04/06/22 18:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		04/06/22 18:15	994-05-8	
Benzene	10000	ug/L	200	69.0	200		04/06/22 18:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		04/06/22 18:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		04/06/22 18:15	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		04/06/22 18:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		04/06/22 18:15	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		04/06/22 18:15	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		04/06/22 18:15	64-17-5	
Ethylbenzene	1350	ug/L	200	60.8	200		04/06/22 18:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		04/06/22 18:15	637-92-3	
Methyl-tert-butyl ether	416	ug/L	200	84.4	200		04/06/22 18:15	1634-04-4	
Naphthalene	ND	ug/L	200	129	200		04/06/22 18:15	91-20-3	
Toluene	22100	ug/L	200	97.0	200		04/06/22 18:15	108-88-3	
Xylene (Total)	6700	ug/L	200	67.6	200		04/06/22 18:15	1330-20-7	
m&p-Xylene	4310	ug/L	400	142	200		04/06/22 18:15	179601-23-1	
o-Xylene	2390	ug/L	200	67.6	200		04/06/22 18:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		200		04/06/22 18:15	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		200		04/06/22 18:15	17060-07-0	
Toluene-d8 (S)	106	%	70-130		200		04/06/22 18:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-DUP-2 **Lab ID: 92596822061** Collected: 03/29/22 10:55 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	20000	7280	200		04/06/22 18:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		04/06/22 18:52	994-05-8	
Benzene	9410	ug/L	200	69.0	200		04/06/22 18:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		04/06/22 18:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		04/06/22 18:52	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		04/06/22 18:52	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		04/06/22 18:52	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		04/06/22 18:52	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		04/06/22 18:52	64-17-5	
Ethylbenzene	1690	ug/L	200	60.8	200		04/06/22 18:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		04/06/22 18:52	637-92-3	
Methyl-tert-butyl ether	205	ug/L	200	84.4	200		04/06/22 18:52	1634-04-4	
Naphthalene	ND	ug/L	200	129	200		04/06/22 18:52	91-20-3	
Toluene	22700	ug/L	200	97.0	200		04/06/22 18:52	108-88-3	
Xylene (Total)	8340	ug/L	200	67.6	200		04/06/22 18:52	1330-20-7	
m&p-Xylene	5450	ug/L	400	142	200		04/06/22 18:52	179601-23-1	
o-Xylene	2890	ug/L	200	67.6	200		04/06/22 18:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		200		04/06/22 18:52	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		200		04/06/22 18:52	17060-07-0	
Toluene-d8 (S)	102	%	70-130		200		04/06/22 18:52	2037-26-5	

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-FB-2 **Lab ID: 92596822062** Collected: 03/29/22 08:00 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 03:18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 03:18	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 03:18	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 03:18	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 03:18	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 03:18	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 03:18	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 03:18	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 03:18	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 03:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 03:18	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 03:18	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 03:18	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 03:18	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 03:18	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 03:18	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 03:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/05/22 03:18	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		04/05/22 03:18	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/05/22 03:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Sample: 01589-TB-1 **Lab ID: 92596822063** Collected: 03/29/22 00:00 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 03:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 03:36	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 03:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 03:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 03:36	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 03:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 03:36	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 03:36	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 03:36	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 03:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 03:36	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 03:36	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 03:36	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 03:36	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 03:36	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 03:36	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 03:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/05/22 03:36	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		04/05/22 03:36	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/05/22 03:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Sample: 01589-TB-2 **Lab ID: 92596822064** Collected: 03/29/22 00:00 Received: 04/01/22 14:07 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									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 03:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 03:54	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/05/22 03:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 03:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 03:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 03:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/05/22 03:54	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 03:54	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 03:54	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/05/22 03:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 03:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/05/22 03:54	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/05/22 03:54	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/05/22 03:54	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/05/22 03:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/05/22 03:54	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/05/22 03:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/05/22 03:54	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		04/05/22 03:54	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/05/22 03:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

QC Batch: 689262 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92596822037, 92596822039, 92596822040, 92596822041, 92596822042, 92596822043, 92596822052, 92596822053, 92596822056, 92596822057, 92596822058, 92596822059, 92596822062, 92596822063, 92596822064

METHOD BLANK: 3601909 Matrix: Water
Associated Lab Samples: 92596822037, 92596822039, 92596822040, 92596822041, 92596822042, 92596822043, 92596822052, 92596822053, 92596822056, 92596822057, 92596822058, 92596822059, 92596822062, 92596822063, 92596822064

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/05/22 03:00	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/05/22 03:00	
Benzene	ug/L	ND	1.0	0.34	04/05/22 03:00	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/05/22 03:00	
Ethanol	ug/L	ND	200	72.2	04/05/22 03:00	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/05/22 03:00	
Ethylbenzene	ug/L	ND	1.0	0.30	04/05/22 03:00	
m&p-Xylene	ug/L	ND	2.0	0.71	04/05/22 03:00	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/05/22 03:00	
Naphthalene	ug/L	ND	1.0	0.64	04/05/22 03:00	
o-Xylene	ug/L	ND	1.0	0.34	04/05/22 03:00	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/05/22 03:00	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/05/22 03:00	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/05/22 03:00	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/05/22 03:00	
Toluene	ug/L	ND	1.0	0.48	04/05/22 03:00	
Xylene (Total)	ug/L	ND	1.0	0.34	04/05/22 03:00	
1,2-Dichloroethane-d4 (S)	%	97	70-130		04/05/22 03:00	
4-Bromofluorobenzene (S)	%	98	70-130		04/05/22 03:00	
Toluene-d8 (S)	%	102	70-130		04/05/22 03:00	

LABORATORY CONTROL SAMPLE: 3601910

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	44.8	90	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1090	109	70-130	
Benzene	ug/L	50	43.8	88	70-130	
Diisopropyl ether	ug/L	50	46.5	93	70-130	
Ethanol	ug/L	2000	1950	98	70-130	
Ethyl-tert-butyl ether	ug/L	100	93.2	93	70-130	
Ethylbenzene	ug/L	50	48.0	96	70-130	
m&p-Xylene	ug/L	100	98.8	99	70-130	
Methyl-tert-butyl ether	ug/L	50	48.8	98	70-130	
Naphthalene	ug/L	50	54.8	110	70-130	
o-Xylene	ug/L	50	49.5	99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

LABORATORY CONTROL SAMPLE: 3601910

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Amyl Alcohol	ug/L	1000	1050	105	70-130	
tert-Amylmethyl ether	ug/L	100	99.1	99	70-130	
tert-Butyl Alcohol	ug/L	500	515	103	70-130	
tert-Butyl Formate	ug/L	400	397	99	70-130	
Toluene	ug/L	50	44.2	88	70-130	
Xylene (Total)	ug/L	150	148	99	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3601911 3601912

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92596822041 Result	Spike Conc.	Spike Conc.	MS Result						
1,2-Dichloroethane	ug/L	ND	20	20	19.1	18.6	95	93	70-137	3	30
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	407	407	102	102	39-157	0	30
Benzene	ug/L	ND	20	20	19.3	19.3	97	97	70-151	0	30
Diisopropyl ether	ug/L	ND	20	20	18.3	18.5	92	92	63-144	1	30
Ethanol	ug/L	ND	800	800	812	786	102	98	39-176	3	30
Ethyl-tert-butyl ether	ug/L	ND	40	40	37.7	37.4	94	93	66-137	1	30
Ethylbenzene	ug/L	ND	20	20	20.8	20.3	104	102	66-153	2	30
m&p-Xylene	ug/L	ND	40	40	42.1	41.5	105	104	69-152	2	30
Methyl-tert-butyl ether	ug/L	0.72J	20	20	19.8	19.7	95	95	54-156	0	30
Naphthalene	ug/L	ND	20	20	21.0	20.9	105	105	61-148	0	30
o-Xylene	ug/L	ND	20	20	21.0	20.5	105	103	70-148	2	30
tert-Amyl Alcohol	ug/L	ND	400	400	393	398	98	100	54-153	1	30
tert-Amylmethyl ether	ug/L	ND	40	40	39.6	39.9	99	100	69-139	1	30
tert-Butyl Alcohol	ug/L	ND	200	200	258	267	129	133	43-188	3	30
tert-Butyl Formate	ug/L	ND	160	160	55.2	41.5J	35	26	10-170		30
Toluene	ug/L	ND	20	20	19.6	19.6	98	98	59-148	0	30
Xylene (Total)	ug/L	ND	60	60	63.1	62.0	105	103	63-158	2	30
1,2-Dichloroethane-d4 (S)	%						91	94	70-130		
4-Bromofluorobenzene (S)	%						98	97	70-130		
Toluene-d8 (S)	%						98	98	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

QC Batch: 689264 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92596822038, 92596822044, 92596822046, 92596822047, 92596822048, 92596822049, 92596822054, 92596822055

METHOD BLANK: 3601920 Matrix: Water
Associated Lab Samples: 92596822038, 92596822044, 92596822046, 92596822047, 92596822048, 92596822049, 92596822054, 92596822055

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/05/22 02:41	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/05/22 02:41	
Benzene	ug/L	ND	1.0	0.34	04/05/22 02:41	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/05/22 02:41	
Ethanol	ug/L	ND	200	72.2	04/05/22 02:41	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/05/22 02:41	
Ethylbenzene	ug/L	ND	1.0	0.30	04/05/22 02:41	
m&p-Xylene	ug/L	ND	2.0	0.71	04/05/22 02:41	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/05/22 02:41	
Naphthalene	ug/L	ND	1.0	0.64	04/05/22 02:41	
o-Xylene	ug/L	ND	1.0	0.34	04/05/22 02:41	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/05/22 02:41	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/05/22 02:41	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/05/22 02:41	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/05/22 02:41	
Toluene	ug/L	ND	1.0	0.48	04/05/22 02:41	
Xylene (Total)	ug/L	ND	1.0	0.34	04/05/22 02:41	
1,2-Dichloroethane-d4 (S)	%	96	70-130		04/05/22 02:41	
4-Bromofluorobenzene (S)	%	98	70-130		04/05/22 02:41	
Toluene-d8 (S)	%	104	70-130		04/05/22 02:41	

LABORATORY CONTROL SAMPLE: 3601921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	45.4	91	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1060	106	70-130	
Benzene	ug/L	50	44.6	89	70-130	
Diisopropyl ether	ug/L	50	46.0	92	70-130	
Ethanol	ug/L	2000	1910	95	70-130	
Ethyl-tert-butyl ether	ug/L	100	93.6	94	70-130	
Ethylbenzene	ug/L	50	47.2	94	70-130	
m&p-Xylene	ug/L	100	97.0	97	70-130	
Methyl-tert-butyl ether	ug/L	50	48.7	97	70-130	
Naphthalene	ug/L	50	54.4	109	70-130	
o-Xylene	ug/L	50	48.6	97	70-130	
tert-Amyl Alcohol	ug/L	1000	1030	103	70-130	
tert-Amylmethyl ether	ug/L	100	99.4	99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

LABORATORY CONTROL SAMPLE: 3601921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Alcohol	ug/L	500	502	100	70-130	
tert-Butyl Formate	ug/L	400	398	100	70-130	
Toluene	ug/L	50	44.6	89	70-130	
Xylene (Total)	ug/L	150	146	97	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3601922 3601923

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92596822049 Result	Spike Conc.	Spike Conc.	MS Result						
1,2-Dichloroethane	ug/L	ND	400	400	388	363	97	91	70-137	7	30
3,3-Dimethyl-1-Butanol	ug/L	ND	8000	8000	7930	8390	99	105	39-157	6	30
Benzene	ug/L	1580	400	400	2020	1970	110	97	70-151	3	30
Diisopropyl ether	ug/L	ND	400	400	390	363	97	91	63-144	7	30
Ethanol	ug/L	ND	16000	16000	15500	15900	97	99	39-176	2	30
Ethyl-tert-butyl ether	ug/L	ND	800	800	823	799	98	95	66-137	3	30
Ethylbenzene	ug/L	396	400	400	842	810	111	103	66-153	4	30
m&p-Xylene	ug/L	2870	800	800	3830	3670	121	101	69-152	4	30
Methyl-tert-butyl ether	ug/L	62.3	400	400	455	470	98	102	54-156	3	30
Naphthalene	ug/L	187	400	400	666	664	120	119	61-148	0	30
o-Xylene	ug/L	1300	400	400	1790	1730	122	108	70-148	3	30
tert-Amyl Alcohol	ug/L	3900	8000	8000	12000	12900	101	112	54-153	7	30
tert-Amylmethyl ether	ug/L	ND	800	800	824	813	103	102	69-139	1	30
tert-Butyl Alcohol	ug/L	ND	4000	4000	5050	5410	120	129	43-188	7	30
tert-Butyl Formate	ug/L	ND	3200	3200	1650	1590	52	50	10-170	4	30
Toluene	ug/L	3630	400	400	4060	3930	107	73	59-148	3	30 E
Xylene (Total)	ug/L	4170	1200	1200	5620	5410	121	103	63-158	4	30
1,2-Dichloroethane-d4 (S)	%						91	90	70-130		
4-Bromofluorobenzene (S)	%						99	98	70-130		
Toluene-d8 (S)	%						97	97	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

QC Batch:	689266	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV Low Level SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92596822004, 92596822008, 92596822009, 92596822010, 92596822011, 92596822016, 92596822022, 92596822023, 92596822024, 92596822025, 92596822026, 92596822027, 92596822028, 92596822029, 92596822030, 92596822031, 92596822032, 92596822034, 92596822035, 92596822036

METHOD BLANK: 3601929 Matrix: Water
Associated Lab Samples: 92596822004, 92596822008, 92596822009, 92596822010, 92596822011, 92596822016, 92596822022, 92596822023, 92596822024, 92596822025, 92596822026, 92596822027, 92596822028, 92596822029, 92596822030, 92596822031, 92596822032, 92596822034, 92596822035, 92596822036

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/04/22 17:11	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/04/22 17:11	
Benzene	ug/L	ND	1.0	0.34	04/04/22 17:11	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/04/22 17:11	
Ethanol	ug/L	ND	200	72.2	04/04/22 17:11	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/04/22 17:11	
Ethylbenzene	ug/L	ND	1.0	0.30	04/04/22 17:11	
m&p-Xylene	ug/L	ND	2.0	0.71	04/04/22 17:11	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/04/22 17:11	
Naphthalene	ug/L	ND	1.0	0.64	04/04/22 17:11	
o-Xylene	ug/L	ND	1.0	0.34	04/04/22 17:11	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/04/22 17:11	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/04/22 17:11	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/04/22 17:11	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/04/22 17:11	
Toluene	ug/L	ND	1.0	0.48	04/04/22 17:11	
Xylene (Total)	ug/L	ND	1.0	0.34	04/04/22 17:11	
1,2-Dichloroethane-d4 (S)	%	107	70-130		04/04/22 17:11	
4-Bromofluorobenzene (S)	%	99	70-130		04/04/22 17:11	
Toluene-d8 (S)	%	98	70-130		04/04/22 17:11	

LABORATORY CONTROL SAMPLE: 3601930

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	47.5	95	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1090	109	70-130	
Benzene	ug/L	50	45.1	90	70-130	
Diisopropyl ether	ug/L	50	48.5	97	70-130	
Ethanol	ug/L	2000	1710	86	70-130	
Ethyl-tert-butyl ether	ug/L	100	95.5	96	70-130	
Ethylbenzene	ug/L	50	49.2	98	70-130	
m&p-Xylene	ug/L	100	98.0	98	70-130	
Methyl-tert-butyl ether	ug/L	50	49.3	99	70-130	
Naphthalene	ug/L	50	52.7	105	70-130	
o-Xylene	ug/L	50	49.4	99	70-130	

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

LABORATORY CONTROL SAMPLE: 3601930

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Amyl Alcohol	ug/L	1000	983	98	70-130	
tert-Amylmethyl ether	ug/L	100	99.8	100	70-130	
tert-Butyl Alcohol	ug/L	500	489	98	70-130	
tert-Butyl Formate	ug/L	400	422	105	70-130	
Toluene	ug/L	50	46.3	93	70-130	
Xylene (Total)	ug/L	150	147	98	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3601931 3601932

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92596822032	Spike Conc.	Spike Conc.	Result								
1,2-Dichloroethane	ug/L	ND	20	20	16.7	19.6	84	98	70-137	16	30		
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	363	401	91	100	39-157	10	30		
Benzene	ug/L	127	20	20	168	167	206	199	70-151	1	30	M1	
Diisopropyl ether	ug/L	ND	20	20	17.0	18.5	85	93	63-144	8	30		
Ethanol	ug/L	ND	800	800	705	816	88	102	39-176	15	30		
Ethyl-tert-butyl ether	ug/L	12.9	40	40	49.0	53.5	90	102	66-137	9	30		
Ethylbenzene	ug/L	1.3	20	20	19.6	22.0	91	103	66-153	11	30		
m&p-Xylene	ug/L	7.9	40	40	42.9	47.9	88	100	69-152	11	30		
Methyl-tert-butyl ether	ug/L	4.4	20	20	18.8	24.5	72	101	54-156	26	30		
Naphthalene	ug/L	0.86J	20	20	19.0	21.5	91	103	61-148	13	30		
o-Xylene	ug/L	2.5	20	20	20.3	22.2	89	99	70-148	9	30		
tert-Amyl Alcohol	ug/L	97.9J	400	400	483	513	96	104	54-153	6	30		
tert-Amylmethyl ether	ug/L	2.7J	40	40	39.4	42.8	92	100	69-139	8	30		
tert-Butyl Alcohol	ug/L	ND	200	200	278	327	130	154	43-188	16	30		
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	3	3	10-170		30	P5	
Toluene	ug/L	1.7	20	20	20.5	21.8	94	101	59-148	6	30		
Xylene (Total)	ug/L	10.4	60	60	63.2	70.1	88	100	63-158	10	30		
1,2-Dichloroethane-d4 (S)	%						90	91	70-130				
4-Bromofluorobenzene (S)	%						101	100	70-130				
Toluene-d8 (S)	%						100	99	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

QC Batch:	689269	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV Low Level SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92596822005, 92596822013, 92596822014, 92596822017, 92596822019, 92596822020, 92596822021, 92596822033

METHOD BLANK: 3601963 Matrix: Water
Associated Lab Samples: 92596822005, 92596822013, 92596822014, 92596822017, 92596822019, 92596822020, 92596822021, 92596822033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/05/22 03:15	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/05/22 03:15	
Benzene	ug/L	ND	1.0	0.34	04/05/22 03:15	v1
Diisopropyl ether	ug/L	ND	1.0	0.31	04/05/22 03:15	
Ethanol	ug/L	ND	200	72.2	04/05/22 03:15	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/05/22 03:15	
Ethylbenzene	ug/L	ND	1.0	0.30	04/05/22 03:15	
m&p-Xylene	ug/L	ND	2.0	0.71	04/05/22 03:15	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/05/22 03:15	
Naphthalene	ug/L	ND	1.0	0.64	04/05/22 03:15	
o-Xylene	ug/L	ND	1.0	0.34	04/05/22 03:15	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/05/22 03:15	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/05/22 03:15	v1
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/05/22 03:15	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/05/22 03:15	
Toluene	ug/L	ND	1.0	0.48	04/05/22 03:15	
Xylene (Total)	ug/L	ND	1.0	0.34	04/05/22 03:15	
1,2-Dichloroethane-d4 (S)	%	84	70-130		04/05/22 03:15	
4-Bromofluorobenzene (S)	%	103	70-130		04/05/22 03:15	
Toluene-d8 (S)	%	98	70-130		04/05/22 03:15	

LABORATORY CONTROL SAMPLE: 3601964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	42.2	84	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1090	109	70-130	
Benzene	ug/L	50	37.1	74	70-130	v1
Diisopropyl ether	ug/L	50	37.2	74	70-130	
Ethanol	ug/L	2000	3090	154	70-130	L1
Ethyl-tert-butyl ether	ug/L	100	77.4	77	70-130	
Ethylbenzene	ug/L	50	42.4	85	70-130	
m&p-Xylene	ug/L	100	82.7	83	70-130	
Methyl-tert-butyl ether	ug/L	50	40.3	81	70-130	
Naphthalene	ug/L	50	49.5	99	70-130	
o-Xylene	ug/L	50	41.8	84	70-130	
tert-Amyl Alcohol	ug/L	1000	1100	110	70-130	
tert-Amylmethyl ether	ug/L	100	91.5	91	70-130	v1

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

LABORATORY CONTROL SAMPLE: 3601964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Alcohol	ug/L	500	436	87	70-130	
tert-Butyl Formate	ug/L	400	339	85	70-130	
Toluene	ug/L	50	36.7	73	70-130	
Xylene (Total)	ug/L	150	124	83	70-130	
1,2-Dichloroethane-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			86	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3601965 3601966

Parameter	Units	3601965		3601966		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92596822021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
1,2-Dichloroethane	ug/L	ND	20	20	19.4	19.4	97	97	70-137	0	30
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	459	445	115	111	39-157	3	30
Benzene	ug/L	ND	20	20	20.0	20.1	100	100	70-151	0	30
Diisopropyl ether	ug/L	ND	20	20	19.6	19.8	98	99	63-144	1	30
Ethanol	ug/L	ND	800	800	882	891	110	111	39-176	1	30
Ethyl-tert-butyl ether	ug/L	ND	40	40	39.1	39.1	98	98	66-137	0	30
Ethylbenzene	ug/L	ND	20	20	21.8	21.4	109	107	66-153	2	30
m&p-Xylene	ug/L	ND	40	40	44.3	44.1	111	110	69-152	0	30
Methyl-tert-butyl ether	ug/L	ND	20	20	19.8	19.7	99	98	54-156	0	30
Naphthalene	ug/L	ND	20	20	23.4	22.6	117	113	61-148	3	30
o-Xylene	ug/L	ND	20	20	21.6	21.5	108	108	70-148	0	30
tert-Amyl Alcohol	ug/L	ND	400	400	430	436	108	109	54-153	1	30
tert-Amylmethyl ether	ug/L	ND	40	40	41.5	41.3	104	103	69-139	0	30
tert-Butyl Alcohol	ug/L	ND	200	200	238	252	119	126	43-188	5	30
tert-Butyl Formate	ug/L	ND	160	160	117	98.0	73	61	10-170	17	30
Toluene	ug/L	ND	20	20	20.5	20.7	102	103	59-148	1	30
Xylene (Total)	ug/L	ND	60	60	65.9	65.6	110	109	63-158	0	30
1,2-Dichloroethane-d4 (S)	%						96	97	70-130		
4-Bromofluorobenzene (S)	%						100	99	70-130		
Toluene-d8 (S)	%						98	98	70-130		

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

QC Batch: 689303

Analysis Method: EPA 8260D

QC Batch Method: EPA 8260D

Analysis Description: 8260 MSV Low Level SC

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92596822003

METHOD BLANK: 3602224

Matrix: Water

Associated Lab Samples: 92596822003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/05/22 16:36	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/05/22 16:36	
Benzene	ug/L	ND	1.0	0.34	04/05/22 16:36	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/05/22 16:36	
Ethanol	ug/L	ND	200	72.2	04/05/22 16:36	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/05/22 16:36	
Ethylbenzene	ug/L	ND	1.0	0.30	04/05/22 16:36	
m&p-Xylene	ug/L	ND	2.0	0.71	04/05/22 16:36	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/05/22 16:36	
Naphthalene	ug/L	ND	1.0	0.64	04/05/22 16:36	
o-Xylene	ug/L	ND	1.0	0.34	04/05/22 16:36	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/05/22 16:36	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/05/22 16:36	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/05/22 16:36	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/05/22 16:36	
Toluene	ug/L	ND	1.0	0.48	04/05/22 16:36	
Xylene (Total)	ug/L	ND	1.0	0.34	04/05/22 16:36	
1,2-Dichloroethane-d4 (S)	%	103	70-130		04/05/22 16:36	
4-Bromofluorobenzene (S)	%	95	70-130		04/05/22 16:36	
Toluene-d8 (S)	%	99	70-130		04/05/22 16:36	

LABORATORY CONTROL SAMPLE: 3602225

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	51.1	102	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1020	102	70-130	
Benzene	ug/L	50	45.6	91	70-130	
Diisopropyl ether	ug/L	50	50.2	100	70-130	
Ethanol	ug/L	2000	2110	106	70-130	
Ethyl-tert-butyl ether	ug/L	100	98.9	99	70-130	
Ethylbenzene	ug/L	50	48.4	97	70-130	
m&p-Xylene	ug/L	100	97.0	97	70-130	
Methyl-tert-butyl ether	ug/L	50	51.4	103	70-130	
Naphthalene	ug/L	50	51.9	104	70-130	
o-Xylene	ug/L	50	48.5	97	70-130	
tert-Amyl Alcohol	ug/L	1000	1030	103	70-130	
tert-Amylmethyl ether	ug/L	100	98.1	98	70-130	
tert-Butyl Alcohol	ug/L	500	521	104	70-130	
tert-Butyl Formate	ug/L	400	404	101	70-130	

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

LABORATORY CONTROL SAMPLE: 3602225

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	46.6	93	70-130	
Xylene (Total)	ug/L	150	146	97	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3602226 3602227

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92596870001 Result	Spike Conc.	Spike Conc.	MS Result						
1,2-Dichloroethane	ug/L	ND	5000	5000	6160	5900	123	118	70-137	4	30
3,3-Dimethyl-1-Butanol	ug/L	ND	100000	100000	105000	108000	105	108	39-157	3	30
Benzene	ug/L	12500	5000	5000	17600	17000	101	89	70-151	3	30
Diisopropyl ether	ug/L	ND	5000	5000	6250	5930	125	119	63-144	5	30
Ethanol	ug/L	ND	200000	200000	243000	247000	122	123	39-176	1	30
Ethyl-tert-butyl ether	ug/L	ND	10000	10000	11600	11200	116	112	66-137	4	30
Ethylbenzene	ug/L	4380	5000	5000	10000	9620	113	105	66-153	4	30
m&p-Xylene	ug/L	14000	10000	10000	25000	24200	110	102	69-152	3	30
Methyl-tert-butyl ether	ug/L	2050	5000	5000	7910	7680	117	113	54-156	3	30
Naphthalene	ug/L	1320	5000	5000	6800	6770	110	109	61-148	0	30
o-Xylene	ug/L	6220	5000	5000	11800	11500	111	106	70-148	2	30
tert-Amyl Alcohol	ug/L	ND	100000	100000	119000	121000	119	121	54-153	1	30
tert-Amylmethyl ether	ug/L	ND	10000	10000	11300	10800	113	108	69-139	5	30
tert-Butyl Alcohol	ug/L	ND	50000	50000	56000	56100	112	112	43-188	0	30
tert-Butyl Formate	ug/L	ND	40000	40000	45000	43800	113	109	10-170	3	30
Toluene	ug/L	41800	5000	5000	46400	45100	92	66	59-148	3	30
Xylene (Total)	ug/L	20200	15000	15000	36800	35700	110	103	63-158	3	30
1,2-Dichloroethane-d4 (S)	%						109	107	70-130		
4-Bromofluorobenzene (S)	%						101	98	70-130		
Toluene-d8 (S)	%						100	98	70-130		

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

QC Batch: 689504 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92596822015, 92596822018

METHOD BLANK: 3602964 Matrix: Water

Associated Lab Samples: 92596822015, 92596822018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/05/22 22:07	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/05/22 22:07	
Benzene	ug/L	ND	1.0	0.34	04/05/22 22:07	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/05/22 22:07	
Ethanol	ug/L	ND	200	72.2	04/05/22 22:07	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/05/22 22:07	
Ethylbenzene	ug/L	ND	1.0	0.30	04/05/22 22:07	
m&p-Xylene	ug/L	ND	2.0	0.71	04/05/22 22:07	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/05/22 22:07	
Naphthalene	ug/L	ND	1.0	0.64	04/05/22 22:07	
o-Xylene	ug/L	ND	1.0	0.34	04/05/22 22:07	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/05/22 22:07	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/05/22 22:07	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/05/22 22:07	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/05/22 22:07	
Toluene	ug/L	ND	1.0	0.48	04/05/22 22:07	
Xylene (Total)	ug/L	ND	1.0	0.34	04/05/22 22:07	
1,2-Dichloroethane-d4 (S)	%	93	70-130		04/05/22 22:07	
4-Bromofluorobenzene (S)	%	97	70-130		04/05/22 22:07	
Toluene-d8 (S)	%	101	70-130		04/05/22 22:07	

LABORATORY CONTROL SAMPLE: 3602965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	48.8	98	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1180	118	70-130	
Benzene	ug/L	50	48.6	97	70-130	
Diisopropyl ether	ug/L	50	51.7	103	70-130	
Ethanol	ug/L	2000	2100	105	70-130	
Ethyl-tert-butyl ether	ug/L	100	103	103	70-130	
Ethylbenzene	ug/L	50	52.2	104	70-130	
m&p-Xylene	ug/L	100	108	108	70-130	
Methyl-tert-butyl ether	ug/L	50	53.0	106	70-130	
Naphthalene	ug/L	50	58.9	118	70-130	
o-Xylene	ug/L	50	53.7	107	70-130	
tert-Amyl Alcohol	ug/L	1000	1160	116	70-130	
tert-Amylmethyl ether	ug/L	100	108	108	70-130	
tert-Butyl Alcohol	ug/L	500	563	113	70-130	
tert-Butyl Formate	ug/L	400	432	108	70-130	

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

LABORATORY CONTROL SAMPLE: 3602965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	49.4	99	70-130	
Xylene (Total)	ug/L	150	161	108	70-130	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3602966 3602967

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92596822015 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,2-Dichloroethane	ug/L	ND	1000	1000	991	1030	99	103	70-137	4	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	20000	20000	24100	24100	121	120	39-157	0	30	
Benzene	ug/L	3310	1000	1000	3810	4260	50	94	70-151	11	30	M1
Diisopropyl ether	ug/L	ND	1000	1000	1020	1040	102	104	63-144	2	30	
Ethanol	ug/L	ND	40000	40000	44100	44600	110	112	39-176	1	30	
Ethyl-tert-butyl ether	ug/L	ND	2000	2000	2080	2190	104	110	66-137	5	30	
Ethylbenzene	ug/L	889	1000	1000	1880	2000	99	111	66-153	6	30	
m&p-Xylene	ug/L	2530	2000	2000	4470	4780	97	113	69-152	7	30	
Methyl-tert-butyl ether	ug/L	ND	1000	1000	1080	1070	108	107	54-156	1	30	
Naphthalene	ug/L	77.9	1000	1000	1280	1330	120	125	61-148	3	30	
o-Xylene	ug/L	1450	1000	1000	2420	2580	97	114	70-148	7	30	
tert-Amyl Alcohol	ug/L	4930J	20000	20000	28900	30000	120	126	54-153	4	30	
tert-Amylmethyl ether	ug/L	ND	2000	2000	2170	2250	109	113	69-139	4	30	
tert-Butyl Alcohol	ug/L	ND	10000	10000	11800	12200	118	122	43-188	4	30	
tert-Butyl Formate	ug/L	ND	8000	8000	8050	8260	101	103	10-170	3	30	
Toluene	ug/L	9740	1000	1000	9010	10200	-74	46	59-148	12	30	E,M1
Xylene (Total)	ug/L	3980	3000	3000	6890	7360	97	113	63-158	7	30	
1,2-Dichloroethane-d4 (S)	%						90	98	70-130			
4-Bromofluorobenzene (S)	%						98	99	70-130			
Toluene-d8 (S)	%						96	98	70-130			

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

QC Batch: 689565 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92596822045, 92596822050, 92596822051, 92596822060, 92596822061

METHOD BLANK: 3603453 Matrix: Water
Associated Lab Samples: 92596822045, 92596822050, 92596822051, 92596822060, 92596822061

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/06/22 13:06	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/06/22 13:06	
Benzene	ug/L	ND	1.0	0.34	04/06/22 13:06	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/06/22 13:06	
Ethanol	ug/L	ND	200	72.2	04/06/22 13:06	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/06/22 13:06	
Ethylbenzene	ug/L	ND	1.0	0.30	04/06/22 13:06	
m&p-Xylene	ug/L	ND	2.0	0.71	04/06/22 13:06	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/06/22 13:06	
Naphthalene	ug/L	ND	1.0	0.64	04/06/22 13:06	
o-Xylene	ug/L	ND	1.0	0.34	04/06/22 13:06	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/06/22 13:06	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/06/22 13:06	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/06/22 13:06	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/06/22 13:06	
Toluene	ug/L	ND	1.0	0.48	04/06/22 13:06	
Xylene (Total)	ug/L	ND	1.0	0.34	04/06/22 13:06	
1,2-Dichloroethane-d4 (S)	%	98	70-130		04/06/22 13:06	
4-Bromofluorobenzene (S)	%	101	70-130		04/06/22 13:06	
Toluene-d8 (S)	%	111	70-130		04/06/22 13:06	

LABORATORY CONTROL SAMPLE: 3603454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.8	102	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	865	86	70-130	
Benzene	ug/L	50	48.8	98	70-130	
Diisopropyl ether	ug/L	50	52.5	105	70-130	
Ethanol	ug/L	2000	1830	92	70-130	
Ethyl-tert-butyl ether	ug/L	100	101	101	70-130	
Ethylbenzene	ug/L	50	51.1	102	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	54.5	109	70-130	
Naphthalene	ug/L	50	50.5	101	70-130	
o-Xylene	ug/L	50	51.3	103	70-130	
tert-Amyl Alcohol	ug/L	1000	890	89	70-130	
tert-Amylmethyl ether	ug/L	100	102	102	70-130	
tert-Butyl Alcohol	ug/L	500	433	87	70-130	
tert-Butyl Formate	ug/L	400	419	105	70-130	

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

LABORATORY CONTROL SAMPLE: 3603454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	47.8	96	70-130	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3603455 3603456

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92596822051 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,2-Dichloroethane	ug/L	ND	1000	1000	1060	1100	106	110	70-137	4	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	20000	20000	16500	18900	82	95	39-157	14	30	
Benzene	ug/L	2960	1000	1000	4000	4580	104	163	70-151	14	30	M1
Diisopropyl ether	ug/L	ND	1000	1000	1030	1150	103	115	63-144	11	30	
Ethanol	ug/L	ND	40000	40000	41400	46200	104	116	39-176	11	30	
Ethyl-tert-butyl ether	ug/L	ND	2000	2000	2010	2190	100	110	66-137	9	30	
Ethylbenzene	ug/L	597	1000	1000	1660	1820	106	122	66-153	9	30	
m&p-Xylene	ug/L	2890	2000	2000	4980	5740	104	142	69-152	14	30	
Methyl-tert-butyl ether	ug/L	83.5	1000	1000	1150	1300	106	121	54-156	12	30	
Naphthalene	ug/L	109	1000	1000	1120	1210	101	110	61-148	8	30	
o-Xylene	ug/L	2000	1000	1000	3040	3570	103	156	70-148	16	30	M1
tert-Amyl Alcohol	ug/L	2940J	20000	20000	21500	25000	93	110	54-153	15	30	
tert-Amylmethyl ether	ug/L	ND	2000	2000	2040	2130	102	106	69-139	4	30	
tert-Butyl Alcohol	ug/L	ND	10000	10000	9060	10500	91	105	43-188	14	30	
tert-Butyl Formate	ug/L	ND	8000	8000	7650	8180	96	102	10-170	7	30	
Toluene	ug/L	6480	1000	1000	7160	8300	68	182	59-148	15	30	M1
Xylene (Total)	ug/L	4900	3000	3000	8020	9310	104	147	63-158	15	30	MS
1,2-Dichloroethane-d4 (S)	%						101	99	70-130			
4-Bromofluorobenzene (S)	%						100	101	70-130			
Toluene-d8 (S)	%						97	96	70-130			

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

QC Batch: 689808 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92596822002, 92596822006, 92596822007, 92596822012

METHOD BLANK: 3604530 Matrix: Water
Associated Lab Samples: 92596822002, 92596822006, 92596822007, 92596822012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/06/22 15:51	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/06/22 15:51	
Benzene	ug/L	ND	1.0	0.34	04/06/22 15:51	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/06/22 15:51	
Ethanol	ug/L	ND	200	72.2	04/06/22 15:51	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/06/22 15:51	
Ethylbenzene	ug/L	ND	1.0	0.30	04/06/22 15:51	
m&p-Xylene	ug/L	ND	2.0	0.71	04/06/22 15:51	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/06/22 15:51	
Naphthalene	ug/L	ND	1.0	0.64	04/06/22 15:51	
o-Xylene	ug/L	ND	1.0	0.34	04/06/22 15:51	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/06/22 15:51	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/06/22 15:51	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/06/22 15:51	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/06/22 15:51	
Toluene	ug/L	ND	1.0	0.48	04/06/22 15:51	
Xylene (Total)	ug/L	ND	1.0	0.34	04/06/22 15:51	
1,2-Dichloroethane-d4 (S)	%	98	70-130		04/06/22 15:51	
4-Bromofluorobenzene (S)	%	102	70-130		04/06/22 15:51	
Toluene-d8 (S)	%	101	70-130		04/06/22 15:51	

LABORATORY CONTROL SAMPLE: 3604531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.1	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1150	115	70-130	
Benzene	ug/L	50	48.5	97	70-130	
Diisopropyl ether	ug/L	50	50.8	102	70-130	
Ethanol	ug/L	2000	2010	101	70-130	
Ethyl-tert-butyl ether	ug/L	100	102	102	70-130	
Ethylbenzene	ug/L	50	53.1	106	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	51.7	103	70-130	
Naphthalene	ug/L	50	56.4	113	70-130	
o-Xylene	ug/L	50	53.0	106	70-130	
tert-Amyl Alcohol	ug/L	1000	1040	104	70-130	
tert-Amylmethyl ether	ug/L	100	105	105	70-130	
tert-Butyl Alcohol	ug/L	500	533	107	70-130	
tert-Butyl Formate	ug/L	400	429	107	70-130	

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

LABORATORY CONTROL SAMPLE: 3604531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	49.5	99	70-130	
Xylene (Total)	ug/L	150	158	105	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3604532 3604533

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92596822002 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,2-Dichloroethane	ug/L	ND	2500	2500	1700	2350	68	94	70-137	32	30	M1,R1
3,3-Dimethyl-1-Butanol	ug/L	ND	50000	50000	31600	48200	63	96	39-157	42	30	R1
Benzene	ug/L	8610	2500	2500	10600	11000	78	95	70-151	4	30	
Diisopropyl ether	ug/L	ND	2500	2500	1740	2390	70	96	63-144	32	30	R1
Ethanol	ug/L	ND	100000	100000	72200	95900	72	96	39-176	28	30	
Ethyl-tert-butyl ether	ug/L	ND	5000	5000	3700	4930	69	94	66-137	29	30	
Ethylbenzene	ug/L	1230	2500	2500	3080	3850	74	105	66-153	22	30	
m&p-Xylene	ug/L	3880	5000	5000	7560	9040	74	103	69-152	18	30	
Methyl-tert-butyl ether	ug/L	483	2500	2500	2170	2880	68	96	54-156	28	30	
Naphthalene	ug/L	140	2500	2500	2000	2600	74	99	61-148	26	30	
o-Xylene	ug/L	2160	2500	2500	4050	4850	76	108	70-148	18	30	
tert-Amyl Alcohol	ug/L	25000	50000	50000	65000	75000	80	100	54-153	14	30	
tert-Amylmethyl ether	ug/L	ND	5000	5000	3820	5170	76	103	69-139	30	30	
tert-Butyl Alcohol	ug/L	ND	25000	25000	20300	25100	71	90	43-188	21	30	
tert-Butyl Formate	ug/L	ND	20000	20000	13400	18700	67	93	10-170	33	30	R1
Toluene	ug/L	18100	2500	2500	20200	20500	84	94	59-148	1	30	
Xylene (Total)	ug/L	6040	7500	7500	11600	13900	74	105	63-158	18	30	
1,2-Dichloroethane-d4 (S)	%						92	92	70-130			
4-Bromofluorobenzene (S)	%						97	102	70-130			
Toluene-d8 (S)	%						100	101	70-130			

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

QC Batch: 689871 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92596822001

METHOD BLANK: 3604964 Matrix: Water
Associated Lab Samples: 92596822001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/06/22 18:06	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/06/22 18:06	
Benzene	ug/L	ND	1.0	0.34	04/06/22 18:06	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/06/22 18:06	
Ethanol	ug/L	ND	200	72.2	04/06/22 18:06	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/06/22 18:06	
Ethylbenzene	ug/L	ND	1.0	0.30	04/06/22 18:06	
m&p-Xylene	ug/L	ND	2.0	0.71	04/06/22 18:06	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/06/22 18:06	
Naphthalene	ug/L	ND	1.0	0.64	04/06/22 18:06	
o-Xylene	ug/L	ND	1.0	0.34	04/06/22 18:06	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/06/22 18:06	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/06/22 18:06	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/06/22 18:06	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/06/22 18:06	
Toluene	ug/L	ND	1.0	0.48	04/06/22 18:06	
Xylene (Total)	ug/L	ND	1.0	0.34	04/06/22 18:06	
1,2-Dichloroethane-d4 (S)	%	93	70-130		04/06/22 18:06	
4-Bromofluorobenzene (S)	%	99	70-130		04/06/22 18:06	
Toluene-d8 (S)	%	102	70-130		04/06/22 18:06	

LABORATORY CONTROL SAMPLE: 3604965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	48.5	97	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1220	122	70-130	
Benzene	ug/L	50	49.6	99	70-130	
Diisopropyl ether	ug/L	50	51.4	103	70-130	
Ethanol	ug/L	2000	2110	106	70-130	
Ethyl-tert-butyl ether	ug/L	100	102	102	70-130	
Ethylbenzene	ug/L	50	54.4	109	70-130	
m&p-Xylene	ug/L	100	112	112	70-130	
Methyl-tert-butyl ether	ug/L	50	53.1	106	70-130	
Naphthalene	ug/L	50	59.8	120	70-130	
o-Xylene	ug/L	50	55.4	111	70-130	
tert-Amyl Alcohol	ug/L	1000	1190	119	70-130	
tert-Amylmethyl ether	ug/L	100	110	110	70-130	
tert-Butyl Alcohol	ug/L	500	580	116	70-130	
tert-Butyl Formate	ug/L	400	435	109	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

LABORATORY CONTROL SAMPLE: 3604965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	50.2	100	70-130	
Xylene (Total)	ug/L	150	167	111	70-130	
1,2-Dichloroethane-d4 (S)	%			89	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3604966 3604967

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92596989012 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,2-Dichloroethane	ug/L	ND	500	500	479	486	96	97	70-137	2	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	10000	10000	11500	11600	115	116	39-157	1	30	
Benzene	ug/L	701	500	500	1230	1240	105	109	70-151	1	30	
Diisopropyl ether	ug/L	ND	500	500	492	502	98	100	63-144	2	30	
Ethanol	ug/L	ND	20000	20000	21400	21800	107	109	39-176	2	30	
Ethyl-tert-butyl ether	ug/L	ND	1000	1000	977	990	98	99	66-137	1	30	
Ethylbenzene	ug/L	415	500	500	960	976	109	112	66-153	2	30	
m&p-Xylene	ug/L	2040	1000	1000	3100	3200	106	116	69-152	3	30	
Methyl-tert-butyl ether	ug/L	96.6	500	500	618	624	104	105	54-156	1	30	
Naphthalene	ug/L	269	500	500	977	872	141	121	61-148	11	30	
o-Xylene	ug/L	936	500	500	1480	1520	108	116	70-148	3	30	
tert-Amyl Alcohol	ug/L	ND	10000	10000	12600	12200	126	122	54-153	3	30	
tert-Amylmethyl ether	ug/L	ND	1000	1000	1060	1060	106	106	69-139	1	30	
tert-Butyl Alcohol	ug/L	ND	5000	5000	5930	6030	119	121	43-188	2	30	
tert-Butyl Formate	ug/L	ND	4000	4000	3210	3240	80	81	10-170	1	30	
Toluene	ug/L	4510	500	500	4950	4920	88	83	59-148	1	30	
Xylene (Total)	ug/L	2980	1500	1500	4580	4720	107	116	63-158	3	30	
1,2-Dichloroethane-d4 (S)	%						87	87	70-130			
4-Bromofluorobenzene (S)	%						97	97	70-130			
Toluene-d8 (S)	%						96	97	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

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

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
P5	The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.
R1	RPD value was outside control limits.
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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Circle K 886 (SW) Semi-Annual

Pace Project No.: 92596822

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92596822001	01589-MW-1	EPA 8260D	689871		
92596822002	01589-MW-2	EPA 8260D	689808		
92596822003	01589-MW-3	EPA 8260D	689303		
92596822004	01589-MW-4	EPA 8260D	689266		
92596822005	01589-MW-5	EPA 8260D	689269		
92596822006	01589-MW-6	EPA 8260D	689808		
92596822007	01589-MW-7	EPA 8260D	689808		
92596822008	01589-MW-8	EPA 8260D	689266		
92596822009	01589-MW-9	EPA 8260D	689266		
92596822010	01589-MW-10	EPA 8260D	689266		
92596822011	01589-MW-11	EPA 8260D	689266		
92596822012	01589-MW-12	EPA 8260D	689808		
92596822013	01589-MW-13	EPA 8260D	689269		
92596822014	01589-MW-14	EPA 8260D	689269		
92596822015	01589-MW-15	EPA 8260D	689504		
92596822016	01589-MW-16	EPA 8260D	689266		
92596822017	01589-MW-17	EPA 8260D	689269		
92596822018	01589-MW-18	EPA 8260D	689504		
92596822019	01589-MW-19	EPA 8260D	689269		
92596822020	01589-MW-20	EPA 8260D	689269		
92596822021	01589-MW-21	EPA 8260D	689269		
92596822022	01589-MW-22	EPA 8260D	689266		
92596822023	01589-MW-23	EPA 8260D	689266		
92596822024	01589-MW-24	EPA 8260D	689266		
92596822025	01589-MW-25	EPA 8260D	689266		
92596822026	01589-MW-26	EPA 8260D	689266		
92596822027	01589-MW-27	EPA 8260D	689266		
92596822028	01589-MW-28	EPA 8260D	689266		
92596822029	01589-MW-29	EPA 8260D	689266		
92596822030	01589-MW-30	EPA 8260D	689266		
92596822031	01589-MW-31	EPA 8260D	689266		
92596822032	01589-MW-32	EPA 8260D	689266		
92596822033	01589-MW-33	EPA 8260D	689269		
92596822034	01589-MW-34	EPA 8260D	689266		
92596822035	01589-MW-35	EPA 8260D	689266		
92596822036	01589-MW-36	EPA 8260D	689266		
92596822037	01589-MW-37	EPA 8260D	689262		
92596822038	01589-MW-38	EPA 8260D	689264		
92596822039	01589-DMW-1	EPA 8260D	689262		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Circle K 886 (SW) Semi-Annual
Pace Project No.: 92596822

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92596822040	01589-DMW-2	EPA 8260D	689262		
92596822041	01589-DMW-3	EPA 8260D	689262		
92596822042	01589-DMW-4	EPA 8260D	689262		
92596822043	01589-DMW-5	EPA 8260D	689262		
92596822044	01589-RW-1	EPA 8260D	689264		
92596822045	01589-RW-2	EPA 8260D	689565		
92596822046	01589-RW-3	EPA 8260D	689264		
92596822047	01589-RW-4	EPA 8260D	689264		
92596822048	01589-RW-7	EPA 8260D	689264		
92596822049	01589-RW-8	EPA 8260D	689264		
92596822050	01589-RW-9	EPA 8260D	689565		
92596822051	01589-RW-12	EPA 8260D	689565		
92596822052	01589-SW-1	EPA 8260D	689262		
92596822053	01589-SW-2	EPA 8260D	689262		
92596822054	01589-SW-3	EPA 8260D	689264		
92596822055	01589-SW-4	EPA 8260D	689264		
92596822056	01589-SW-5	EPA 8260D	689262		
92596822057	01589-SW-7	EPA 8260D	689262		
92596822058	01589-SW-8	EPA 8260D	689262		
92596822059	01589-SW-9	EPA 8260D	689262		
92596822060	01589-DUP-1	EPA 8260D	689565		
92596822061	01589-DUP-2	EPA 8260D	689565		
92596822062	01589-FB-2	EPA 8260D	689262		
92596822063	01589-TB-1	EPA 8260D	689262		
92596822064	01589-TB-2	EPA 8260D	689262		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition
Upon Receipt

Client Name:
ATC Group

Project #: **WO# : 92596822**

92596822

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Date/Initials Person Examining Contents: JB 01/14/22

Custody Seal Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer: IR Gun ID: 02T004 Type of Ice: Wet Blue None
 Biological Tissue Frozen? Yes No N/A

Cooler Temp: 1.3, 3.1 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): 1.3, 3.1

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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <u>wt</u>	
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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: _____



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

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*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

Project # **WO# : 92596822**
 PM: BV Due Date: 04/08/22
 CLIENT: 92-ATC_Colum

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)	AG3A(DG3A)-250 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)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
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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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



2/6

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

Project #

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

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

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-)	WGFW-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)	AG3A(DG3A)-250 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)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
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10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	2	/	/	/	/	/	/	/	/	/	/	/	/

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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



3/6

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

Project #

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

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

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)	AG3A(DG3A)-250 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)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/	/
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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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

416

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

Project #

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

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

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)	AG3A(DG3A)-250 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)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
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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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



3/4

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

Project #

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

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

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)	AG3A(DG3A)-250 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)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/	/
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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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



6/6

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

Project #

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

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

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)	AG3A(DG3A)-250 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)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-S035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	/	/	/	/	/	/	/	/	/	/	/	/
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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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



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/hubs/pas-standard-terms.pdf>.

Section A
Required Client Information:
 Company: ATC Group Services, LLC - Columbia
 Address: 6904 North Main Street
 Suite 107, Columbia, SC 29203
 Email: brad.hubbard@atcgs.com
 Phone: NONE
 Requested Due Date:

Section B
Required Project Information:
 Report To: Brad Hubbard
 Copy To:
 Purchase Order #: Circle K 886 (SW) Semi-Annual
 Project Name: Circle K 886 (SW) Semi-Annual
 Project #:

Section C
Invoice Information:
 Attention:
 Company Name:
 Address:
 Pace Quote: Project no. 256CK88612
 Pace Project Manager: bonnie.vang@pacelabs.com,
 Pace Profile #: 9570-6

Regulatory Agency
State / Location
 SC

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	Preservatives						Y/N	Analyses Test	Residual Chlorine (Y/N)
			START DATE	END DATE				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3			
1	MW 13		3/29 1325				3	X								92596822
2	MW 14		3/29 1000													013
3	MW 15		3/29 1249													014
4	MW 16		3/29 1459													015
5	MW 17		3/29 1449													016
6	MW 18		3/29 1421													017
7	MW 19		3/29 1407													018
8	MW 20		3/29 1359													019
9	MW 21		3/28 1419													020
10	MW 22		3/28 1438													021
11	MW 23		3/29 0849													022
12	MW 24		3/29 0903													023
																024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C
No PI water parcelled w cooler	Josh Mallas/Pace	3/29	1407	Josh Mallas/Pace	4/1/22	1407	
	Josh Mallas/Pace	4/1/22	2010	J.B Pace HVV	4/1/22	2010	3.1

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Joe Gary
 SIGNATURE OF SAMPLER: *Joe Gary*
 DATE Signed: 3/1/22

Received on _____
 Custody (Y/N) _____
 Sealed (Y/N) _____
 Cooler (Y/N) _____
 Samples Intact (Y/N) _____



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Section A

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 Requested Due Date: NONE

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 Purchase Order #: Circle K 886 (SW) Semi-Annual
 Project Name:
 Project #:

Invoice Information:
 Attention:
 Company Name:
 Address:
 Pace Quote: Project no. 256CK88612
 Pace Project Manager: bonnie.vang@pacelabs.com
 Pace Profile #: 9570-6

Regulatory Agency
State / Location
 SC

Section B

MATRIX
 Drinking Water
 Water
 Waste Water
 Product
 Soil/Solid
 Oil
 Wipe
 Air
 Other
 Tissue

CODE
 DW
 WT
 WW
 P
 SL
 OL
 WP
 AR
 OT
 TS

SAMPLE ID
 One Character per box.
 (A-Z, 0-9 / . -)

Sample ids must be unique

Section C

Requested Analysis Filtered (Y/N)

ITEM #	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	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test	Y/N	VOC by 8260	TriP BLANK	Residual Chlorine (Y/N)	
1	MW 25			3/29	1136				3														025
2	MW 26			3/28	1148																		026
3	MW 27			3/29	0917																		027
4	MW 28			3/29	1125																		028
5	MW 29			3/29	0959																		029
6	MW 30			3/28	1429																		030
7	MW 31			3/29	0929																		031
8	MW 32			3/29	1041																		032
9	MW 33			3/29	1053																		033
10	MW 34			3/29	1259																		034
11	MW 35			3/29	1311																		035
12	MW 36			3/30	1405																		036

RELEASING BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on	ice (Y/N)	Custody	Sealed	Cooler	Samples Intact (Y/N)
Josh Mallas/Pace	9/1/20	1407	Josh Mallas/Pace	4/1/22	1407							
Josh Mallas/Pace	4/1/22	2010	JB Pace HVL	4/14/22	2010	3.1	4	N	4			

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Joe Gray
 SIGNATURE of SAMPLER: *Joe Gray*
 DATE Signed: 4/1/22



CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 6

Section A		Section B	
Required Client Information:		Required Project Information:	
Company: ATC Group Services, LLC - Columbia	Report To: Brad Hubbard	Invoice Information:	Attention:
Address: 6904 North Main Street	Copy To:	Company Name:	Company Address:
Suite 107, Columbia, SC 29203		Purchase Order #:	Pace Quote: Project no. 258CK8612
Email: brad.hubbard@atcgs.com		Project Name: Circle K 886 (SW) Semi-Annual	Pace Project Manager: bonnie.vang@pacelabs.com
Phone: NONE	Fax:	Project #:	Pace Profile #: 9570-6
Requested Due Date:			
Regulatory Agency		State / Location	
		SC	

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G-GRAB C-COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES			ANALYSES TEST	Y/N	Residual Chlorine (Y/N)
			START DATE	END DATE					UNPRESERVED	H2SO4	HCl			
1	Drinking Water	DW	3/29 0833					3						037
2	Waste Water	WW	3/29 0948											038
3	Water	W	3/29 1353											039
4	Product	PL	3/29 1135											040
5	Soil/Solid	SS	3/29 1048											041
6	Oil	OL	3/30 1036											042
7	Wipe	WP	3/30 1116											043
8	Air	AR	3/30 1032											044
9	Other	OT	1043											045
10	Tissue	TS	1051											046
11			1110											047
12			1144											048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on	Ice	Sealed	Cooler	Samples	Intact
No DI provided	Joe Gray (Atcgs)	4/1/22	1407	Josh Mallas/Pace	4/1/22	1407							
	Josh Mallas/Pace	4/1/22	2010	J B Pace HLL	4/1/22	2010	1.3	Y	N	Y	N	Y	Y

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: Joe Gray	DATE Signed: 4/1/22
SIGNATURE of SAMPLER: <i>Joe Gray</i>	

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

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 Project Name: Circle K 886 (SW) Semi-Annual
 Project #:

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Invoice Information:
 Attention:
 Company Name:
 Address:
 Pace Quote: Project no. 258CK88612
 Pace Project Manager: bonnie.vang@pacelabs.com
 Pace Profile #: 9570-6
 Regulatory Agency
 State / Location
 SC

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G-GRAB C-COMP)	MATRIX CODE (see valid codes to left)	SAMPLER TEMP AT COLLECTION		# OF CONTAINERS	Preservatives				Analyses Test Y/N	VOC by 8260	Trip BLANK	Residual Chlorine (Y/N)
			START DATE	END DATE			H2SO4	HNO3		HCl	NaOH	Na2SO3	Methanol				
1	Drinking Water	DW	3/29 1055					3									92596822
2	Waste Water	WW	3/29 0800					3									061
3	Product	P						2									062
4	Soil/Solid	SL						2									003
5	Oil	OL															004
6	Wipe	WP															
7	Air	AR															
8	Other	OT															
9	Tissue	TS															
10																	
11																	
12																	

ADDITIONAL COMMENTS
 No Di provided
 Josh Mallas/Pace
 Josh Mallas/Pace

RELINQUISHED BY / AFFILIATION
 Josh Mallas/Pace
 Josh Mallas/Pace

DATE
 4/1/20
 4/1/20

TIME
 1407
 2010

ACCEPTED BY / AFFILIATION
 Josh Mallas/Pace
 Josh Mallas/Pace

DATE
 4/1/22
 4/1/22

TIME
 1407
 2010

SAMPLE CONDITIONS
 Received on
 Ice (Y/N)
 Custody Sealed (Y/N)
 Cooler (Y/N)
 Samples Intact (Y/N)

TEMP in C
 1.3

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: *Joe Greedy*
 SIGNATURE of SAMPLER: *Joe Greedy*

DATE Signed: *4/1/20*

April 06, 2022

Brad Hubbard
ATC Group Services
6904 North Main Street
Suite 107
Columbia, SC 29203

RE: Project: CIRCLE K 886 (WSW) SEMI-ANNUAL
Pace Project No.: 92596881

Dear Brad Hubbard:

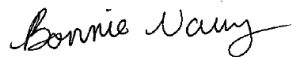
Enclosed are the analytical results for sample(s) received by the laboratory on April 01, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL

Pace Project No.: 92596881

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey 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

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SAMPLE SUMMARY

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL
Pace Project No.: 92596881

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92596881001	1589 WSW 12	Water	03/30/22 15:56	04/01/22 14:07
92596881002	1589 WSW 13	Water	03/30/22 16:08	04/01/22 14:07
92596881003	1589 WSW 16	Water	03/31/22 10:45	04/01/22 14:07
92596881004	1589 DUP	Water	03/30/22 15:59	04/01/22 14:07
92596881005	TRIP 3	Water	03/30/22 00:00	04/01/22 14:07

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SAMPLE ANALYTE COUNT

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL

Pace Project No.: 92596881

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92596881001	1589 WSW 12	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92596881002	1589 WSW 13	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92596881003	1589 WSW 16	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92596881004	1589 DUP	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92596881005	TRIP 3	EPA 8260D	SAS	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL
Pace Project No.: 92596881

Sample: 1589 WSW 12 **Lab ID: 92596881001** Collected: 03/30/22 15:56 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		04/05/22 17:45	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/05/22 17:45	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/05/22 17:45	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/05/22 17:45	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/05/22 17:45	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/05/22 17:45	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/05/22 17:45	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/05/22 17:45	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	91	%	70-130		1		04/05/22 17:45	2199-69-1	
4-Bromofluorobenzene (S)	86	%	70-130		1		04/05/22 17:45	460-00-4	
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 15:34	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 15:34	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 15:34	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 15:34	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 15:34	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 15:34	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 15:34	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 15:34	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/05/22 15:34	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/05/22 15:34	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		04/05/22 15:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL

Pace Project No.: 92596881

Sample: 1589 WSW 13 **Lab ID: 92596881002** Collected: 03/30/22 16:08 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		04/05/22 18:11	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/05/22 18:11	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/05/22 18:11	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/05/22 18:11	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/05/22 18:11	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/05/22 18:11	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/05/22 18:11	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/05/22 18:11	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	92	%	70-130		1		04/05/22 18:11	2199-69-1	
4-Bromofluorobenzene (S)	87	%	70-130		1		04/05/22 18:11	460-00-4	
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 15:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 15:16	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 15:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 15:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 15:16	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 15:16	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 15:16	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 15:16	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/05/22 15:16	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		04/05/22 15:16	17060-07-0	
Toluene-d8 (S)	109	%	70-130		1		04/05/22 15:16	2037-26-5	

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ANALYTICAL RESULTS

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL
Pace Project No.: 92596881

Sample: 1589 WSW 16 **Lab ID: 92596881003** Collected: 03/31/22 10:45 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		04/05/22 21:13	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/05/22 21:13	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/05/22 21:13	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/05/22 21:13	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/05/22 21:13	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/05/22 21:13	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/05/22 21:13	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/05/22 21:13	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	91	%	70-130		1		04/05/22 21:13	2199-69-1	
4-Bromofluorobenzene (S)	86	%	70-130		1		04/05/22 21:13	460-00-4	
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 14:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 14:40	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 14:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 14:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 14:40	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 14:40	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 14:40	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 14:40	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/05/22 14:40	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		04/05/22 14:40	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		04/05/22 14:40	2037-26-5	

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ANALYTICAL RESULTS

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL
Pace Project No.: 92596881

Sample: 1589 DUP **Lab ID: 92596881004** Collected: 03/30/22 15:59 Received: 04/01/22 14:07 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		04/05/22 18:37	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/05/22 18:37	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/05/22 18:37	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/05/22 18:37	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/05/22 18:37	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/05/22 18:37	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/05/22 18:37	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/05/22 18:37	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	84	%	70-130		1		04/05/22 18:37	2199-69-1	
4-Bromofluorobenzene (S)	87	%	70-130		1		04/05/22 18:37	460-00-4	
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 14:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 14:58	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 14:58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 14:58	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 14:58	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 14:58	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 14:58	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 14:58	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/05/22 14:58	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		04/05/22 14:58	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		04/05/22 14:58	2037-26-5	

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ANALYTICAL RESULTS

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL
Pace Project No.: 92596881

Sample: TRIP 3		Lab ID: 92596881005		Collected: 03/30/22 00:00	Received: 04/01/22 14:07	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							
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/05/22 13:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/05/22 13:27	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/05/22 13:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/05/22 13:27	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/05/22 13:27	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/05/22 13:27	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/05/22 13:27	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/05/22 13:27	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/05/22 13:27	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/05/22 13:27	17060-07-0	
Toluene-d8 (S)	109	%	70-130		1		04/05/22 13:27	2037-26-5	

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QUALITY CONTROL DATA

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL
Pace Project No.: 92596881

QC Batch: 689304 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92596881001, 92596881002, 92596881003, 92596881004

METHOD BLANK: 3602229 Matrix: Water
Associated Lab Samples: 92596881001, 92596881002, 92596881003, 92596881004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00016	04/05/22 16:01	
Benzene	mg/L	ND	0.00050	0.00021	04/05/22 16:01	
Ethylbenzene	mg/L	ND	0.00050	0.00022	04/05/22 16:01	
m&p-Xylene	mg/L	ND	0.0010	0.00039	04/05/22 16:01	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00014	04/05/22 16:01	
Naphthalene	mg/L	ND	0.00050	0.00035	04/05/22 16:01	
o-Xylene	mg/L	ND	0.00050	0.00022	04/05/22 16:01	
Toluene	mg/L	ND	0.00050	0.00020	04/05/22 16:01	
1,2-Dichlorobenzene-d4 (S)	%	91	70-130		04/05/22 16:01	
4-Bromofluorobenzene (S)	%	87	70-130		04/05/22 16:01	

LABORATORY CONTROL SAMPLE: 3602230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.021	104	70-130	
Benzene	mg/L	0.02	0.019	96	70-130	
Ethylbenzene	mg/L	0.02	0.020	102	70-130	
m&p-Xylene	mg/L	0.04	0.041	103	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.021	104	70-130	
Naphthalene	mg/L	0.02	0.019	95	70-130	
o-Xylene	mg/L	0.02	0.020	98	70-130	
Toluene	mg/L	0.02	0.019	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			95	70-130	

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

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QUALITY CONTROL DATA

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL
Pace Project No.: 92596881

QC Batch: 689302 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92596881001, 92596881002, 92596881003, 92596881004, 92596881005

METHOD BLANK: 3602219 Matrix: Water
Associated Lab Samples: 92596881001, 92596881002, 92596881003, 92596881004, 92596881005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/05/22 12:33	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/05/22 12:33	
Ethanol	ug/L	ND	200	72.2	04/05/22 12:33	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/05/22 12:33	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/05/22 12:33	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/05/22 12:33	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/05/22 12:33	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/05/22 12:33	
1,2-Dichloroethane-d4 (S)	%	99	70-130		04/05/22 12:33	
4-Bromofluorobenzene (S)	%	102	70-130		04/05/22 12:33	
Toluene-d8 (S)	%	109	70-130		04/05/22 12:33	

LABORATORY CONTROL SAMPLE: 3602220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	1000	880	88	70-130	
Diisopropyl ether	ug/L	50	53.6	107	70-130	
Ethanol	ug/L	2000	1860	93	70-130	
Ethyl-tert-butyl ether	ug/L	100	100	100	70-130	
tert-Amyl Alcohol	ug/L	1000	885	89	70-130	
tert-Amylmethyl ether	ug/L	100	99.5	99	70-130	
tert-Butyl Alcohol	ug/L	500	466	93	70-130	
tert-Butyl Formate	ug/L	400	366	91	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3602221 3602222

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92596937010 Result	Spike Conc.	Spike Conc.	MS Result								
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	314	312	78	78	39-157	1	30		
Diisopropyl ether	ug/L	ND	20	20	20.8	20.4	104	102	63-144	2	30		
Ethanol	ug/L	ND	800	800	891	836	111	105	39-176	6	30		
Ethyl-tert-butyl ether	ug/L	ND	40	40	39.8	39.3	99	98	66-137	1	30		
tert-Amyl Alcohol	ug/L	ND	400	400	328	326	82	81	54-153	1	30		
tert-Amylmethyl ether	ug/L	ND	40	40	38.9	39.4	97	99	69-139	1	30		

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL

Pace Project No.: 92596881

Parameter	Units	3602221		3602222		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92596937010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
tert-Butyl Alcohol	ug/L	ND	200	200	172	180	86	90	43-188	5	30		
tert-Butyl Formate	ug/L	ND	160	160	139	115	87	72	10-170	19	30		
1,2-Dichloroethane-d4 (S)	%						107	103	70-130				
4-Bromofluorobenzene (S)	%						101	103	70-130				
Toluene-d8 (S)	%						101	97	70-130				

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL

Pace Project No.: 92596881

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CIRCLE K 886 (WSW) SEMI-ANNUAL

Pace Project No.: 92596881

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92596881001	1589 WSW 12	EPA 524.2	689304		
92596881002	1589 WSW 13	EPA 524.2	689304		
92596881003	1589 WSW 16	EPA 524.2	689304		
92596881004	1589 DUP	EPA 524.2	689304		
92596881001	1589 WSW 12	EPA 8260D	689302		
92596881002	1589 WSW 13	EPA 8260D	689302		
92596881003	1589 WSW 16	EPA 8260D	689302		
92596881004	1589 DUP	EPA 8260D	689302		
92596881005	TRIP 3	EPA 8260D	689302		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:
 Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: ATC Group Services Project: WO# : 92596881

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: JB 4/17/22

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 927066 Type of Ice: Wet Blue None

Cooler Temp: 5.1 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): 5.1

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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <u>wt</u>	
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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

Project #

WO# : 92596881

PM: BV

Due Date: 04/08/22

CLIENT: 92-ATC_Colum

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)	AG3A(DG3A)-250 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)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																6													
2																6													
3																6													
4																6													
5																2													
6																													
7																													
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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



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>.

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company:	ATC Group Services, LLC - Columbia	Report To:	Brad Hubbard	Attention:	
Address:	6904 North Main Street	Copy To:		Company Name:	
Suite:	107, Columbia, SC 29203	Purchase Order #:		Pace Quote:	Project no. 258CK88612
Email:	brad.hubbard@atcgs.com	Project Name:	Circle K 886 (WSW) Semi-Annual	Pace Project Manager:	bonnie.vang@pacelabs.com
Phone:	NONE	Fax:		Pace Profile #:	9570-3
Requested Due Date:		Project #:		Regulatory Agency	
				State / Location	
				SC	

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G-GRAB C-COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	Preservatives						Analyses Test Y/N	Residual Chlorine (Y/N)	SAMPLE CONDITIONS	
			START DATE	START TIME				END DATE	END TIME	Unpreserved	H2SO4	HNO3	HCl				NaOH
1	Drinking Water	DW	3/30	1536													92596881
2	Waste Water	WW	3/30	1608													VOC 524.2 001
3	Product	P	3/31	1045													OXY 8260D 002
4	Oil	OL	3/30	1557													003
5	Wipe	WP															004
6	Air	AR															005
7	Other	OT															
8	Tissue	TS															
9																	
10																	
11																	
12																	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
No DI water provided in job carbon.		Josh Mallas/Pace		4/1/22		1407		Josh Mallas/Pace		4/1/22		1407		Sealed (Y/N)	
		Josh Mallas/Pace		4/1/22		2010		J.B. Pace KVL		4/1/22		2010		Cooler (Y/N)	
														Ice Received on (Y/N)	
														Temp in C	
														Samples In tact (Y/N)	
SAMPLER NAME AND SIGNATURE															
PRINT Name of SAMPLER: Joe Casey															
SIGNATURE of SAMPLER: <i>Joe Casey</i>															
DATE Signed: 4/1/22															

APPENDIX C

QAPP CONTRACTOR CHECKLIST

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the No box should be checked and a thorough description of the reason must be provided.

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?			X
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?			X
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?			X
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?			X
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X

Item #	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)	X		X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)	X		
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X		
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

APPENDIX D

**PHASE 2 – BOS 200® INJECTION SUMMARY REPORT (AST
ENVIRONMENTAL, 4/11/2022)**



1567 CF Pours Drive
Harrisonburg, Virginia 22802
Phone: 859-846-4900
Web Site: astenv.com

April 11, 2022

Mr. Brad Hubbard
ATLAS
6904 North Main Street, Suite 107
Columbia, South Carolina 29203

RE: Phase 2 - BOS 200® Injection Summary Report
Circle K 2720886
4315 Savannah Highway
Ravenel, South Carolina
UST Permit ID #01589; CA#59718

Dear Mr. Hubbard,

AST Environmental, Inc. (AST) appreciates the opportunity to have provided the injection services at the above referenced site. This letter report provides a summary of the Phase 2 - BOS 200® (BOS) injection event conducted from January 17th through March 22nd, 2022. The attached Figure 1 and the summary below provides the original Phase 2 BOS 200® injection scope:

Treatment Area	Surface Area (ft ²)	# of Injection Points	Triangular Grid Spacing	Vertical Interval (ft bgs)	BOS Total (lbs.)	Supplemental Gypsum Total (lbs.)	Magnesium Sulfate Total (lbs.)	Food Grade Starch Total (lbs.)	Yeast Extract Total (lbs.)
Area A	~1,900	53	6'	4'-10'	4,638	4,638	2,226	928	49
Area B	~6,400	128	6'	4'-8'	8,000	8,000	3,840	1,600	85
Area C	~7,800	210	6'	4'-8'	11,188	11,188	5,370	2,238	118
Area D	~3,150	88	6'	4'-10'	7,700	7,700	3,696	1,540	82
Area F	~1,500	57	6'	4'-7'	2,850	2,850	1,368	570	30
<u>Totals</u>	<u>~20,750</u>	<u>536</u>			<u>34,400</u>	<u>34,400</u>	<u>16,500</u>	<u>6,900</u>	<u>400</u>

The work was performed in accordance with the ATC Contract, AST's Scope of Work (SOW) and proposal dated October 29th, 2021.

Also, it should be noted that due to the relatively high-level of contaminant mass present within the shallow saturated zone, the BOS 200® injections were not designed as an immediate stand-alone effort to achieve the site remedial goals of LNAPL removal and achievement of the SSTLs.

SUMMARY OF FIELD ACTIVITIES

AST took delivery of 34,400 pounds (lbs.) of BOS and collected pre-injection groundwater samples on December 29th, 2021. Pre-injection groundwater samples were sent to RPI Laboratories in Golden, CO and analyzed for VOCs using EPA Method 8260B, Anions using EPA Method 300.1, and Headspace Gasses using EPA Method RSK-175. The attached Table 3 shows all of the analytical data collected and analyzed at the time of this report.

The remaining injection materials: 34,400 lbs. of gypsum, 16,500 lbs. of magnesium sulfate, 6,900 lbs. of corn starch and 400 lbs. of yeast extract were received on site on January 12th, 2022. Injection material was staged adjacent to the southwest corner of the Circle-K. See Attachment A for photographic documentation of injection material onsite and staging area.

On January 17th, 2022, AST personnel mobilized to the site to begin injections the following day. On January 18th, 2022 personnel setup injection equipment and marked injection points. The BOS slurries were prepared using AST's trailer mounted mixing and injection system. AST utilized a 7822 Geoprobe™ to advance the 1.5" direct push rods, equipped with a 6-hole injection tip, in top-down fashion to ensure effective distribution within the subsurface during the injection efforts. Greater detail is provided below.

Injections were initiated on January 18th, 2022, using AST's double pump mixing and injection system, capable of 70 gallons per minute (gpm) at up to 1,200 psig. The injection tips used were 1.5" Geoprobe® direct push injection tools with either six (6) $\frac{5}{32}$ " diameter exit ports oriented 60° apart or (9) $\frac{1}{8}$ " diameter exit ports oriented 40° apart. Before injections were initiated, one soil boring was performed to qualitatively assess phase-1 product distribution as well as sediment lithology (see Attachment A). As seen in Table 1 and Figure 2, injections were started at Injection Point D-79 in Area D. When feasible, water level was monitored during injection in any well within ~10' of the active injection point. Throughout the injection event, AST personnel varied the injection flow rate based on site conditions, daylighting and perceived product distribution. For the majority of on-site work, a flow rate of roughly 35 gpm was found to be optimal and when injections were performed in the median and the SB shoulder of US-17 it was found that injecting at a rate of ~45 gpm lessened the occurrence and severity of daylighting.

Table 1 provides injection data recorded at each of the 532 injection points installed. This table includes:

1. The injection point location identification (e.g. B-01),
2. The date/time each injection occurred,
3. Minimum and maximum total recorded injection pressure,
4. The quantity of BOS 200® and additional injection chemicals installed at each vertical interval and the project totals,
5. The vertical interval of each injection in feet below ground surface (bgs), and
6. Any comments or observations by staff while performing each injection (e.g. daylighting, well impact, etc.)

It is important to note that the "Min Pressure" and "Max Pressure" columns recorded in Table 1 represent the sum of the internal system pressure plus formation pressure. The internal system pressure includes all losses due to fittings, hoses, valves, and drill tooling. A close approximation of the actual pressure at the injection tip outlet can be estimated by subtracting the system losses from the recorded value observed at the discharge end of the pump. The system losses are measured and recorded in the field for each site-specific configuration being used. For the components used

and flow rates operated during this injection event, the system pressure ranged from 160 to 400 psig. Subtracting the system pressure losses from the total recorded pressure provides the “Formation Pressure”.

Initial BOS 200® Pilot Testing to Verify Injection Point Spacing, Injection Fluid Volume Needed and Optimal Slurry Density

To assess the effect of slurry viscosity on product distribution, AST initially mixed only BOS 200® and bacteria with none of the supplemental TEA’s. This thinner slurry was injected into the first 17 injection points roughly centered around MW-2. It was suspected that a less viscous slurry would be able to travel through the lithology farther and allow for more uniform distribution. In order to test this theory, the water level in MW-2 was monitored and upon completion of the 17-point test area another soil boring was collected for visual examination. Based on the data collected, it was decided that thinning the slurry by not mixing the supplemental TEA’s did not have any appreciable effect on distribution; during only the injection of D-58 did water level in MW-2 rise (1.05’) and the soil boring looked similar to quality control borings collected during phase 1 injections.

Continuation of On-site Phase 2 Injections

Injections continued onsite in areas A, B, and D, shown in detail in the included Figure 2, from January 19th through February 16th. On February 8th, onsite wells (MW-2, MW-33, MW-3, RW-3, RW-2, and RW-7) were gauged, purged and sampled. The well gauging log is included as the attached Table 2. Between February 15th and 16th additional product was added to injection points that had not received the full injection volume per the design.

During the on-site injection effort, a total of 270 injection points were completed with injection amendment installation totals as follows:

BOS 200® (lbs.)	Supplemental Gypsum (lbs.)	Magnesium Sulfate (lbs.)	Corn Starch (lbs.)	Yeast Extract (lbs.)
~16,600	~15,700	~8,200	~3,425	~217

Off-Site Phase 2 Injections

On February 17th, 2022, AST personnel moved injection equipment and materials into the median of US-17 to perform injections in area C, shown in detail in in the included Figure 3. Photos of this injection equipment setup and injection point grid are provided in Attachment A. Onsite injection area had injection points patched with concrete and grass was covered with straw to promote regrowth of grass.

Likely due to the shallower depth to water and the more highly disturbed soils in the highway corridor, excessive daylighting was encountered in Area C that necessitated changes to the injection plan. AST first attempted to mitigate the daylighting by varying the injection flow rate and injection tip geometry but ultimately it was decided to shift the injection interval down to slightly deeper intervals as the product was migrating upward during the injections. The injections were performed from 5’ to 8’ bgs. On March 3rd, all wells on and off site were gauged, purged, and sampled. BOS 200® was visible in wells RW-8, RW-9, and RW-6. AST continued to observe water level rise in nearby monitoring wells as injections were performed in the median. Injections in Area C, within the median, were completed on March 15th. Site restoration in the median included rough grading with track loader and slope stabilization with straw.

On March 15th, 2022, AST staff moved injection equipment and materials to the southbound shoulder of US-17, shown in detail in the included Attachment A. While injecting in Area F, AST personnel

monitored the locations where LNAPL/road subbase were previously observed seeping out of the pavement. Throughout the injection effort in area F, a moderate amount of daylighting along the edge of pavement was encountered which at times brought tar-like NAPL to the surface with it. The presence of NAPL in the surfaced material was most notable in the area directly around RW-11. Due to the high NAPL content in the daylighted material, AST was unable to reinject this material, so it was contained and allowed to dry before being drummed for disposal.

AST did not observe continued seepage of NAPL/road sub-base within the injection area during or immediately following the injection effort in Area F. During the off-site injection effort, a total of 262 injection points were completed with material installation totals as follows:

BOS 200® (lbs.)	Supplemental Gypsum (lbs.)	Magnesium Sulfate (lbs.)	Corn Starch (lbs.)	Yeast Extract (lbs.)
~11,800	~11,800	~6,050	~2,370	~128

As stated above, Figure 1 provides an overview of proposed injection areas and Figures 2 and 3 provide the detailed as-builts for the Phase 2 injection effort. Also, as stated above, the photographic documentation of the field effort is included as Attachment A.

All injections were completed on Saturday March 19th, 2022. As discussed above, Table 1 provides the details for each of the injections that combined for the installation of 28,400 lbs of BOS 200®, 27,500 lbs of supplemental gypsum, 345 lbs of yeast extract, 5,800 lbs of food grade starch and 14,250 lbs of magnesium sulfate in 532 injection points.

Once each injection point was completed, the direct push rods were removed, then the borehole was sealed with hydrated bentonite to within approximately 4 to 6 inches of ground surface. The balance of each borehole was then capped with concrete, asphalt or soil to match the native surface.

All wells on and off site were sampled on March 21st, 2022 and the southbound shoulder work area was restored. AST shipped the left-over injection material back to its Virginia office. Demobilization and final site restoration (i.e. rough grading and clearing debris from staging area) occurred on Tuesday March 22nd, 2022.

CONCLUSIONS AND RECOMMENDATIONS

AST made slight modifications to the original BOS injection design to:

1. Install as much BOS 200® as possible in the areas known to contain LNAPL or high concentrations of BTEX compounds.
2. Minimize waste due to daylighting/surfacing of BOS 200 during injections.
3. Account for utility corridors and differences between actual field conditions and the original site plans.

Injection flow rates were variable during the injection event due to field observations such as surfacing. Initially the flow rate was set between 50 gpm and 60 gpm, but this greatly increased the instances and amount of daylighting. Thus, the decision was made to back down to ~35 gpm to decrease the amount of daylighting while maintaining proper distribution in the subsurface. Flow rate was increased to ~45 gpm when injections were performed in the offsite areas.

Adequate distribution was observed throughout the injection event, instances of distribution include (but are not limited to) a hydraulic response and/or visual identification of BOS 200® intersection within monitoring wells or minor surfacing/daylighting at an approximately equivalent distance to the injection point grid spacing from the point of injection. These instances are noted in Table 1 with notable instances as follows:

- March 15, RW-6, RW-9, RW-5, and RW-8 rose 1', 0.25', 0.40', and 0.25', respectively, during injections.
- February 21, RW-8 rose 3' in response to injecting C-134.
- February 22, RW-9 rose 1.25' in response to injecting C-151.
- February 9, RW-3 rose 0.3' during the injection of B-79.
- January 19, MW-2 rose 1.05' during the injection of D-58.

Throughout the injection effort, AST gauged depth to NAPL and depth to water in site wells within injection areas where NAPL was previously encountered. It is difficult to draw conclusions based on this limited data set as fluctuations in LNAPL thickness are normal without the additional factors introduced during injections including carbon adsorption and localized liberation of LNAPL due to energy imparted on the subsurface formation during injections.

AST re-developed and purged the monitoring and recovery wells within the injection areas throughout the Phase 2 injection event. Groundwater samples were collected on multiple occasions as work progressed and at the completion of Phase 2 injections. The purpose of monitoring LNAPL levels, and collection of groundwater samples is to provide supporting evidence of the hydraulic effects from the injections and for the BOS 200 distribution within the formation, as well as verify the initiation of biological processes to support the long-term treatment.

The visual presence of BOS 200 in borings and wells provides another line of evidence of effective subsurface distribution. The presence of increased concentrations of terminal electron acceptors (TEAs), such as sulfate and nitrate further demonstrate distribution of the amendment slurries. Table 3 provides the short-term performance data from groundwater samples analyzed at the RPI Group Project Support Laboratory in Golden, CO. The methods and analytes were VOCs and TVPH using EPA Method 8260B, Anions using EPA Method 300.1 and Headspace Gasses using EPA Method RSK-175.

To gain insight on the effects of Phase 2 injections it is recommended to continue monitoring the following site conditions:

- Trends in TEAs, acetate, methane, and carbon dioxide concentrations in groundwater that indicate continued biodegradation processes;
 - Given the pre-injection contaminant mass residing within the Phase 2 injection area, it is expected that excess sulfate (primary TEA, supporting the sulfate reducing bacteria) will be consumed relatively quickly at which point, the rate of reduction will slow as the system becomes dependent on natural sources for TEAs.
- Presence/Thickness of LNAPL in monitoring/recovery well network:
 - Dissolved phase concentrations will continue to rebound until LNAPL is removed.
 - As originally planned, LNAPL should be removed from wells during sampling events as wells can act as "sinks" for LNAPL to collect.

The objective of Phase 2 injections was to target areas where LNAPL was present and provide additional terminal electron acceptors to the treatment matrix installed during phase 1 injections. BTEX and TVPH parameters are expected to rebound as the subsurface system equilibrates from back diffusion as contaminant mass desorbs from saturated soil. For this reason, some of the most critical parameters to monitor at this time are sulfate, nitrate, carbon dioxide and methane. These parameters will give insight into both distribution and the biological processes taking place. As seen in Table 3, increases of these parameters, most notably sulfate, are seen in several instances throughout the monitoring and recovery well network when comparing pre- and post- injection concentrations.

Mr. Brad Hubbard
April 11, 2022
Page 6

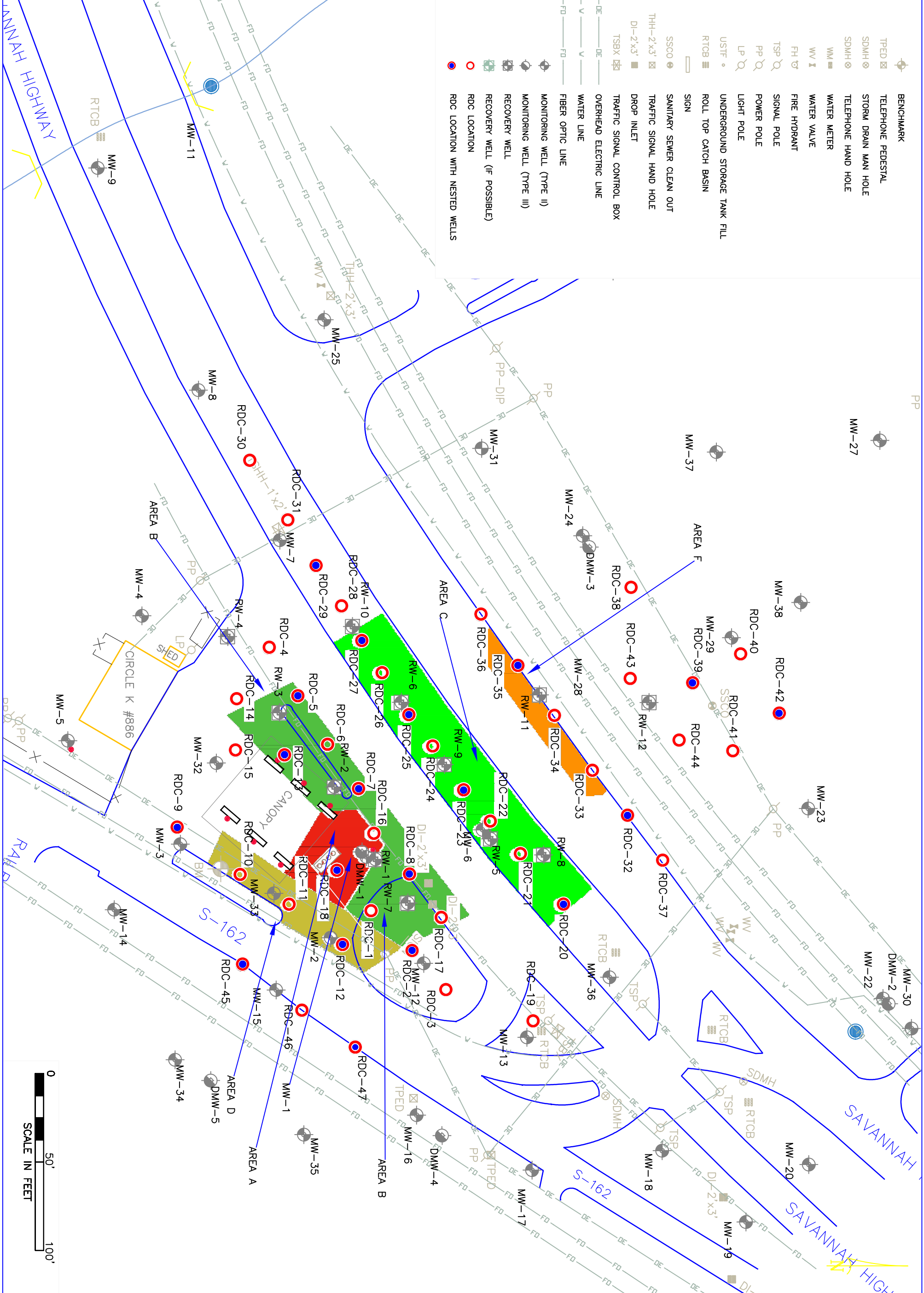
If you have any questions or wish to discuss the information provided herein, please feel free to contact Nathan Mau at (540) 293-5142 or via email at nmau@astenv.com

Sincerely,
AST Environmental, Inc.

A handwritten signature in black ink, appearing to read "Nathan Mau".

Nathan Mau
Project Manager

FIGURES



NOTES:

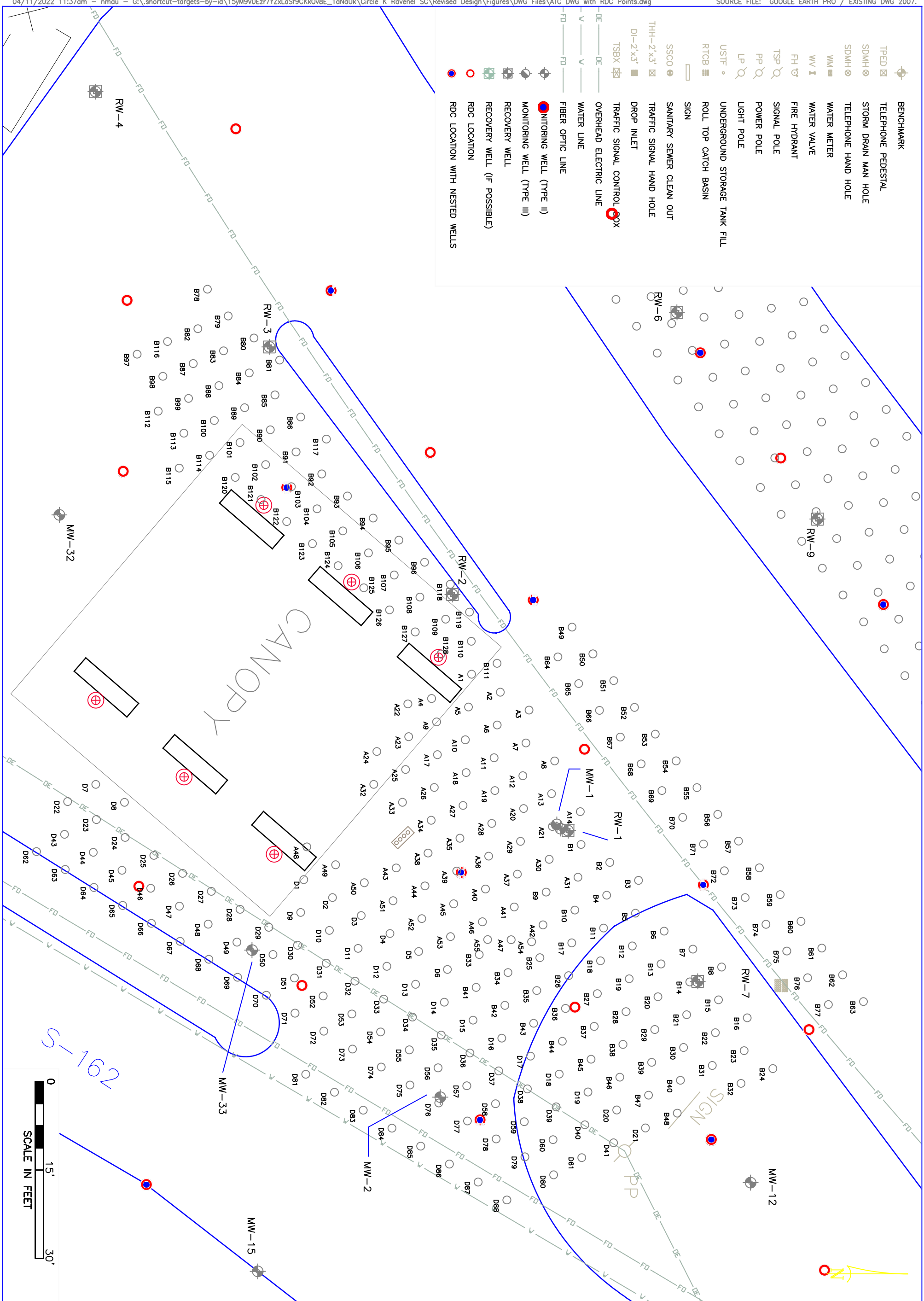
TITLE **Figure 1** UST PERMIT #01589
 SITE MAP WITH PHASE 2 INJECTION AREAS
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

CAD FILE	TYPE CODE	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1252215.dwg		BH		1"=50'	04/1/2022	CIRK088610

ATC
 - AN ATLAS COMPANY -
 ENVIRONMENTAL GEOTECHNICAL
 BUILDING SCIENCES MATERIALS TESTING

Columbia, South Carolina 29203
 6904 North Main Street, Suite 107
 (803)735-0003

	BENCHMARK
	TELEPHONE PEDESTAL
	STORM DRAIN MAN HOLE
	TELEPHONE HAND HOLE
	WATER METER
	WATER VALVE
	FIRE HYDRANT
	SIGNAL POLE
	POWER POLE
	LIGHT POLE
	UNDERGROUND STORAGE TANK FILL
	ROLL TOP CATCH BASIN
	SIGN
	SANITARY SEWER CLEAN OUT
	TRAFFIC SIGNAL HAND HOLE
	DROP INLET
	TRAFFIC SIGNAL CONTROL BOX
	OVERHEAD ELECTRIC LINE
	WATER LINE
	FIBER OPTIC LINE
	MONITORING WELL (TYPE II)
	MONITORING WELL (TYPE III)
	RECOVERY WELL
	RECOVERY WELL (IF POSSIBLE)
	RDC LOCATION
	RDC LOCATION WITH NESTED WELLS



S-162



NOTES:

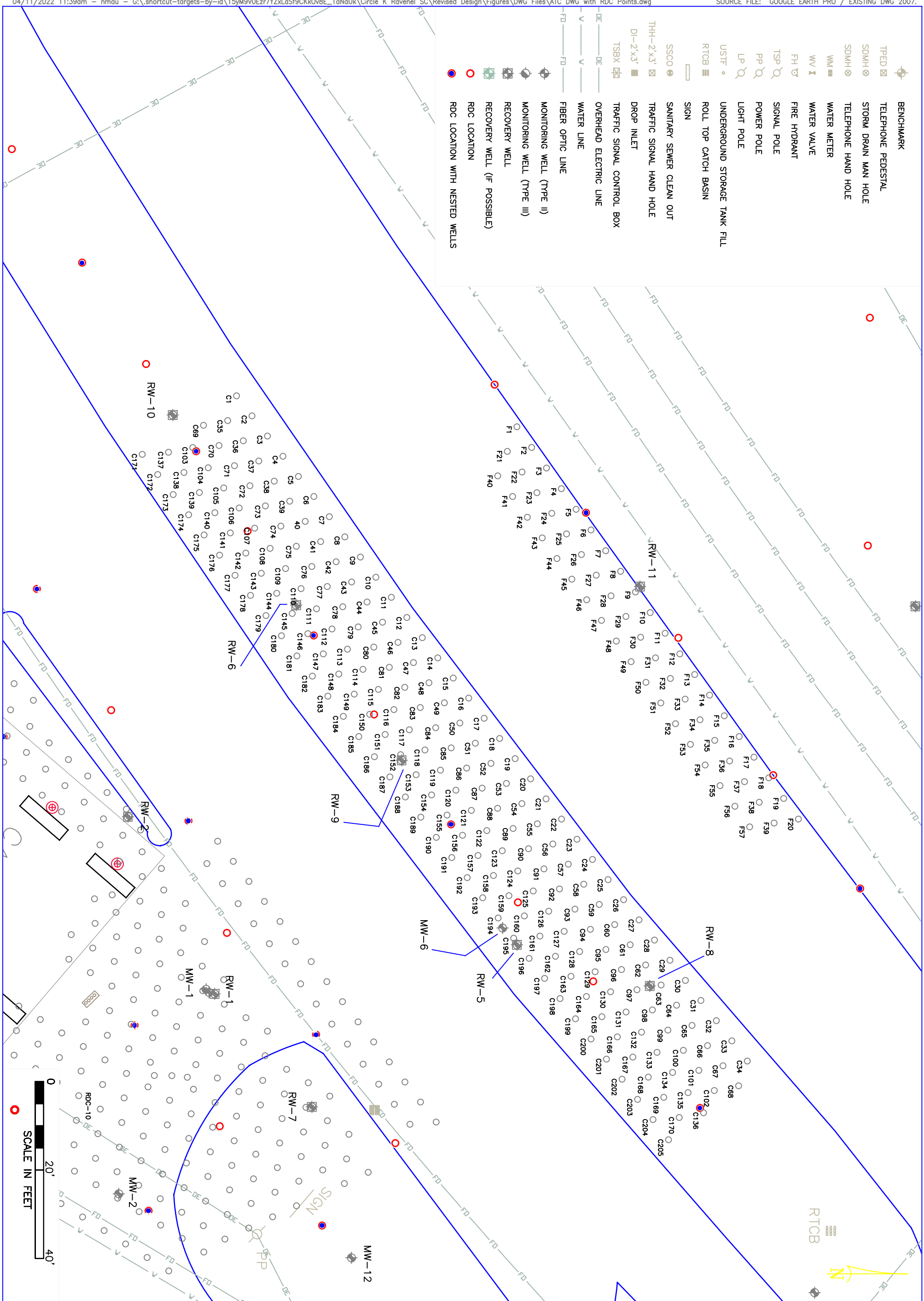
TITLE **Figure 2** UST PERMIT #01589
 PHASE 2 INJECTION AREAS A, B, D DETAIL
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

CAD FILE	TYPE CODE	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1252215.dwg		BH		1"=15'	04/1/2022	CIRK088610

Columbia, South Carolina 29203
 6904 North Main Street, Suite 107
 (803)735-0003

- AN ATLAS COMPANY -
 ENVIRONMENTAL GEOTECHNICAL
 BUILDING SCIENCES MATERIALS TESTING

	BENCHMARK
	TELEPHONE PEDESTAL
	STORM DRAIN MAN HOLE
	TELEPHONE HAND HOLE
	WATER METER
	WATER VALVE
	FIRE HYDRANT
	SIGNAL POLE
	POWER POLE
	LIGHT POLE
	UNDERGROUND STORAGE TANK FILL
	ROLL TOP CATCH BASIN
	SIGN
	SANITARY SEWER CLEAN OUT
	TRAFFIC SIGNAL HAND HOLE
	DROP INLET
	TRAFFIC SIGNAL CONTROL BOX
	OVERHEAD ELECTRIC LINE
	WATER LINE
	FIBER OPTIC LINE
	MONITORING WELL (TYPE II)
	MONITORING WELL (TYPE III)
	RECOVERY WELL
	RECOVERY WELL (IF POSSIBLE)
	RDC LOCATION
	RDC LOCATION WITH NESTED WELLS



NOTES:

TITLE **Figure 3** UST PERMIT #01589
 PHASE 2 INJECTION AREAS C, F DETAIL
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

CAD FILE	TYPE CODE	PREP. BY	REV. BY
1252215.dwg		BH	

Columbia, South Carolina 29203
 6904 North Main Street, Suite 107
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 BUILDING SCIENCES MATERIALS TESTING

SCALE	DATE	PROJECT NO.
1" = 20'	04/01/2022	CIRK088610

TABLES

Injection Report - Phase 2 - Circle K #2720886												
Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes	
A01												
1/31/2022	11:25	5	15	25.01	25.01	12.00	5.00	0.27	380	420	DL MOD 5FT S	
1/31/2022	11:43	7	2	3.33	3.33	1.60	0.67	0.04	0	0	DL MOD SAA	
1/31/2022	11:44	9	15	25.01	25.01	12.00	5.00	0.27	380	520	DL MIN SAA	
A02												
2/2/2022	8:46	4	15	25.01	25.01	12.00	5.00	0.27	400	440	DL MAJ @A01	
2/2/2022	8:54	6	15	25.01	25.01	12.00	5.00	0.27	400	440		
2/2/2022	9:00	8	15	25.01	25.01	12.00	5.00	0.27	500	660	DL MAJ 5FT NW	
2/2/2022	9:15	10	15	25.01	25.01	12.00	5.00	0.27	440	880	DL MIN 10FT S	
A03												
2/16/2022	9:44	5	15	25.01	25.01	12.00	5.00	0.27	360	360	DL MAJ 3FT NW	
2/16/2022	9:49	7	5	8.34	8.34	4.00	1.67	0.09	320	740	DL SAA	
2/16/2022	9:51	9	20	33.34	33.34	16.00	6.67	0.36	320	360	DL MIN SAA	
A04												
2/9/2022	11:57	4	15	25.01	25.01	12.00	5.00	0.27	860	900		
2/9/2022	12:02	6	15	25.01	25.01	12.00	5.00	0.27	800	820	DL MIN 5FT SW	
2/9/2022	12:07	8	15	25.01	25.01	12.00	5.00	0.27	400	880		
2/9/2022	12:21	10	15	25.01	25.01	12.00	5.00	0.27	720	880		
A05												
2/10/2022	11:37	5	15	25.01	25.01	12.00	5.00	0.27	480	480		
2/10/2022	11:43	7	5	8.34	8.34	4.00	1.67	0.09	400	600	DL MAJ 10FT N	
2/10/2022	11:52	9	15	25.01	25.01	12.00	5.00	0.27	560	800		
A06												
1/28/2022	10:59	4	15	25.01	25.01	12.00	5.00	0.27	460	560		
1/28/2022	11:02	6	15	25.01	25.01	12.00	5.00	0.27	320	500		
1/28/2022	11:03	8	15	25.01	25.01	12.00	5.00	0.27	480	600		
1/28/2022	11:09	10	15	25.01	25.01	12.00	5.00	0.27	580	700		
A07												
2/9/2022	12:27	5	15	25.01	25.01	12.00	5.00	0.27	480	480		
2/9/2022	12:32	7	5	8.34	8.34	4.00	1.67	0.09	480	480	DL MAJ 10FT N	
2/9/2022	12:35	9	15	25.01	25.01	12.00	5.00	0.27	480	480	DL MOD SAA	
A08												
2/8/2022	16:43	4	15	25.01	25.01	12.00	5.00	0.27	480	720		
2/8/2022	16:47	6	5	8.34	8.34	4.00	1.67	0.09	320	360	DL MOD 5FT N	
2/8/2022	16:58	8	5	8.34	8.34	4.00	1.67	0.09	600	680	DL MAJ SAA	
2/8/2022	17:01	10	15	25.01	25.01	12.00	5.00	0.27	440	520		
A09												
2/11/2022	11:39	5	15	25.01	25.01	12.00	5.00	0.27	520	680	DL MAJ @A07	
2/15/2022	15:05	7	25	41.68	41.68	20.00	8.33	0.45	620	800	DL MAJ SAA	
2/15/2022	15:07	9	25	41.68	41.68	20.00	8.33	0.45	620	800	DL SAA	
A10												
1/31/2022	10:19	4	15	25.01	25.01	12.00	5.00	0.27	320	360		
1/31/2022	10:22	6	15	25.01	25.01	12.00	5.00	0.27	320	360		
1/31/2022	10:53	8	15	25.01	25.01	12.00	5.00	0.27	320	600	DL MAJ 15FT N	
1/31/2022	10:53	10	10	16.67	16.67	8.00	3.33	0.18	320	600	DL MOD SAA	
A11												
2/8/2022	9:51	5	15	25.01	25.01	12.00	5.00	0.27	380	800		
2/8/2022	9:55	7	15	25.01	25.01	12.00	5.00	0.27	380	440		
2/8/2022	10:01	9	15	25.01	25.01	12.00	5.00	0.27	540	540		
A12												
1/21/2022	9:48	4	15	25.01	25.01	12.00	5.00	0.27	400	400		
1/21/2022		6	15	25.01	25.01	12.00	5.00	0.27	400	400		
1/21/2022		8	15	25.01	25.01	12.00	5.00	0.27	400	460	DL 10ft NE Moderate	
1/21/2022		10	15	25.01	25.01	12.00	5.00	0.27	320	420		
A13												
1/31/2022	10:57	5	15	25.01	25.01	12.00	5.00	0.27	320	380		
1/31/2022	11:03	7	15	25.01	25.01	12.00	5.00	0.27	320	380	DL MAJ 5FT N	
1/31/2022	11:18	9	15	25.01	25.01	12.00	5.00	0.27	4000	420	DL MAJ SAA	
A14												
1/21/2022	9:15	4	15	25.01	25.01	12.00	5.00	0.27	420	420		
1/21/2022		6	5	8.34	8.34	4.00	1.67	0.09	420	420	DL 10ft E Moderate	
1/21/2022		8	15	25.01	25.01	12.00	5.00	0.27	420	460		
1/21/2022		10	15	25.01	25.01	12.00	5.00	0.27	420	420		
A17												
2/2/2022	8:27	5	15	25.01	25.01	12.00	5.00	0.27	400	400		
2/2/2022	8:37	7	15	25.01	25.01	12.00	5.00	0.27	280	400	DL MOD @A34	
2/2/2022	8:38	9	15	25.01	25.01	12.00	5.00	0.27	400	400		
A18												

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
2/16/2022	10:10	4	15	25.01	25.01	12.00	5.00	0.27	500	500	
2/16/2022		6	20	33.34	33.34	16.00	6.67	0.36	520	520	
2/16/2022		8	20	33.34	33.34	16.00	6.67	0.36	580	580	
2/16/2022		10	10	16.67	16.67	8.00	3.33	0.18	580	620	DL @ A-22 Heavy
A19											
1/31/2022	8:41	5	15	25.01	25.01	12.00	5.00	0.27	320	320	
1/31/2022	8:45	7	15	25.01	25.01	12.00	5.00	0.27	320	320	DL MIN @RODS
1/31/2022	8:50	9	15	25.01	25.01	12.00	5.00	0.27	320	420	
A20											
1/20/2022		4	15	25.01	25.01	12.00	5.00	0.27	400	420	
1/20/2022		6	15	25.01	25.01	12.00	5.00	0.27	420	420	
1/20/2022		8	15	25.01	25.01	12.00	5.00	0.27	420	580	
1/20/2022		10	15	25.01	25.01	12.00	5.00	0.27	420	620	
A21											
2/1/2022	11:46	5	15	25.01	25.01	12.00	5.00	0.27	280	280	
2/1/2022	11:50	7	15	25.01	25.01	12.00	5.00	0.27	300	400	
2/1/2022	11:57	9	15	25.01	25.01	12.00	5.00	0.27	280	320	
A22											
1/28/2022	11:48	4	15	25.01	25.01	12.00	5.00	0.27	400	400	
1/28/2022	11:51	6	15	25.01	25.01	12.00	5.00	0.27	400	400	
1/28/2022	11:52	8	15	25.01	25.01	12.00	5.00	0.27	420	480	
1/28/2022	11:57	10	15	25.01	25.01	12.00	5.00	0.27	420	420	DL MIN 5FT W
A23											
		4	15	25.01	25.01	12.00	5.00	0.27	420	480	
		6	5	8.34	8.34	4.00	1.67	0.09	420	420	DL @ B-03 Moderate
		8	15	25.01	25.01	12.00	5.00	0.27	520	800	
		10	15	25.01	25.01	12.00	5.00	0.27	520	800	DL 8ft E Moderate
A24											
1/25/2022	13:32	4	15	25.01	25.01	12.00	5.00	0.27	320	380	
1/25/2022	13:37	6	15	25.01	25.01	12.00	5.00	0.27	320	380	
1/25/2022	13:39	8	15	25.01	25.01	12.00	5.00	0.27	320	380	DL MIN @RODS
1/25/2022	13:45	10	15	25.01	25.01	12.00	5.00	0.27	320	380	DL MAJ 10FT NW
A25											
2/9/2022	16:22	5	15	25.01	25.01	12.00	5.00	0.27	880	920	DL MOD 3FT S
2/9/2022	16:22	7	10	16.67	16.67	8.00	3.33	0.18	480	820	DL SAA
2/9/2022	16:24	9	15	25.01	25.01	12.00	5.00	0.27	480	820	
A26											
1/25/2022	13:18	4	15	25.01	25.01	12.00	5.00	0.27	320	320	
1/25/2022	13:19	6	15	25.01	25.01	12.00	5.00	0.27	320	320	
1/25/2022	13:24	8	15	25.01	25.01	12.00	5.00	0.27	320	620	
1/25/2022	13:28	10	15	25.01	25.01	12.00	5.00	0.27	280	600	
A27											
2/9/2022	16:33	5	15	25.01	25.01	12.00	5.00	0.27	420	480	
2/9/2022	16:37	7	15	25.01	25.01	12.00	5.00	0.27	320	480	DL MOD @ RODS
2/9/2022	16:41	9	15	25.01	25.01	12.00	5.00	0.27	320	480	
A28											
1/25/2022	13:03	4	15	25.01	25.01	12.00	5.00	0.27	340	380	
1/25/2022	13:07	6	15	25.01	25.01	12.00	5.00	0.27	340	400	
1/25/2022	13:10	8	15	25.01	25.01	12.00	5.00	0.27	400	400	
1/25/2022	13:11	10	15	25.01	25.01	12.00	5.00	0.27	320	900	
A29											
1/27/2022	16:49	5	15	25.01	25.01	12.00	5.00	0.27	400	420	
1/27/2022	16:54	7	15	25.01	25.01	12.00	5.00	0.27	440	480	
1/27/2022	16:55	9	15	25.01	25.01	12.00	5.00	0.27	440	480	
A30											
1/25/2022	11:29	4	15	25.01	25.01	12.00	5.00	0.27	520	600	
1/25/2022	11:30	6	15	25.01	25.01	12.00	5.00	0.27	440	440	
1/25/2022	11:34	8	15	25.01	25.01	12.00	5.00	0.27	440	500	
1/25/2022	11:39	10	15	25.01	25.01	12.00	5.00	0.27	340	380	
A31											
2/2/2022	9:24	5	15	25.01	25.01	12.00	5.00	0.27	400	560	
2/2/2022	9:31	7	5	8.34	8.34	4.00	1.67	0.09	400	420	DL MOD 10FT NE
2/2/2022	9:39	9	15	25.01	25.01	12.00	5.00	0.27	400	420	
A32											
2/8/2022	10:29	4	15	25.01	25.01	12.00	5.00	0.27	360	360	DL MAJ 10FT NW
2/8/2022	10:31	6	15	25.01	25.01	12.00	5.00	0.27	400	400	
2/8/2022	10:56	8	15	25.01	25.01	12.00	5.00	0.27	540	580	
2/8/2022	10:59	10	15	25.01	25.01	12.00	5.00	0.27	540	580	
A33											
1/20/2022	13:45	5	15	25.01	25.01	12.00	5.00	0.27	340	340	

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
1/20/2022		7	15	25.01	25.01	12.00	5.00	0.27	340	340	
1/20/2022		9	15	25.01	25.01	12.00	5.00	0.27	240	860	
A34											
2/16/2022	8:18	6	15	25.01	25.01	12.00	5.00	0.27	480	480	
2/16/2022	8:18	8	15	25.01	25.01	12.00	5.00	0.27	480	480	
2/16/2022	8:18	10	15	25.01	25.01	12.00	5.00	0.27	480	480	
A35											
1/20/2022	13:54	5	15	25.01	25.01	12.00	5.00	0.27	120	820	
1/20/2022		7	15	25.01	25.01	12.00	5.00	0.27	120	180	
1/20/2022		9	15	25.01	25.01	12.00	5.00	0.27	120	180	
A36											
1/28/2022	12:06	4	15	25.01	25.01	12.00	5.00	0.27	400	400	DL MOD 2FT N
2/15/2022	15:50	6	20	33.34	33.34	16.00	6.67	0.36	400	400	DL MOD 2FT N & A29
2/15/2022	15:55	8	20	33.34	33.34	16.00	6.67	0.36	560	700	DL MOD SAA
2/15/2022	15:57	10	20	33.34	33.34	16.00	6.67	0.36	400	480	DL MIN SAA
A37											
1/20/2022	14:04	5	15	25.01	25.01	12.00	5.00	0.27	340	400	DL @ rods min.
1/20/2022		7	2	3.33	3.33	1.60	0.67	0.04	400	820	DL @ rods heavy
1/20/2022		9	3	5.00	5.00	2.40	1.00	0.05	400	800	DL @ rods heavy
A38											
1/24/2022	16:39	4	15	25.01	25.01	12.00	5.00	0.27	480	480	
1/24/2022	16:40	6	15	25.01	25.01	12.00	5.00	0.27	480	480	
1/24/2022	16:45	8	15	25.01	25.01	12.00	5.00	0.27	440	440	
1/24/2022	16:46	10	15	25.01	25.01	12.00	5.00	0.27	440	440	
A39											
2/1/2022	13:44	5	15	25.01	25.01	12.00	5.00	0.27	360	420	
2/15/2022	13:13	7	15	25.01	25.01	12.00	5.00	0.27	360	420	
2/15/2022	13:16	9	15	25.01	25.01	12.00	5.00	0.27	320	420	DL MOD 5FT W
A40											
1/25/2022	8:09	4	15	25.01	25.01	12.00	5.00	0.27	520	520	
1/25/2022	8:11	6	15	25.01	25.01	12.00	5.00	0.27	520	520	
1/25/2022	8:15	8	15	25.01	25.01	12.00	5.00	0.27	540	540	
1/25/2022	8:18	10	15	25.01	25.01	12.00	5.00	0.27	600	640	
A41											
2/8/2022	11:12	5	15	25.01	25.01	12.00	5.00	0.27	400	400	
2/16/2022	8:43	7	15	25.01	25.01	12.00	5.00	0.27	400	400	DL MOD 5FT NW
2/16/2022	9:01	9	15	25.01	25.01	12.00	5.00	0.27	400	400	
A42											
1/25/2022	8:30	4	15	25.01	25.01	12.00	5.00	0.27	180	360	
1/25/2022	8:34	6	15	25.01	25.01	12.00	5.00	0.27	400	400	
1/25/2022	8:39	8	15	25.01	25.01	12.00	5.00	0.27	400	640	
1/25/2022	8:42	10	15	25.01	25.01	12.00	5.00	0.27	600	780	
A43											
1/20/2022	11:46	5	15	25.01	25.01	12.00	5.00	0.27	340	340	
1/20/2022		7	15	25.01	25.01	12.00	5.00	0.27	340	340	
1/20/2022		9	15	25.01	25.01	12.00	5.00	0.27	340	340	DL @ D-03 Mod.
A44											
1/27/2022	16:26	4	15	25.01	25.01	12.00	5.00	0.27	400	460	
2/16/2022	8:12	6	15	25.01	25.01	12.00	5.00	0.27	400	460	
2/16/2022	8:16	8	3	5.00	5.00	2.40	1.00	0.05	880	880	
2/16/2022	8:19	10	2	3.33	3.33	1.60	0.67	0.04	880	880	
A45											
1/20/2022	11:52	5	15	25.01	25.01	12.00	5.00	0.27	340	340	
1/20/2022		7	15	25.01	25.01	12.00	5.00	0.27	340	380	
1/20/2022		9	15	25.01	25.01	12.00	5.00	0.27	340	400	
A46											
1/31/2022	8:57	4	15	25.01	25.01	12.00	5.00	0.27	320	320	
1/31/2022	8:59	6	15	25.01	25.01	12.00	5.00	0.27	320	320	
1/31/2022	9:03	8	15	25.01	25.01	12.00	5.00	0.27	320	400	DL MIN @A44
1/31/2022	9:08	10	15	25.01	25.01	12.00	5.00	0.27	320	360	DL SAA
A47											
1/20/2022	12:09	5	15	25.01	25.01	12.00	5.00	0.27	380	380	
1/20/2022		7	15	25.01	25.01	12.00	5.00	0.27	380	380	
1/20/2022		9	15	25.01	25.01	12.00	5.00	0.27	460	800	
A48											
1/24/2022	14:50	4	15	25.01	25.01	12.00	5.00	0.27	480	560	
1/24/2022	14:50	6	15	25.01	25.01	12.00	5.00	0.27	520	520	
1/24/2022	14:55	8	15	25.01	25.01	12.00	5.00	0.27	520	620	
1/24/2022	15:03	10	15	25.01	25.01	12.00	5.00	0.27	800	880	

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
A49											
1/28/2022	16:21	5	15	25.01	25.01	12.00	5.00	0.27	320	420	
1/28/2022	16:27	7	15	25.01	25.01	12.00	5.00	0.27	400	420	
1/28/2022	16:31	9	15	25.01	25.01	12.00	5.00	0.27	400	420	
A50											
1/24/2022	15:08	4	15	25.01	25.01	12.00	5.00	0.27	420	540	
1/24/2022	15:10	6	15	25.01	25.01	12.00	5.00	0.27	540	580	
1/24/2022	15:13	8	15	25.01	25.01	12.00	5.00	0.27	580	580	
1/24/2022	15:16	10	15	25.01	25.01	12.00	5.00	0.27	480	560	
A51											
1/31/2022	8:25	5	15	25.01	25.01	12.00	5.00	0.27	320	380	DL MOD 5FT W
2/15/2022	13:20	7	15	25.01	25.01	12.00	5.00	0.27	0	0	DL SAA
2/15/2022	13:23	9	10	16.67	16.67	8.00	3.33	0.18	800	880	DL
A52											
1/24/2022	15:24	4	15	25.01	25.01	12.00	5.00	0.27	400	400	
1/24/2022	15:28	6	15	25.01	25.01	12.00	5.00	0.27	480	520	
1/24/2022	15:31	8	15	25.01	25.01	12.00	5.00	0.27	420	520	
1/24/2022	15:34	10	15	25.01	25.01	12.00	5.00	0.27	400	880	
A53											
1/28/2022	15:34	5	15	25.01	25.01	12.00	5.00	0.27	420	480	
1/28/2022	15:39	7	15	25.01	25.01	12.00	5.00	0.27	780	860	DL MOD @RODS
1/28/2022	15:43	9	15	25.01	25.01	12.00	5.00	0.27	380	700	
A54											
2/16/2022	15:17	4	0	0.00	0.00	0.00	0.00	0.00	400	400	
2/16/2022	15:28	6	15	25.01	25.01	12.00	5.00	0.27	520	800	DL MAJ 15FT SW
2/16/2022	15:31	8	15	25.01	25.01	12.00	5.00	0.27	800	920	DL MOD SAA
2/16/2022	15:34	10	5	8.34	8.34	4.00	1.67	0.09	880	880	DL MAJ SAA
A55											
2/16/2022	15:04	6	15	25.01	25.01	12.00	5.00	0.27	380	520	
2/16/2022		8	15	25.01	25.01	12.00	5.00	0.27	380	720	
2/16/2022		10	15	25.01	25.01	12.00	5.00	0.27	400	900	
B01											
1/20/2022	15:33	5	15	25.01	25.01	12.00	5.00	0.27	560	600	
1/20/2022		7	15	25.01	25.01	12.00	5.00	0.27	400	600	
B02											
2/1/2022	16:24	4	15	25.01	25.01	12.00	5.00	0.27	320	380	DL MIN 5FT W
2/16/2022	13:11	6	15	25.01	25.01	12.00	5.00	0.27	320	380	DL MIN 10FT NW
2/16/2022	13:13	8	15	25.01	25.01	12.00	5.00	0.27	320	380	DL MAJ SAA
B03											
1/20/2022	15:23	5	15	25.01	25.01	12.00	5.00	0.27	600	660	DL 5ft E Mod.
1/20/2022		7	10	16.67	16.67	8.00	3.33	0.18	560	600	DL 5ft E Mod.
B04											
1/25/2022	11:16	4	15	25.01	25.01	12.00	5.00	0.27	440	440	
1/25/2022	11:17	6	15	25.01	25.01	12.00	5.00	0.27	440	440	DL MIN 10FT N
1/25/2022	11:22	8	10	16.67	16.67	8.00	3.33	0.18	440	440	DL MOD SAA
B05											
2/8/2022	13:34	5	15	25.01	25.01	12.00	5.00	0.27	420	440	
2/8/2022	13:39	7	5	8.34	8.34	4.00	1.67	0.09	420	440	DL MAJ 10FT NW
B06											
1/25/2022	11:04	4	10	16.67	16.67	8.00	3.33	0.18	400	440	DL MOD 5FT SE
1/25/2022	11:04	6	3	5.00	5.00	2.40	1.00	0.05	340	380	DL MAJ SAA
1/25/2022	11:07	8	2	3.33	3.33	1.60	0.67	0.04	480	520	DL MAJ SAA
B07											
2/1/2022	16:17	5	3	5.00	5.00	2.40	1.00	0.05	400	400	DL MAJ 3FT W
2/1/2022	16:18	7	2	3.33	3.33	1.60	0.67	0.04	400	400	DL SAA
B08											
1/25/2022	10:10	4	5	8.34	8.34	4.00	1.67	0.09	400	400	DL MAJ 5FT N
1/25/2022	10:16	6	15	25.01	25.01	12.00	5.00	0.27	400	400	DL MOD 10FT N
1/25/2022	10:17	8	5	8.34	8.34	4.00	1.67	0.09	480	520	DL MAJ 10FT N
B09											
2/1/2022	16:36	5	15	25.01	25.01	12.00	5.00	0.27	280	280	
2/1/2022	16:40	7	15	25.01	25.01	12.00	5.00	0.27	280	320	
B10											
1/20/2022	15:05	4	15	25.01	25.01	12.00	5.00	0.27	420	420	
1/20/2022		6	15	25.01	25.01	12.00	5.00	0.27	420	420	
1/20/2022		8	15	25.01	25.01	12.00	5.00	0.27	800	880	
B11											
1/31/2022	13:37	5	15	25.01	25.01	12.00	5.00	0.27	380	400	
1/31/2022	13:42	7	15	25.01	25.01	12.00	5.00	0.27	380	480	DL MIN 10FT NW
B12											

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
1/28/2022	13:55	4	15	25.01	25.01	12.00	5.00	0.27	400	400	
1/28/2022	14:04	6	15	25.01	25.01	12.00	5.00	0.27	400	400	DL MOD 5FT N
1/28/2022	14:09	8	5	8.34	8.34	4.00	1.67	0.09	400	400	DL MAJ SAA
B13											
1/31/2022	14:28	5	15	25.01	25.01	12.00	5.00	0.27	320	320	
1/31/2022	14:33	7	10	16.67	16.67	8.00	3.33	0.18	320	320	DL MOD 5FT S
B14											
2/2/2022	10:36	4	15	25.01	25.01	12.00	5.00	0.27	380	420	DL MOD 5FT W
2/2/2022	10:39	6	5	8.34	8.34	4.00	1.67	0.09	380	420	DL MAJ SAA
2/2/2022	10:43	8	5	8.34	8.34	4.00	1.67	0.09	380	420	DL SAA
B15											
1/28/2022	14:42	5	8	13.34	13.34	6.40	2.67	0.14	400	400	DL MAJ 5FT W
1/28/2022	14:45	7	2	3.33	3.33	1.60	0.67	0.04	400	400	DL SAA
B16											
2/8/2022	14:49	4	5	8.34	8.34	4.00	1.67	0.09	380	420	DL MAJ 3FT E
2/8/2022	14:53	6	2	3.33	3.33	1.60	0.67	0.04	380	420	DL SAA
2/8/2022	14:53	8	3	5.00	5.00	2.40	1.00	0.05	380	420	DL SAA
B17											
2/2/2022	11:54	5	10	16.67	16.67	8.00	3.33	0.18	440	480	DL MAJ 5FT NE
2/2/2022	11:56	7	5	8.34	8.34	4.00	1.67	0.09	500	800	DL SAA
B18											
1/25/2022	8:46	4	10	16.67	16.67	8.00	3.33	0.18	420	420	DL MAJ 1FT W
1/25/2022	8:50	6	2	3.33	3.33	1.60	0.67	0.04	420	480	DL SAA
1/25/2022	8:55	8	3	5.00	5.00	2.40	1.00	0.05	420	480	DL SAA
B19											
2/12/2022	10:59	5	10	16.67	16.67	8.00	3.33	0.18	180	400	DL MAJ @RODS
2/12/2022	10:59	7	5	8.34	8.34	4.00	1.67	0.09	180	400	DL SAA
B20											
2/8/2022	13:46	4	8	13.34	13.34	6.40	2.67	0.14	380	420	DL MAJ 6FT SE
2/8/2022	13:48	6	1	1.67	1.67	0.80	0.33	0.02	380	420	DL MAJ SAA
2/8/2022	13:50	8	1	1.67	1.67	0.80	0.33	0.02	380	420	DL SAA
B21											
1/25/2022	9:37	5	15	25.01	25.01	12.00	5.00	0.27	420	440	DL MOD 5FT W
1/25/2022	9:45	7	10	16.67	16.67	8.00	3.33	0.18	560	620	DL SAA
B22											
1/31/2022	14:12	4	3	5.00	5.00	2.40	1.00	0.05	420	460	DL MOD 5FT SE
1/31/2022	14:14	6	2	3.33	3.33	1.60	0.67	0.04	420	460	DL MAJ SAA
1/31/2022	14:22	8	15	25.01	25.01	12.00	5.00	0.27	420	460	DL MIN SAA
B23											
2/1/2022	15:31	5	15	25.01	25.01	12.00	5.00	0.27	320	360	
2/1/2022	15:37	7	15	25.01	25.01	12.00	5.00	0.27	380	420	DL MAJ 8FT NE
B24											
1/25/2022	9:53	4	15	25.01	25.01	12.00	5.00	0.27	420	420	
1/25/2022	9:59	6	15	25.01	25.01	12.00	5.00	0.27	420	420	
1/25/2022	10:03	8	10	16.67	16.67	8.00	3.33	0.18	480	520	DL MAJ 3FT W
B25											
2/9/2022	14:50	5	15	25.01	25.01	12.00	5.00	0.27	680	880	DL MAJ 5FT NE
2/15/2022	13:31	7	15	25.01	25.01	12.00	5.00	0.27	680	880	DL SAA
B26											
2/8/2022	14:01	4	15	25.01	25.01	12.00	5.00	0.27	380	420	DL MAJ 4FT E
2/8/2022	14:09	6	2	3.33	3.33	1.60	0.67	0.04	380	420	DL SAA
2/8/2022	14:09	8	3	5.00	5.00	2.40	1.00	0.05	380	420	DL SAA
B27											
2/1/2022	15:44	5	15	25.01	25.01	12.00	5.00	0.27	180	280	
2/1/2022	15:45	7	15	25.01	25.01	12.00	5.00	0.27	300	300	
B28											
2/9/2022	15:06	4	1	1.67	1.67	0.80	0.33	0.02	420	480	DL MAJ @ RODS
2/9/2022	15:06	6	1	1.67	1.67	0.80	0.33	0.02	420	480	DL SAA
2/9/2022	15:08	8	1	1.67	1.67	0.80	0.33	0.02	420	480	DL SAA
B29											
2/2/2022	11:46	5	8	13.34	13.34	6.40	2.67	0.14	440	480	DL MAJ 5FT SE
2/2/2022	11:48	7	2	3.33	3.33	1.60	0.67	0.04	440	480	DL SAA
B30											
1/28/2022	14:51	4	5	8.34	8.34	4.00	1.67	0.09	480	540	DL MAJ 4FT NE
1/28/2022	14:51	6	2	3.33	3.33	1.60	0.67	0.04	480	540	DL SAA
1/28/2022	14:54	8	3	5.00	5.00	2.40	1.00	0.05	0	0	DL SAA
B31											
2/9/2022	14:57	5	3	5.00	5.00	2.40	1.00	0.05	500	500	DL MAJ 5FT N
2/9/2022	15:00	7	2	3.33	3.33	1.60	0.67	0.04	520	680	DL MAJ SAA
B32											

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
2/2/2022	11:38	4	7	11.67	11.67	5.60	2.33	0.13	400	440	DL MAJ 2FT SW
2/2/2022	11:39	6	3	5.00	5.00	2.40	1.00	0.05	400	440	DL SAA
2/2/2022	11:42	8	15	25.01	25.01	12.00	5.00	0.27	400	440	DL MIN SAA
B33											
1/24/2022	16:27	5	15	25.01	25.01	12.00	5.00	0.27	520	580	
1/24/2022	16:30	7	15	25.01	25.01	12.00	5.00	0.27	480	480	
B34											
2/2/2022	10:18	4	15	25.01	25.01	12.00	5.00	0.27	400	420	
2/2/2022	10:21	6	15	25.01	25.01	12.00	5.00	0.27	400	420	
2/2/2022	10:30	8	15	25.01	25.01	12.00	5.00	0.27	400	420	
B35											
1/24/2022	16:19	5	10	16.67	16.67	8.00	3.33	0.18	520	520	DL MOD 3FT E
1/24/2022	16:22	7	5	8.34	8.34	4.00	1.67	0.09	800	840	DL MAJ SAA
B36											
2/14/2022	15:25	4	3	5.00	5.00	2.40	1.00	0.05	880	920	DL MAJ 2FT SW
2/14/2022	15:26	6	1	1.67	1.67	0.80	0.33	0.02	880	920	DL SAA
2/14/2022	15:26	8	1	1.67	1.67	0.80	0.33	0.02	880	920	
B37											
2/2/2022	10:49	5	15	25.01	25.01	12.00	5.00	0.27	400	480	
2/2/2022	10:58	7	15	25.01	25.01	12.00	5.00	0.27	400	480	DL MOD 10FT W
B38											
1/31/2022	14:36	4	10	16.67	16.67	8.00	3.33	0.18	320	320	DL MAJ 3FT N
1/31/2022	14:37	6	2	3.33	3.33	1.60	0.67	0.04	320	320	DL SAA
1/31/2022	14:39	8	3	5.00	5.00	2.40	1.00	0.05	320	320	DL SAA
B39											
2/14/2022	11:12	5	15	25.01	25.01	12.00	5.00	0.27	920	920	
2/14/2022	11:17	7	15	25.01	25.01	12.00	5.00	0.27	920	920	
B40											
2/10/2022	12:02	4	3	5.00	5.00	2.40	1.00	0.05	860	900	DL MAJ 2FT N
2/10/2022	12:02	6	1	1.67	1.67	0.80	0.33	0.02	860	900	DL SAA
2/10/2022	12:04	8	1	1.67	1.67	0.80	0.33	0.02	860	900	DL SAA
B41											
1/20/2022	11:01	5	15	25.01	25.01	12.00	5.00	0.27	380	380	
1/20/2022		7	15	25.01	25.01	12.00	5.00	0.27	380	380	
B42											
2/1/2022	13:58	4	15	25.01	25.01	12.00	5.00	0.27	400	400	
2/1/2022	14:00	6	15	25.01	25.01	12.00	5.00	0.27	400	400	
2/1/2022	14:04	8	15	25.01	25.01	12.00	5.00	0.27	320	400	DL MIN 5FT E
B43											
1/20/2022	11:10	5	15	25.01	25.01	12.00	5.00	0.27	340	340	
1/20/2022		7	15	25.01	25.01	12.00	5.00	0.27	340	340	
B44											
2/11/2022	14:41	4	2	3.33	3.33	1.60	0.67	0.04	480	480	DL MAJ 1FT NE
2/11/2022	14:42	6	2	3.33	3.33	1.60	0.67	0.04	480	480	DL SAA
2/11/2022	14:46	8	1	1.67	1.67	0.80	0.33	0.02	480	480	DL SAA
B45											
1/27/2022	9:34	5	15	25.01	25.01	12.00	5.00	0.27	380	380	
1/27/2022	9:45	7	15	25.01	25.01	12.00	5.00	0.27	380	380	
B46											
2/1/2022	15:20	4	15	25.01	25.01	12.00	5.00	0.27	360	280	
2/1/2022	15:23	6	15	25.01	25.01	12.00	5.00	0.27	280	300	
2/1/2022	15:26	8	15	25.01	25.01	12.00	5.00	0.27	280	380	
B47											
1/27/2022	8:55	5	10	16.67	16.67	8.00	3.33	0.18	540	580	DL MOD 4FT E
1/27/2022	8:58	7	15	25.01	25.01	12.00	5.00	0.27	540	580	DL MIN SAA
B48											
2/11/2022	14:55	4	1	1.67	1.67	0.80	0.33	0.02	480	480	DL MAJ 1FT NE
2/11/2022	14:53	6	1	1.67	1.67	0.80	0.33	0.02	480	480	DL SAA
2/11/2022	14:56	8	1	1.67	1.67	0.80	0.33	0.02	480	480	DL SAA
B49											
1/21/2022	14:12	5	15	25.01	25.01	12.00	5.00	0.27	580	580	
1/21/2022		7	15	25.01	25.01	12.00	5.00	0.27	580	580	
B50											
2/1/2022	10:50	4	15	25.01	25.01	12.00	5.00	0.27	300	300	
2/1/2022	10:54	6	15	25.01	25.01	12.00	5.00	0.27	320	400	
2/1/2022	10:58	8	15	25.01	25.01	12.00	5.00	0.27	320	400	
B51											
1/21/2022	14:38	5	15	25.01	25.01	12.00	5.00	0.27	400	400	
1/21/2022		7	15	25.01	25.01	12.00	5.00	0.27	400	400	
B52											
1/28/2022	10:20	4	15	25.01	25.01	12.00	5.00	0.27	380	400	DL MIN 10FT E

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
1/28/2022	10:25	6	15	25.01	25.01	12.00	5.00	0.27	320	320	DL MAJ SAA
1/28/2022	10:28	8	5	8.34	8.34	4.00	1.67	0.09	400	400	DL SAA
B53											
1/21/2022	12:15	5	15	25.01	25.01	12.00	5.00	0.27	380	380	
1/21/2022		7	15	25.01	25.01	12.00	5.00	0.27	420	700	
B54											
1/28/2022	10:11	4	15	25.01	25.01	12.00	5.00	0.27	480	480	DL MOD 5FT SE
1/28/2022	10:11	6	12	20.00	20.00	9.60	4.00	0.22	820	900	DL MOD SAA
1/28/2022	10:14	8	3	5.00	5.00	2.40	1.00	0.05	960	1000	DL SAA
B55											
1/21/2022	12:03	5	15	25.01	25.01	12.00	5.00	0.27	400	400	
1/21/2022		7	15	25.01	25.01	12.00	5.00	0.27	420	420	
B56											
1/28/2022	9:53	4	15	25.01	25.01	12.00	5.00	0.27	380	400	
1/28/2022	9:55	6	15	25.01	25.01	12.00	5.00	0.27	360	400	
1/28/2022	9:58	8	15	25.01	25.01	12.00	5.00	0.27	360	440	
B57											
1/21/2022	11:50	5	15	25.01	25.01	12.00	5.00	0.27	520	520	
1/21/2022		7	15	25.01	25.01	12.00	5.00	0.27	580	580	
B58											
1/28/2022	9:13	4	15	25.01	25.01	12.00	5.00	0.27	380	400	DL MIN 5FT SE
1/28/2022	9:14	6	10	16.67	16.67	8.00	3.33	0.18	380	400	DL MOD SAA
1/28/2022	9:20	8	15	25.01	25.01	12.00	5.00	0.27	420	680	DL MIN SAA
B59											
1/21/2022	11:10	5	15	25.01	25.01	12.00	5.00	0.27	480	560	
1/21/2022		7	15	25.01	25.01	12.00	5.00	0.27	360	420	DL 10ft SE Minor
B60											
1/28/2022	8:55	4	15	25.01	25.01	12.00	5.00	0.27	380	440	
1/28/2022	8:59	6	15	25.01	25.01	12.00	5.00	0.27	600	680	
1/28/2022	9:03	8	15	25.01	25.01	12.00	5.00	0.27	580	880	
B61											
1/21/2022	10:55	5	15	25.01	25.01	12.00	5.00	0.27	380	440	
1/21/2022		7	10	16.67	16.67	8.00	3.33	0.18	440	700	DL 20ft E Moderate
B62											
1/28/2022	8:39	4	15	25.01	25.01	12.00	5.00	0.27	400	440	
1/28/2022	8:44	6	10	16.67	16.67	8.00	3.33	0.18	380	400	DL MAJ 5FT E
1/28/2022	8:46	8	5	8.34	8.34	4.00	1.67	0.09	380	400	DL SAA
B63											
		5	15	25.01	25.01	12.00	5.00	0.27	500	540	
		7	5	8.34	8.34	4.00	1.67	0.09	640	680	DL 10ft SE Moderate
B64											
1/25/2022	14:45	4	10	16.67	16.67	8.00	3.33	0.18	400	400	DL MAJ 5FT E
1/25/2022	15:04	6	5	8.34	8.34	4.00	1.67	0.09	400	400	DL SAA
1/25/2022	15:08	8	5	8.34	8.34	4.00	1.67	0.09	420	520	
B65											
2/2/2022	13:23	5	10	16.67	16.67	8.00	3.33	0.18	480	480	DL MAJ 3FT SE
2/16/2022	9:40	7	15	25.01	25.01	12.00	5.00	0.27	480	480	DL SAA
B66											
1/25/2022	15:16	4	10	16.67	16.67	8.00	3.33	0.18	380	420	DL MAJ 5FT SW
1/25/2022	15:17	6	2	3.33	3.33	1.60	0.67	0.04	380	380	DL SAA
1/25/2022	15:20	8	3	5.00	5.00	2.40	1.00	0.05	380	420	
B67											
2/9/2022	15:49	5	13	21.67	21.67	10.40	4.33	0.23	880	920	DL MAJ 10FT SW
2/9/2022	15:53	7	2	3.33	3.33	1.60	0.67	0.04	880	920	DL SAA
B68											
2/10/2022	11:22	4	10	16.67	16.67	8.00	3.33	0.18	480	580	DL MAJ 5FT E
2/10/2022	11:24	6	2	3.33	3.33	1.60	0.67	0.04	480	580	DL SAA
2/10/2022	11:28	8	13	21.67	21.67	10.40	4.33	0.23	520	520	
B69											
1/25/2022	15:25	5	15	25.01	25.01	12.00	5.00	0.27	480	520	
1/25/2022	15:33	7	15	25.01	25.01	12.00	5.00	0.27	440	480	DL MIN @RODS
B70											
2/2/2022	13:30	4	2	3.33	3.33	1.60	0.67	0.04	380	380	DL MAJ 2FT SE
2/2/2022	13:32	6	2	3.33	3.33	1.60	0.67	0.04	380	380	DL SAA
2/2/2022	13:35	8	1	1.67	1.67	0.80	0.33	0.02	880	880	
B71											
1/25/2022	16:18	5	15	25.01	25.01	12.00	5.00	0.27	400	560	
1/25/2022	16:23	7	15	25.01	25.01	12.00	5.00	0.27	400	440	
B72											
2/1/2022	12:04	4	15	25.01	25.01	12.00	5.00	0.27	480	600	DL MOD @X08
2/1/2022	12:08	6	15	25.01	25.01	12.00	5.00	0.27	520	720	
2/1/2022	12:13	8	15	25.01	25.01	12.00	5.00	0.27	380	380	
B73											

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Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
1/25/2022	16:09	5	15	25.01	25.01	12.00	5.00	0.27	420	420	
1/25/2022	16:15	7	15	25.01	25.01	12.00	5.00	0.27	480	480	
B74											
2/8/2022	15:21	4	5	8.34	8.34	4.00	1.67	0.09	380	420	DL MAJ 2FT SE
2/8/2022	15:18	6	15	25.01	25.01	12.00	5.00	0.27	380	420	
2/8/2022	15:14	8	15	25.01	25.01	12.00	5.00	0.27	400	600	
B75											
1/25/2022	16:02	5	10	16.67	16.67	8.00	3.33	0.18	520	560	DL MAJ 5FT E
1/25/2022	16:04	7	3	5.00	5.00	2.40	1.00	0.05	420	580	DL SAA
B76											
1/31/2022	13:25	4	8	13.34	13.34	6.40	2.67	0.14	600	600	DL MAJ 3FT SE
1/31/2022	13:28	6	2	3.33	3.33	1.60	0.67	0.04	600	600	DL MAJ SAA
1/31/2022	13:30	8	3	5.00	5.00	2.40	1.00	0.05	600	600	DL SAA
B77											
2/8/2022	15:05	5	2	3.33	3.33	1.60	0.67	0.04	380	420	DL MAJ 2FT SE
2/8/2022	15:05	7	3	5.00	5.00	2.40	1.00	0.05	380	420	DL SAA
B78											
2/12/2022	8:54	5	10	16.67	16.67	8.00	3.33	0.18	860	900	DL MOD 5FT SW
2/12/2022	9:00	7	15	25.01	25.01	12.00	5.00	0.27	880	880	
B79											
2/9/2022	9:10	4	15	25.01	25.01	12.00	5.00	0.27	520	560	
2/9/2022	9:18	6	15	25.01	25.01	12.00	5.00	0.27	520	560	RW-3 ROSE 0.1FT
2/9/2022	9:30	8	15	25.01	25.01	12.00	5.00	0.27	740	880	RW-3 ROSE 0.2FT
B80											
2/10/2022	9:14	5	15	25.01	25.01	12.00	5.00	0.27	880	920	DL MAJ 15FT NW
2/10/2022	9:16	7	5	8.34	8.34	4.00	1.67	0.09	880	920	DL SAA
B81											
2/10/2022	8:48	4	15	25.01	25.01	12.00	5.00	0.27	540	880	
2/10/2022	8:51	6	15	25.01	25.01	12.00	5.00	0.27	480	800	DL MIN 10FT S
2/10/2022	8:57	8	15	25.01	25.01	12.00	5.00	0.27	700	880	
B82											
2/11/2022	10:46	5	15	25.01	25.01	12.00	5.00	0.27	480	480	DL MOD 5FT NE
2/11/2022	10:50	7	5	8.34	8.34	4.00	1.67	0.09	480	480	DL MAJ SAA
B83											
2/14/2022	10:05	4	15	25.01	25.01	12.00	5.00	0.27	880	880	
2/14/2022	10:07	6	15	25.01	25.01	12.00	5.00	0.27	660	720	
2/14/2022	10:14	8	15	25.01	25.01	12.00	5.00	0.27	700	880	
B84											
2/9/2022	10:37	5	15	25.01	25.01	12.00	5.00	0.27	800	880	
2/9/2022	10:41	7	5	8.34	8.34	4.00	1.67	0.09	800	880	DL MAJ 5FT NW
B85											
2/11/2022	9:25	4	10	16.67	16.67	8.00	3.33	0.18	480	480	DL MAJ 2FT N
2/11/2022	9:27	6	2	3.33	3.33	1.60	0.67	0.04	480	480	DL MAJ SAA
2/11/2022	9:29	8	3	5.00	5.00	2.40	1.00	0.05	480	480	DL SAA
B86											
2/14/2022	9:15	5	10	16.67	16.67	8.00	3.33	0.18	880	900	DL MAJ @Y04
2/14/2022	9:24	7	10	16.67	16.67	8.00	3.33	0.18	880	880	DL MAJ SAA
B87											
1/26/2022	9:09	4	15	25.01	25.01	12.00	5.00	0.27	400	400	
1/26/2022	9:10	6	15	25.01	25.01	12.00	5.00	0.27	380	400	
1/26/2022	9:17	8	15	25.01	25.01	12.00	5.00	0.27	500	600	DL MOD 10FT W
B88											
2/1/2022	8:31	5	15	25.01	25.01	12.00	5.00	0.27	360	380	
2/1/2022	8:37	7	15	25.01	25.01	12.00	5.00	0.27	420	480	
B89											
1/26/2022	9:23	4	15	25.01	25.01	12.00	5.00	0.27	500	520	
1/26/2022	9:28	6	15	25.01	25.01	12.00	5.00	0.27	500	520	DL MIN 5FT W
1/26/2022	9:32	8	15	25.01	25.01	12.00	5.00	0.27	560	580	
B90											
2/10/2022	9:44	5	15	25.01	25.01	12.00	5.00	0.27	880	920	
2/10/2022	9:54	7	5	8.34	8.34	4.00	1.67	0.09	800	800	DL MAJ 5FT NW
B91											
1/26/2022	9:41	4	15	25.01	25.01	12.00	5.00	0.27	420	480	DL MOD 5FT E
1/26/2022	9:50	6	2	3.33	3.33	1.60	0.67	0.04	440	480	DL MAJ SAA
1/26/2022	9:55	8	15	25.01	25.01	12.00	5.00	0.27	360	560	
B92											
2/1/2022	8:46	5	15	25.01	25.01	12.00	5.00	0.27	680	820	
2/1/2022	8:48	7	15	25.01	25.01	12.00	5.00	0.27	520	600	DL MOD 5FT SW
B93											
1/26/2022	10:38	4	15	25.01	25.01	12.00	5.00	0.27	400	400	DL MAJ 3FT W
1/26/2022	10:51	6	2	3.33	3.33	1.60	0.67	0.04	400	400	DL SAA
1/26/2022	10:57	8	15	25.01	25.01	12.00	5.00	0.27	480	860	DL MIN SAA
B94											

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Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
2/9/2022	11:44	5	15	25.01	25.01	12.00	5.00	0.27	700	820	DL MIN 5FT W
2/9/2022	11:46	7	5	8.34	8.34	4.00	1.67	0.09	680	820	DL MAJ SAA
B95											
1/26/2022	11:03	4	10	16.67	16.67	8.00	3.33	0.18	480	520	DL MAJ 2FT N
1/26/2022	11:09	6	1	1.67	1.67	0.80	0.33	0.02	400	480	DL MAJ SAA
1/26/2022	11:09	8	1	1.67	1.67	0.80	0.33	0.02	400	480	DL SAA
B96											
2/10/2022	8:33	5	15	25.01	25.01	12.00	5.00	0.27	520	580	
2/10/2022	8:36	7	5	8.34	8.34	4.00	1.67	0.09	520	580	DL MAJ 5FT S
B97											
2/12/2022	8:37	4	15	25.01	25.01	12.00	5.00	0.27	560	700	
2/12/2022	8:39	6	15	25.01	25.01	12.00	5.00	0.27	420	700	
2/12/2022	8:43	8	5	8.34	8.34	4.00	1.67	0.09	520	700	DL MOD @Y08
B98											
2/11/2022	9:39	5	15	25.01	25.01	12.00	5.00	0.27	480	680	
2/11/2022	9:45	7	15	25.01	25.01	12.00	5.00	0.27	840	840	DL MAJ @A19
B99											
2/10/2022	10:06	4	15	25.01	25.01	12.00	5.00	0.27	480	560	
2/10/2022	10:09	6	15	25.01	25.01	12.00	5.00	0.27	480	480	
2/10/2022	10:13	8	15	25.01	25.01	12.00	5.00	0.27	0	580	DL MAJ 20FT NW
B100											
2/14/2022	9:30	5	15	25.01	25.01	12.00	5.00	0.27	480	480	
2/14/2022	9:57	7	10	16.67	16.67	8.00	3.33	0.18	480	480	DL MAJ @Y05
B101											
2/1/2022	9:07	4	15	25.01	25.01	12.00	5.00	0.27	300	300	
2/1/2022	9:10	6	15	25.01	25.01	12.00	5.00	0.27	300	380	
2/1/2022	9:17	8	15	25.01	25.01	12.00	5.00	0.27	300	320	
B102											
2/11/2022	9:57	5	15	25.01	25.01	12.00	5.00	0.27	800	840	
2/11/2022	10:01	7	5	8.34	8.34	4.00	1.67	0.09	0	0	DL MAJ 2FT E
B103											
2/8/2022	16:09	4	15	25.01	25.01	12.00	5.00	0.27	420	420	DL MAJ 2FT SE
2/8/2022	16:09	6	2	3.33	3.33	1.60	0.67	0.04	360	380	DL SAA
2/8/2022	16:15	8	3	5.00	5.00	2.40	1.00	0.05	360	380	DL MOD SAA
B104											
1/21/2022	17:15	5	15	25.01	25.01	12.00	5.00	0.27	540	580	DL @ Y26 moderate
1/21/2022		7	15	25.01	25.01	12.00	5.00	0.27	480	580	
B105											
2/1/2022	10:13	4	15	25.01	25.01	12.00	5.00	0.27	300	300	
2/1/2022	10:14	6	15	25.01	25.01	12.00	5.00	0.27	300	300	
2/1/2022	10:25	8	15	25.01	25.01	12.00	5.00	0.27	300	400	
B106											
1/21/2022	15:55	5	10	16.67	16.67	8.00	3.33	0.18	540	580	DL @ rods moderate
1/21/2022		7	10	16.67	16.67	8.00	3.33	0.18	520	540	DL @ rods moderate
B107											
2/10/2022	10:28	4	15	25.01	25.01	12.00	5.00	0.27	600	800	
2/10/2022	10:32	6	15	25.01	25.01	12.00	5.00	0.27	820	860	
2/10/2022	10:36	8	15	25.01	25.01	12.00	5.00	0.27	880	880	
B108											
1/21/2022	16:21	5	8	13.34	13.34	6.40	2.67	0.14	480	480	DL 5ft W moderate
1/21/2022		7	2	3.33	3.33	1.60	0.67	0.04	440	460	DL 5ft W heavy
B109											
2/8/2022	16:33	4	10	16.67	16.67	8.00	3.33	0.18	400	400	DL MAJ 3FT NE
2/8/2022	16:33	6	5	8.34	8.34	4.00	1.67	0.09	400	400	DL SAA
2/8/2022	16:33	8	5	8.34	8.34	4.00	1.67	0.09	400	400	DL SAA
B110											
1/21/2022	16:37	5	3	5.00	5.00	2.40	1.00	0.05	540	580	DL 5ft W heavy
1/21/2022		7	12	20.00	20.00	9.60	4.00	0.22	580	800	DL 5ftW minor
B111											
2/9/2022	10:19	4	15	25.01	25.01	12.00	5.00	0.27	480	500	
2/9/2022	10:22	6	15	25.01	25.01	12.00	5.00	0.27	480	560	
2/9/2022	10:29	8	15	25.01	25.01	12.00	5.00	0.27	560	560	
B112											
2/12/2022	9:08	5	10	16.67	16.67	8.00	3.33	0.18	480	480	DL MAJ @Y34
2/12/2022	9:14	7	15	25.01	25.01	12.00	5.00	0.27	480	560	
B113											
2/11/2022	11:02	4	15	25.01	25.01	12.00	5.00	0.27	880	900	
2/11/2022	11:07	6	15	25.01	25.01	12.00	5.00	0.27	840	900	
2/11/2022	11:12	8	15	25.01	25.01	12.00	5.00	0.27	840	900	
B114											
2/9/2022	9:33	5	15	25.01	25.01	12.00	5.00	0.27	400	460	
2/9/2022	9:41	7	15	25.01	25.01	12.00	5.00	0.27	400	460	
B115											

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
2/9/2022	8:52	4	15	25.01	25.01	12.00	5.00	0.27	480	580	
2/9/2022	8:54	6	15	25.01	25.01	12.00	5.00	0.27	500	580	
2/9/2022	9:01	8	15	25.01	25.01	12.00	5.00	0.27	600	660	
B116											
2/9/2022	10:47	5	6	10.00	10.00	4.80	2.00	0.11	500	500	DL MAJ 3FT N
2/9/2022	10:51	7	4	6.67	6.67	3.20	1.33	0.07	500	500	DL SAA
B117											
2/1/2022	10:34	5	13	21.67	21.67	10.40	4.33	0.23	500	520	DL MAJ 5FT E
2/1/2022	10:43	7	2	3.33	3.33	1.60	0.67	0.04	500	520	DL SAA
B118											
1/26/2022	11:16	4	2	3.33	3.33	1.60	0.67	0.04	400	460	DL MAJ @RODS
1/26/2022	11:17	6	3	5.00	5.00	2.40	1.00	0.05	400	460	DL SAA
1/26/2022	11:22	8	15	25.01	25.01	12.00	5.00	0.27	500	880	DL MIN SAA
B119											
2/14/2022	14:36	4	15	25.01	25.01	12.00	5.00	0.27	920	920	
2/14/2022		6	15	25.01	25.01	12.00	5.00	0.27	880	880	
2/14/2022		8	15	25.01	25.01	12.00	5.00	0.27	400	860	
B120											
2/15/2022	8:42	5	15	25.01	25.01	12.00	5.00	0.27	820	880	
2/15/2022		7	15	25.01	25.01	12.00	5.00	0.27	820	880	
B121											
2/14/2022	13:37	4	15	25.01	25.01	12.00	5.00	0.27	720	860	
2/14/2022		6	10	16.67	16.67	8.00	3.33	0.18	800	920	DL MOD @Y24
2/14/2022		8	10	16.67	16.67	8.00	3.33	0.18	860	920	
B122											
2/15/2022	14:35	5	15	25.01	25.01	12.00	5.00	0.27	920	920	
2/15/2022		7	5	8.34	8.34	4.00	1.67	0.09	920	920	DL MAJ @RODS
B123											
2/15/2022	8:54	4	15	25.01	25.01	12.00	5.00	0.27	820	920	
2/15/2022		6	15	25.01	25.01	12.00	5.00	0.27	920	920	
2/15/2022		8	15	25.01	25.01	12.00	5.00	0.27	780	880	
B124											
2/14/2022	13:27	5	12	20.00	20.00	9.60	4.00	0.22	600	800	DL MAJ 10FT NW
2/14/2022		7	3	5.00	5.00	2.40	1.00	0.05	600	800	DL SAA
B125											
2/15/2022	14:58	4	15	25.01	25.01	12.00	5.00	0.27	860	920	
2/15/2022		6	15	25.01	25.01	12.00	5.00	0.27	920	920	DL MAJ @Y43
2/15/2022		8	15	25.01	25.01	12.00	5.00	0.27	920	920	
B126											
2/15/2022	9:08	5	15	25.01	25.01	12.00	5.00	0.27	520	780	
2/15/2022		7	15	25.01	25.01	12.00	5.00	0.27	760	920	DL MOD 2FT N
B127											
2/14/2022	13:19	4	15	25.01	25.01	12.00	5.00	0.27	700	920	
2/14/2022		6	10	16.67	16.67	8.00	3.33	0.18	600	800	DL MAJ 2FT N
2/14/2022		8	5	8.34	8.34	4.00	1.67	0.09	600	920	DL SAA
C01											
3/1/2022	10:48	5	10	16.67	16.67	8.00	3.33	0.18	400	420	DL MAJ 5FT E
3/1/2022	11:09	7	2	3.33	3.33	1.60	0.67	0.04	420	700	DL SAA
C02											
		4	0	0.00	0.00	0.00	0.00	0.00	0	0	
3/3/2022	14:44	6	10	16.67	16.67	8.00	3.33	0.18	280	360	DL MOD 3FT S
3/3/2022	14:47	8	15	25.01	25.01	12.00	5.00	0.27	300	520	
C03											
2/19/2022	11:28	5	10	16.67	16.67	8.00	3.33	0.18	280	280	DL MOD 4FT NW EDGE OF ROAD
2/19/2022	11:27	7	5	8.34	8.34	4.00	1.67	0.09	0	0	DL SAA
C04											
		4	0	0.00	0.00	0.00	0.00	0.00	0	0	
3/1/2022	9:47	6	15	25.01	25.01	12.00	5.00	0.27	220	900	
3/1/2022	10:06	8	15	25.01	25.01	12.00	5.00	0.27	800	800	DL MAJ 10FT S
C05											
3/3/2022	14:53	5	7	11.67	11.67	5.60	2.33	0.13	400	600	DL MAJ 1FT N
3/3/2022	14:57	7	3	5.00	5.00	2.40	1.00	0.05	400	600	DL SAA
C06											
		4	0	0.00	0.00	0.00	0.00	0.00	0	0	
2/19/2022	11:10	6	5	8.34	8.34	4.00	1.67	0.09	200	400	DL MOD 2FT S
2/19/2022	11:12	8	15	25.01	25.01	12.00	5.00	0.27	200	300	
C07											
3/1/2022	9:34	5	5	8.34	8.34	4.00	1.67	0.09	600	800	DL MAJ @RODS

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
3/1/2022	9:41	7	15	25.01	25.01	12.00	5.00	0.27	400	420	
C08											
		4	0	0.00	0.00	0.00	0.00	0.00	0	0	
3/3/2022	15:51	6	5	8.34	8.34	4.00	1.67	0.09	400	400	DL MAJ @RODS
3/3/2022	15:51	8	15	25.01	25.01	12.00	5.00	0.27	320	600	
C09											
2/19/2022	10:27	5	5	8.34	8.34	4.00	1.67	0.09	260	400	DL MAJ 5FT E
2/19/2022	10:30	7	15	25.01	25.01	12.00	5.00	0.27	180	280	
C10											
		4	0	0.00	0.00	0.00	0.00	0.00	0	0	
3/1/2022	9:17	6	5	8.34	8.34	4.00	1.67	0.09	320	320	DL MAJ @RODS
3/1/2022	9:19	8	10	16.67	16.67	8.00	3.33	0.18	320	320	DL MAJ 5FT E
C11											
3/3/2022	15:56	5	15	25.01	25.01	12.00	5.00	0.27	400	400	DL MAJ 8FT S
3/3/2022	15:59	7	15	25.01	25.01	12.00	5.00	0.27	400	400	
C12											
2/19/2022	10:16	6	15	25.01	25.01	12.00	5.00	0.27	200	240	DL MOD @RODS
2/19/2022	10:20	8	15	25.01	25.01	12.00	5.00	0.27	240	240	
C13											
2/23/2022	12:23	5	15	25.01	25.01	12.00	5.00	0.27	320	320	
2/23/2022	12:27	7	15	25.01	25.01	12.00	5.00	0.27	320	320	
C14											
3/3/2022	16:04	6	15	25.01	25.01	12.00	5.00	0.27	400	400	
3/3/2022	16:04	8	15	25.01	25.01	12.00	5.00	0.27	400	400	
C15											
2/23/2022	12:12	5	3	5.00	5.00	2.40	1.00	0.05	380	420	DL MAJ 2FT S
2/23/2022	12:13	7	15	25.01	25.01	12.00	5.00	0.27	380	420	
C16											
2/19/2022	9:56	6	15	25.01	25.01	12.00	5.00	0.27	200	240	DL MOD 2FT N
2/19/2022	9:59	8	7	11.67	11.67	5.60	2.33	0.13	200	300	DL SAA
C17											
3/3/2022	16:12	5	15	25.01	25.01	12.00	5.00	0.27	360	700	
3/3/2022	16:12	7	15	25.01	25.01	12.00	5.00	0.27	0	0	
C18											
2/23/2022	11:41	6	15	25.01	25.01	12.00	5.00	0.27	400	400	DL MAJ 1FT E
2/23/2022	11:44	8	15	25.01	25.01	12.00	5.00	0.27	420	600	
C19											
2/19/2022	9:21	5	3	5.00	5.00	2.40	1.00	0.05	200	300	
2/19/2022	9:24	7	15	25.01	25.01	12.00	5.00	0.27	200	200	
C20											
3/4/2022	8:20	6	5	8.34	8.34	4.00	1.67	0.09	420	480	DL MAJ 1FT S
3/4/2022	8:23	8	15	25.01	25.01	12.00	5.00	0.27	420	420	
C21											
2/23/2022	11:32	5	2	3.33	3.33	1.60	0.67	0.04	360	600	DL MAJ 1FT W
2/23/2022	11:36	7	15	25.01	25.01	12.00	5.00	0.27	360	480	
C22											
2/19/2022	9:11	6	15	25.01	25.01	12.00	5.00	0.27	200	280	
2/19/2022	9:15	8	15	25.01	25.01	12.00	5.00	0.27	200	200	
C23											
3/4/2022	8:28	5	5	8.34	8.34	4.00	1.67	0.09	420	420	DL MOD 2FT NW
3/4/2022	8:31	7	15	25.01	25.01	12.00	5.00	0.27	420	460	
C24											
2/23/2022	11:24	6	15	25.01	25.01	12.00	5.00	0.27	280	400	
2/23/2022	11:29	8	15	25.01	25.01	12.00	5.00	0.27	320	320	
C25											
2/19/2022	9:04	5	5	8.34	8.34	4.00	1.67	0.09	180	280	DL MOD 1FT E
2/19/2022	9:06	7	15	25.01	25.01	12.00	5.00	0.27	200	260	DL MOD SAA
C26											
3/4/2022	8:37	6	5	8.34	8.34	4.00	1.67	0.09	320	360	DL MAJ 3FT NE
3/4/2022	8:39	8	5	8.34	8.34	4.00	1.67	0.09	320	360	DL SAA
C27											
3/9/2022	13:00	5	5	8.34	8.34	4.00	1.67	0.09	200	320	DL MAJ 1FT N
2/23/2022	10:53	7	5	8.34	8.34	4.00	1.67	0.09	200	320	DL SAA
C28											
2/18/2022	16:36	6	15	25.01	25.01	12.00	5.00	0.27	180	280	DL MOD 5FT SE
2/18/2022	16:40	8	15	25.01	25.01	12.00	5.00	0.27	180	200	
C29											
3/4/2022	9:04	5	15	25.01	25.01	12.00	5.00	0.27	280	600	
3/4/2022	9:08	7	15	25.01	25.01	12.00	5.00	0.27	400	860	DL MAJ 10FT S
C30											

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Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
2/23/2022	10:40	6	12	20.00	20.00	9.60	4.00	0.22	200	420	DL MAJ 2FT E
2/23/2022	10:45	8	15	25.01	25.01	12.00	5.00	0.27	200	420	
C31											
2/18/2022	16:30	5	1	1.67	1.67	0.80	0.33	0.02	600	720	DL MOD @RODS
2/18/2022	16:37	7	15	25.01	25.01	12.00	5.00	0.27	200	400	
C32											
3/4/2022	9:18	6	5	8.34	8.34	4.00	1.67	0.09	420	460	
3/4/2022	9:18	8	2	3.33	3.33	1.60	0.67	0.04	800	800	DL SAA
C33											
2/23/2022	10:31	5	15	25.01	25.01	12.00	5.00	0.27	360	360	
2/23/2022	10:34	7	15	25.01	25.01	12.00	5.00	0.27	200	360	DL MIN 5FT SE
C34											
3/9/2022	13:31	4	5	8.34	8.34	4.00	1.67	0.09	300	360	DL MAJ 1FT SW
3/9/2022	13:30	6	10	16.67	16.67	8.00	3.33	0.18	600	620	DL MAJ @RODS
3/9/2022	13:32	8	10	16.67	16.67	8.00	3.33	0.18	320	320	
C35											
3/4/2022	15:50	5	10	16.67	16.67	8.00	3.33	0.18	720	920	DL MAJ 3FT NE
3/4/2022	15:52	7	3	5.00	5.00	2.40	1.00	0.05	800	920	DL SAA
C36											
2/22/2022	9:51	6	5	8.34	8.34	4.00	1.67	0.09	500	500	DL MAJ 1FT N
2/22/2022	9:54	8	15	25.01	25.01	12.00	5.00	0.27	360	360	
C37											
3/2/2022	16:33	5	5	8.34	8.34	4.00	1.67	0.09	300	560	DL MAJ 5FT S
3/2/2022	16:35	7	5	8.34	8.34	4.00	1.67	0.09	300	560	DL SAA
C38											
3/4/2022	15:58	6	2	3.33	3.33	1.60	0.67	0.04	680	720	DL MAJ @RODS
3/4/2022	16:01	8	15	25.01	25.01	12.00	5.00	0.27	520	640	DL MIN 2FT S
C39											
2/22/2022	9:37	5	15	25.01	25.01	12.00	5.00	0.27	300	400	
2/22/2022	9:42	7	15	25.01	25.01	12.00	5.00	0.27	320	600	
C40											
3/2/2022	16:40	6	5	8.34	8.34	4.00	1.67	0.09	420	600	DL MAJ 5FT NE
3/2/2022	16:44	8	15	25.01	25.01	12.00	5.00	0.27	400	600	
C41											
3/4/2022	16:07	5	5	8.34	8.34	4.00	1.67	0.09	220	360	DL MAJ 3FT SE
3/4/2022	16:10	7	15	25.01	25.01	12.00	5.00	0.27	320	420	
C42											
2/22/2022	8:47	6	15	25.01	25.01	12.00	5.00	0.27	300	320	
2/22/2022	8:53	8	15	25.01	25.01	12.00	5.00	0.27	360	400	
C43											
3/2/2022	15:46	5	15	25.01	25.01	12.00	5.00	0.27	280	400	
3/2/2022	15:56	7	15	25.01	25.01	12.00	5.00	0.27	320	600	
C44											
3/4/2022	16:46	6	10	16.67	16.67	8.00	3.33	0.18	420	480	DL MAJ 5FT SE
3/4/2022	16:49	8	15	25.01	25.01	12.00	5.00	0.27	320	460	DL MOD 1FT N
C45											
2/22/2022	8:39	5	15	25.01	25.01	12.00	5.00	0.27	200	720	
2/22/2022	8:42	7	15	25.01	25.01	12.00	5.00	0.27	200	400	
C46											
3/2/2022	15:37	6	15	25.01	25.01	12.00	5.00	0.27	300	380	DL MAJ 5FT E
3/2/2022	15:39	8	15	25.01	25.01	12.00	5.00	0.27	300	400	
C47											
3/4/2022	16:52	5	10	16.67	16.67	8.00	3.33	0.18	320	320	DL MAJ 5FT SE
3/4/2022	16:56	7	15	25.01	25.01	12.00	5.00	0.27	720	800	
C48											
2/22/2022	8:27	6	5	8.34	8.34	4.00	1.67	0.09	320	320	DL MAJ 2FT N
2/22/2022	8:31	8	15	25.01	25.01	12.00	5.00	0.27	360	400	
C49											
3/2/2022	15:29	5	10	16.67	16.67	8.00	3.33	0.18	300	380	DL MAJ 2FT S
3/2/2022	15:32	7	15	25.01	25.01	12.00	5.00	0.27	300	380	
C50											
		4	0	0.00	0.00	0.00	0.00	0.00	0	0	
3/5/2022	8:29	6	15	25.01	25.01	12.00	5.00	0.27	360	360	
3/5/2022	8:45	8	15	25.01	25.01	12.00	5.00	0.27	300	420	
C51											
2/21/2022	16:18	5	15	25.01	25.01	12.00	5.00	0.27	280	420	
2/21/2022	16:24	7	15	25.01	25.01	12.00	5.00	0.27	200	320	
C52											

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Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
3/2/2022	14:55	6	15	25.01	25.01	12.00	5.00	0.27	320	360	
3/2/2022	15:05	8	15	25.01	25.01	12.00	5.00	0.27	300	600	
C53											
3/5/2022	8:49	5	5	8.34	8.34	4.00	1.67	0.09	400	480	DL MAJ 1FT N
3/5/2022	8:52	7	15	25.01	25.01	12.00	5.00	0.27	320	480	
C54											
2/21/2022	16:10	6	10	16.67	16.67	8.00	3.33	0.18	320	420	DL MAJ 1FT N
2/21/2022	16:13	8	15	25.01	25.01	12.00	5.00	0.27	200	540	
C55											
3/2/2022	14:45	5	15	25.01	25.01	12.00	5.00	0.27	320	320	
3/2/2022	14:49	7	15	25.01	25.01	12.00	5.00	0.27	320	320	
C56											
3/5/2022	8:58	6	10	16.67	16.67	8.00	3.33	0.18	320	480	DL MAJ 2FT E
3/5/2022	9:02	8	5	8.34	8.34	4.00	1.67	0.09	360	480	DL SAA
C57											
2/21/2022	16:02	5	15	25.01	25.01	12.00	5.00	0.27	580	820	
2/21/2022	16:05	7	15	25.01	25.01	12.00	5.00	0.27	600	780	
C58											
3/2/2022	14:37	6	5	8.34	8.34	4.00	1.67	0.09	400	600	DL MAJ 5FT N
3/2/2022	14:40	8	10	16.67	16.67	8.00	3.33	0.18	400	600	DL SAA
C59											
3/5/2022	9:48	5	10	16.67	16.67	8.00	3.33	0.18	480	620	DL MAJ 5FT SW
3/5/2022	9:52	7	5	8.34	8.34	4.00	1.67	0.09	480	760	DL SAA
C60											
2/21/2022	15:31	6	15	25.01	25.01	12.00	5.00	0.27	200	680	DL MAJ 2FT SW
2/21/2022	15:34	8	15	25.01	25.01	12.00	5.00	0.27	280	680	
C61											
3/2/2022	13:50	5	15	25.01	25.01	12.00	5.00	0.27	300	580	
3/2/2022	13:57	7	15	25.01	25.01	12.00	5.00	0.27	200	380	
C62											
3/9/2022	13:09	4	18	30.01	30.01	14.40	6.00	0.32	640	720	DL MAJ 5FT S
3/5/2022	9:58	6	10	16.67	16.67	8.00	3.33	0.18	520	520	DL MAJ @RODS
3/15/2022	15:42	8	20	33.34	33.34	16.00	6.67	0.36	520	520	DL SAA
C63											
2/21/2022	15:22	5	3	5.00	5.00	2.40	1.00	0.05	380	420	DL MAJ 2FT E
2/21/2022	15:25	7	5	8.34	8.34	4.00	1.67	0.09	400	800	DL MAJ SAA
C64											
3/15/2022	15:46	4	10	16.67	16.67	8.00	3.33	0.18	640	640	
3/15/2022	15:45	6	15	25.01	25.01	12.00	5.00	0.27	400	800	DL MAJ @RODS
3/15/2022	15:52	8	25	41.68	41.68	20.00	8.33	0.45	420	420	
C65											
3/5/2022	10:06	5	5	8.34	8.34	4.00	1.67	0.09	520	520	DL MAJ @RODS
3/5/2022	10:10	7	15	25.01	25.01	12.00	5.00	0.27	0	0	
C66											
3/15/2022	16:12	4	10	16.67	16.67	8.00	3.33	0.18	580	620	
3/15/2022	15:38	6	5	8.34	8.34	4.00	1.67	0.09	320	360	DL MAJ 1FT S
3/15/2022	15:43	8	10	16.67	16.67	8.00	3.33	0.18	200	360	
C67											
3/2/2022	13:30	5	5	8.34	8.34	4.00	1.67	0.09	360	420	DL MAJ 3FT E
3/2/2022	13:34	7	15	25.01	25.01	12.00	5.00	0.27	380	380	
C68											
3/8/2022	14:47	4	10	16.67	16.67	8.00	3.33	0.18	200	420	DL MAJ 5FT NE
3/8/2022	14:49	6	5	8.34	8.34	4.00	1.67	0.09	480	620	DL SAA
3/8/2022	15:02	8	5	8.34	8.34	4.00	1.67	0.09	360	620	DL SAA
C69											
3/3/2022	13:48	5	1	1.67	1.67	0.80	0.33	0.02	600	600	DL MAJ 1FT SE
3/3/2022	13:51	7	1	1.67	1.67	0.80	0.33	0.02	600	600	DL SAA
C70											
2/23/2022	9:36	6	15	25.01	25.01	12.00	5.00	0.27	380	380	
2/23/2022	9:45	8	15	25.01	25.01	12.00	5.00	0.27	380	380	
C71											
3/3/2022	13:55	5	3	5.00	5.00	2.40	1.00	0.05	360	420	DL MAJ 3FT N
3/3/2022	13:57	7	15	25.01	25.01	12.00	5.00	0.27	360	420	
C72											
3/9/2022	11:29	4	3	5.00	5.00	2.40	1.00	0.05	320	320	DL MAJ @RODS
3/9/2022	11:28	6	4	6.67	6.67	3.20	1.33	0.07	360	420	DL SAA
2/18/2022	10:05	8	0	0.00	0.00	0.00	0.00	0.00	0	0	

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Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
C73											
3/3/2022	14:06	5	15	25.01	25.01	12.00	5.00	0.27	380	420	
3/3/2022	14:39	7	15	25.01	25.01	12.00	5.00	0.27	380	680	
C74											
2/23/2022	9:53	6	15	25.01	25.01	12.00	5.00	0.27	280	600	
2/23/2022	9:59	8	15	25.01	25.01	12.00	5.00	0.27	360	800	
C75											
3/9/2022	10:56	5	3	5.00	5.00	2.40	1.00	0.05	420	480	DL MAJ @RODS
3/9/2022	10:56	7	15	25.01	25.01	12.00	5.00	0.27	220	320	DL SAA
C76											
3/3/2022	11:48	6	15	25.01	25.01	12.00	5.00	0.27	200	720	
3/3/2022	11:53	8	15	25.01	25.01	12.00	5.00	0.27	200	280	
C77											
2/23/2022	8:58	5	1	1.67	1.67	0.80	0.33	0.02	280	400	DL MAJ 1FT E
2/23/2022	9:01	7	15	25.01	25.01	12.00	5.00	0.27	320	360	
C78											
2/18/2022	9:04	4	15	25.01	25.01	12.00	5.00	0.27	640	680	
2/18/2022	9:54	6	15	25.01	25.01	12.00	5.00	0.27	640	680	
C79											
3/3/2022	11:31	5	15	25.01	25.01	12.00	5.00	0.27	280	320	
3/3/2022	11:34	7	15	25.01	25.01	12.00	5.00	0.27	200	320	
C80											
2/23/2022	8:47	6	15	25.01	25.01	12.00	5.00	0.27	280	320	
2/23/2022	8:53	8	15	25.01	25.01	12.00	5.00	0.27	280	400	
C81											
2/18/2022	8:57	5	15	25.01	25.01	12.00	5.00	0.27	480	520	
2/18/2022	9:00	7	15	25.01	25.01	12.00	5.00	0.27	480	520	
C82											
3/3/2022	11:21	6	15	25.01	25.01	12.00	5.00	0.27	400	400	
3/3/2022	11:22	8	15	25.01	25.01	12.00	5.00	0.27	0	0	
C83											
2/23/2022	8:34	5	15	25.01	25.01	12.00	5.00	0.27	300	300	
2/23/2022	8:42	7	15	25.01	25.01	12.00	5.00	0.27	420	480	
C84											
2/18/2022	8:47	4	15	25.01	25.01	12.00	5.00	0.27	580	580	
2/18/2022	8:49	6	15	25.01	25.01	12.00	5.00	0.27	640	920	
C85											
3/3/2022	10:14	5	5	8.34	8.34	4.00	1.67	0.09	920	920	DL MAJ 3FT N
3/3/2022	10:18	7	15	25.01	25.01	12.00	5.00	0.27	800	920	
C86											
2/22/2022	16:07	6	15	25.01	25.01	12.00	5.00	0.27	200	300	
2/22/2022	16:13	8	15	25.01	25.01	12.00	5.00	0.27	360	360	
C87											
2/17/2022	16:25	5	15	25.01	25.01	12.00	5.00	0.27	380	520	
2/17/2022	16:30	7	15	25.01	25.01	12.00	5.00	0.27	500	280	
C88											
3/3/2022	10:05	6	15	25.01	25.01	12.00	5.00	0.27	280	400	
3/3/2022	10:06	8	15	25.01	25.01	12.00	5.00	0.27	0	0	
C89											
2/22/2022	15:54	5	15	25.01	25.01	12.00	5.00	0.27	360	360	
2/22/2022	16:01	7	15	25.01	25.01	12.00	5.00	0.27	360	360	
C90											
2/17/2022	16:12	4	5	8.34	8.34	4.00	1.67	0.09	480	540	DL MAJ @RODS
2/17/2022	16:14	6	15	25.01	25.01	12.00	5.00	0.27	280	520	
C91											
3/3/2022	9:57	5	15	25.01	25.01	12.00	5.00	0.27	280	320	
3/3/2022	10:03	7	15	25.01	25.01	12.00	5.00	0.27	400	520	
C92											
2/22/2022	15:41	6	15	25.01	25.01	12.00	5.00	0.27	360	420	
2/22/2022	15:49	8	15	25.01	25.01	12.00	5.00	0.27	360	400	
C93											
2/17/2022	16:06	5	15	25.01	25.01	12.00	5.00	0.27	680	400	DL MAJ 1FT W
2/17/2022	16:08	7	5	8.34	8.34	4.00	1.67	0.09	500	500	
C94											
3/3/2022	9:17	6	15	25.01	25.01	12.00	5.00	0.27	420	600	
3/3/2022	9:18	8	15	25.01	25.01	12.00	5.00	0.27	420	600	
C95											

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Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
2/22/2022	15:12	5	15	25.01	25.01	12.00	5.00	0.27	300	480	
2/22/2022	15:15	7	15	25.01	25.01	12.00	5.00	0.27	300	300	
C96											
2/17/2022	15:24	4	15	25.01	25.01	12.00	5.00	0.27	520	800	DL MAJ 10FT W
2/17/2022	15:26	6	15	25.01	25.01	12.00	5.00	0.27	300	620	
		8	0	0.00	0.00	0.00	0.00	0.00	0	0	
C97											
3/3/2022	8:55	5	5	8.34	8.34	4.00	1.67	0.09	400	520	DL MAJ 5FT NE
3/3/2022	8:59	7	15	25.01	25.01	12.00	5.00	0.27	380	380	
C98											
2/22/2022	15:04	6	15	25.01	25.01	12.00	5.00	0.27	360	420	
2/22/2022	15:08	8	15	25.01	25.01	12.00	5.00	0.27	400	400	
C99											
2/17/2022	15:15	5	15	25.01	25.01	12.00	5.00	0.27	500	780	
2/17/2022	15:19	7	15	25.01	25.01	12.00	5.00	0.27	420	580	
C100											
3/3/2022	8:48	6	15	25.01	25.01	12.00	5.00	0.27	320	380	
3/3/2022	8:50	8	15	25.01	25.01	12.00	5.00	0.27	400	400	
C101											
2/22/2022	14:57	5	15	25.01	25.01	12.00	5.00	0.27	260	600	DL MAJ 1FT NE
2/22/2022	15:00	7	15	25.01	25.01	12.00	5.00	0.27	400	440	
C102											
2/17/2022	15:11	4	15	25.01	25.01	12.00	5.00	0.27	800	800	
2/17/2022	15:34	6	5	8.34	8.34	4.00	1.67	0.09	800	800	DL MOD 5FT E
2/17/2022	15:12	8	15	25.01	25.01	12.00	5.00	0.27	800	800	
C103											
3/1/2022	15:22	5	15	25.01	25.01	12.00	5.00	0.27	380	420	DL MAJ 5FT NW
3/1/2022	15:23	7	5	8.34	8.34	4.00	1.67	0.09	380	420	DL MAJ SAA
C104											
2/21/2022	14:31	6	15	25.01	25.01	12.00	5.00	0.27	320	360	DL MAJ 5FT W
2/21/2022	14:33	8	15	25.01	25.01	12.00	5.00	0.27	320	360	
C105											
3/7/2022	16:50	5	5	8.34	8.34	4.00	1.67	0.09	900	900	DL MAJ 3FT NW
3/7/2022	16:52	7	15	25.01	25.01	12.00	5.00	0.27	900	900	DL MOD SAA
C106											
3/1/2022	15:30	6	15	25.01	25.01	12.00	5.00	0.27	380	380	
3/1/2022	15:35	8	15	25.01	25.01	12.00	5.00	0.27	320	320	
C107											
2/21/2022	14:39	5	2	3.33	3.33	1.60	0.67	0.04	320	360	DL MAJ @RODS
2/21/2022	14:42	7	15	25.01	25.01	12.00	5.00	0.27	320	360	
C108											
3/15/2022	10:36	4	15	25.01	25.01	12.00	5.00	0.27	880	880	
3/15/2022	10:35	6	20	33.34	33.34	16.00	6.67	0.36	200	420	
3/15/2022	10:35	8	30	50.01	50.01	24.00	10.00	0.54	200	420	RW-6 ROSE 0.25FT
C109											
3/1/2022	15:08	5	15	25.01	25.01	12.00	5.00	0.27	320	320	
3/1/2022	15:08	7	15	25.01	25.01	12.00	5.00	0.27	320	320	
C110											
3/8/2022	13:43	4	15	25.01	25.01	12.00	5.00	0.27	240	240	
3/8/2022	14:32	6	15	25.76	25.01	12.00	5.00	0.27	320	360	DL MOD 2FT S, RW-6 ROSE 1FT
2/21/2022	14:00	8	15	25.01	25.01	12.00	5.00	0.27	360	520	
C111											
3/7/2022	14:04	5	15	25.01	25.01	12.00	5.00	0.27	980	980	
3/7/2022	14:07	7	15	25.01	25.01	12.00	5.00	0.27	820	980	
C112											
3/1/2022	15:32	6	15	25.01	25.01	12.00	5.00	0.27	320	920	
3/1/2022	15:33	8	15	25.01	25.01	12.00	5.00	0.27	320	320	
C113											
2/21/2022	13:44	5	15	25.01	25.01	12.00	5.00	0.27	180	320	
2/21/2022	13:53	7	15	25.01	25.01	12.00	5.00	0.27	320	360	
C114											
3/7/2022	13:53	6	15	25.01	25.01	12.00	5.00	0.27	980	980	
3/7/2022	13:57	8	15	25.01	25.01	12.00	5.00	0.27	800	980	
C115											
3/1/2022	15:38	5	15	25.01	25.01	12.00	5.00	0.27	360	720	
3/1/2022	15:37	7	15	25.01	25.01	12.00	5.00	0.27	480	480	
C116											
2/21/2022	13:34	6	15	25.01	25.01	12.00	5.00	0.27	320	320	DL MIN 2FT N

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Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
2/21/2022	13:38	8	15	25.01	25.01	12.00	5.00	0.27	420	720	DL MIN SAA
C117											
3/7/2022	13:41	5	15	25.01	25.01	12.00	5.00	0.27	380	480	DL MAJ 5FT SE
3/7/2022	13:44	7	15	25.01	25.01	12.00	5.00	0.27	380	520	
C118											
3/1/2022	15:39	6	15	25.01	25.01	12.00	5.00	0.27	380	420	
3/1/2022	15:40	8	15	25.01	25.01	12.00	5.00	0.27	400	420	
C119											
3/8/2022	11:36	5	25	41.68	41.68	20.00	8.33	0.45	320	360	
3/8/2022	11:39	7	25	41.68	41.68	20.00	8.33	0.45	320	360	
C120											
		4	0	0.00	0.00	0.00	0.00	0.00	0	0	
3/7/2022	11:36	6	12	20.00	20.00	9.60	4.00	0.22	200	200	DL MAJ 3FT SE
3/7/2022	11:38	8	8	13.34	13.34	6.40	2.67	0.14	200	200	DL SAA
C121											
3/1/2022	15:43	5	10	16.67	16.67	8.00	3.33	0.18	360	800	DL MAJ 3FT NW
3/1/2022	15:43	7	15	25.01	25.01	12.00	5.00	0.27	720	760	
C122											
		4	0	0.00	0.00	0.00	0.00	0.00	0	0	
2/21/2022	12:04	6	15	25.01	25.01	12.00	5.00	0.27	320	360	
2/21/2022	12:11	8	15	25.01	25.01	12.00	5.00	0.27	200	360	
C123											
3/7/2022	11:28	5	5	8.34	8.34	4.00	1.67	0.09	320	600	DL MAJ 2FT NE
3/7/2022	11:31	7	15	25.01	25.01	12.00	5.00	0.27	600	800	
C124											
3/1/2022	15:45	6	15	25.01	25.01	12.00	5.00	0.27	360	620	
3/1/2022	15:45	8	15	25.01	25.01	12.00	5.00	0.27	360	420	
C125											
2/21/2022	11:54	5	15	25.01	25.01	12.00	5.00	0.27	300	500	
2/21/2022	11:59	7	15	25.01	25.01	12.00	5.00	0.27	800	820	DL MOD @RODS
C126											
3/7/2022	11:21	6	15	25.01	25.01	12.00	5.00	0.27	600	720	
3/7/2022	11:25	8	15	25.01	25.01	12.00	5.00	0.27	480	680	
C127											
3/1/2022	15:47	5	5	8.34	8.34	4.00	1.67	0.09	420	480	DL MAJ 2FT N
3/1/2022	15:47	7	15	25.01	25.01	12.00	5.00	0.27	520	520	
C128											
2/21/2022	11:20	6	15	25.01	25.01	12.00	5.00	0.27	0	880	DL MOD 5FT W
2/21/2022	11:23	8	15	25.01	25.01	12.00	5.00	0.27	320	420	
C129											
3/7/2022	10:32	5	5	8.34	8.34	4.00	1.67	0.09	480	600	DL MAJ 3FT E
3/7/2022	10:37	7	5	8.34	8.34	4.00	1.67	0.09	480	380	DL SAA
C130											
3/1/2022	15:49	6	1	1.67	1.67	0.80	0.33	0.02	720	760	DL MAJ @RODS
3/1/2022	15:49	8	15	25.01	25.01	12.00	5.00	0.27	720	760	
C131											
2/21/2022	11:12	5	15	25.01	25.01	12.00	5.00	0.27	280	360	DL MOD 15FT S
2/21/2022	11:15	7	15	25.01	25.01	12.00	5.00	0.27	280	360	
C132											
3/7/2022	10:13	6	15	25.01	25.01	12.00	5.00	0.27	600	720	
3/7/2022	10:18	8	15	25.01	25.01	12.00	5.00	0.27	920	920	DL MAJ 6FT NE
C133											
3/8/2022	15:10	5	10	16.67	16.67	8.00	3.33	0.18	720	720	DL MAJ 2FT E
3/8/2022	15:11	7	15	25.01	25.01	12.00	5.00	0.27	920	920	DL SAA
C134											
3/9/2022	9:19	4	5	8.34	8.34	4.00	1.67	0.09	320	320	DL MAJ 3FT W
3/9/2022	9:20	6	7	11.67	11.67	5.60	2.33	0.13	0	0	DL MAJ 1FT W
2/21/2022	11:07	8	15	25.01	25.01	12.00	5.00	0.27	580	580	RW-8 ROSE 3FT
C135											
3/7/2022	10:03	5	5	8.34	8.34	4.00	1.67	0.09	420	480	DL MAJ @RODS
3/7/2022	10:05	7	10	16.67	16.67	8.00	3.33	0.18	380	480	DL MAJ 5FT E
C136											
3/8/2022	15:00	4	2	3.33	3.33	1.60	0.67	0.04	300	400	DL MAJ 2FT SE
3/8/2022	15:04	6	3	5.00	5.00	2.40	1.00	0.05	300	400	DL SAA
3/8/2022	15:04	8	15	25.01	25.01	12.00	5.00	0.27	300	400	
C137											
3/4/2022	14:57	5	5	8.34	8.34	4.00	1.67	0.09	480	480	DL MAJ 3FT NW
3/4/2022	15:00	7	15	25.01	25.01	12.00	5.00	0.27	480	480	
C138											
3/4/2022	15:08	6	15	25.01	25.01	12.00	5.00	0.27	360	480	

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
3/4/2022	15:10	8	15	25.01	25.01	12.00	5.00	0.27	360	480	
C139											
2/22/2022	14:06	5	15	25.01	25.01	12.00	5.00	0.27	260	500	
2/22/2022	14:43	7	15	25.01	25.01	12.00	5.00	0.27	260	500	
C140											
2/18/2022	14:59	6	15	25.01	25.01	12.00	5.00	0.27	320	480	
2/18/2022	15:08	8	15	25.01	25.01	12.00	5.00	0.27	320	480	
C141											
3/4/2022	14:06	5	15	25.01	25.01	12.00	5.00	0.27	400	400	
3/4/2022	14:14	7	15	25.01	25.01	12.00	5.00	0.27	380	380	
C142											
2/22/2022	13:54	6	15	25.01	25.01	12.00	5.00	0.27	300	300	
2/22/2022	14:01	8	15	25.01	25.01	12.00	5.00	0.27	280	600	RW-6 ROSE 0.25FT
C143											
3/9/2022	11:37	5	16	26.67	26.67	12.80	5.33	0.29	400	480	DL MAJ @RODS
3/9/2022	11:39	7	17	28.34	28.34	13.60	5.67	0.31	860	920	DL MAJ @RODS
C144											
3/8/2022	13:24	4	15	25.01	25.01	12.00	5.00	0.27	200	420	
3/8/2022	13:26	6	15	25.01	25.01	12.00	5.00	0.27	800	920	DL MAJ @RODS
3/8/2022	13:29	8	18	30.01	30.01	14.40	6.00	0.32	960	960	DL MAJ 5FT N
C145											
3/15/2022	10:02	5	25	41.68	41.68	20.00	8.33	0.45	400	400	DL MAJ 1FT E
3/15/2022	10:10	7	30	50.01	50.01	24.00	10.00	0.54	400	880	DL MAJ SAA, RW-6 ROSE 0.5FT
C146											
2/18/2022	13:49	6	15	25.01	25.01	12.00	5.00	0.27	360	400	
2/18/2022	13:53	8	15	25.01	25.01	12.00	5.00	0.27	400	480	
C147											
3/4/2022	13:49	5	15	25.01	25.01	12.00	5.00	0.27	380	380	DL MAJ 10FT E (IN ROAD)
3/4/2022	13:50	7	7	11.67	11.67	5.60	2.33	0.13	480	520	
C148											
2/22/2022	13:07	6	15	25.01	25.01	12.00	5.00	0.27	300	800	DL MAJ 10FT N
2/22/2022	13:09	8	15	25.01	25.01	12.00	5.00	0.27	300	300	
C149											
2/18/2022	13:37	5	15	25.01	25.01	12.00	5.00	0.27	320	480	
2/18/2022	13:41	7	15	25.01	25.01	12.00	5.00	0.27	380	420	
C150											
3/4/2022	11:41	6	15	25.01	25.01	12.00	5.00	0.27	180	400	
3/4/2022	11:48	8	15	25.01	25.01	12.00	5.00	0.27	180	400	DL MAJ 10FT NE
C151											
2/22/2022	12:57	5	15	25.01	25.01	12.00	5.00	0.27	300	300	
2/22/2022	13:03	7	15	25.01	25.01	12.00	5.00	0.27	300	300	RW-9 ROSE 1.25FT
C152											
3/9/2022	10:31	4	15	25.01	25.01	12.00	5.00	0.27	360	360	DL MAJ 10FT NE
3/9/2022	10:31	6	15	25.01	25.01	12.00	5.00	0.27	480	520	
3/9/2022	10:34	8	10	16.67	16.67	8.00	3.33	0.18	480	520	
C153											
3/4/2022	11:32	5	15	25.01	25.01	12.00	5.00	0.27	380	420	
3/9/2022	10:42	7	13	21.67	21.67	10.40	4.33	0.23	420	800	DL MAJ 10FT NW
C154											
3/15/2022	11:10	4	5	8.34	8.34	4.00	1.67	0.09	880	880	DL MAJ 5FT N
3/15/2022	11:12	6	18	30.01	30.01	14.40	6.00	0.32	360	500	DL MAJ 10FT N
3/15/2022	11:15	8	25	41.68	41.68	20.00	8.33	0.45	200	320	
C155											
2/18/2022	11:53	5	15	25.01	25.01	12.00	5.00	0.27	540	620	DL MAJ 5FT NW
2/18/2022	11:57	7	10	16.67	16.67	8.00	3.33	0.18	380	580	DL SAA
C156											
3/4/2022	11:30	6	10	16.67	16.67	8.00	3.33	0.18	380	420	DL MAJ 3FT W
3/4/2022	11:30	8	7	11.67	11.67	5.60	2.33	0.13	380	420	DL SAA
C157											
2/22/2022	11:25	5	15	25.01	25.01	12.00	5.00	0.27	280	320	
2/22/2022	11:29	7	15	25.01	25.01	12.00	5.00	0.27	680	800	
C158											
2/18/2022	11:43	6	10	16.67	16.67	8.00	3.33	0.18	480	620	DL MOD 5FT NW
2/18/2022	11:47	8	15	25.01	25.01	12.00	5.00	0.27	580	620	
C159											
3/8/2022	16:00	5	20	33.34	33.34	16.00	6.67	0.36	380	420	DL MAJ 5FT W
3/8/2022	16:06	7	16	26.67	26.67	12.80	5.33	0.29	380	420	DL SAA
C160											
3/8/2022	11:26	4	6	10.00	10.00	4.80	2.00	0.11	800	800	DL MAJ 5FT SW
3/8/2022	11:27	6	18	30.01	30.01	14.40	6.00	0.32	200	280	

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Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
3/8/2022	11:29	8	25	41.68	41.68	20.00	8.33	0.45	800	800	MW-6 ROSE 0.25FT
C161											
3/8/2022	16:09	5	15	25.01	25.01	12.00	5.00	0.27	520	600	DL MAJ 1FT S
3/9/2022	8:53	7	15	25.01	25.01	12.00	5.00	0.27	580	780	
C162											
3/8/2022	11:12	4	5	8.34	8.34	4.00	1.67	0.09	420	420	DL MAJ 5FT W
3/4/2022	10:32	6	18	30.01	30.01	14.40	6.00	0.32	380	480	
3/8/2022	11:15	8	27	45.01	45.01	21.60	9.00	0.49	320	380	
C163											
3/15/2022	13:57	5	15	25.01	25.01	12.00	5.00	0.27	320	360	DL MAJ 3FT SE
3/15/2022	14:00	7	25	41.68	41.68	20.00	8.33	0.45	320	360	RW-5 ROSE 0.25FT
C164											
2/18/2022	10:57	4	5	8.34	8.34	4.00	1.67	0.09	420	580	DL MOD 5FT SE
2/18/2022	10:58	6	5	8.34	8.34	4.00	1.67	0.09	420	580	DL SAA
C165											
3/4/2022	10:25	5	5	8.34	8.34	4.00	1.67	0.09	420	480	DL MAJ 1FT W
3/4/2022	10:27	7	5	8.34	8.34	4.00	1.67	0.09	420	480	DL SAA
C166											
3/15/2022	14:42	4	5	8.34	8.34	4.00	1.67	0.09	760	760	DL
2/22/2022	10:30	6	6	10.00	10.00	4.80	2.00	0.11	320	400	DL MAJ @RODS
3/15/2022	14:44	8	20	33.34	33.34	16.00	6.67	0.36	320	360	
C167											
2/18/2022	10:51	5	20	33.34	33.34	16.00	6.67	0.36	280	620	
3/9/2022	9:05	7	20	33.34	33.34	16.00	6.67	0.36	280	580	DL MOD @C169
C168											
3/15/2022	14:48	4	15	25.01	25.01	12.00	5.00	0.27	200	200	DL MAJ 5FT N
3/15/2022	14:50	6	20	33.34	33.34	16.00	6.67	0.36	320	380	DL MAJ 5FT NW
3/8/2022	10:14	8	15	25.01	25.01	12.00	5.00	0.27	320	380	DL MAJ 5FT SW, RW-8 ROSE 0.25FT
C169											
3/9/2022	9:10	5	10	16.67	16.67	8.00	3.33	0.18	400	400	DL MAJ 3FT N
2/22/2022	10:25	7	15	25.01	25.01	12.00	5.00	0.27	420	500	RW-8 ROSE 0.1FT
C170											
2/18/2022	10:41	4	15	25.01	25.01	12.00	5.00	0.27	200	520	
2/18/2022	10:46	6	10	16.67	16.67	8.00	3.33	0.18	200	520	DL MOD 10FT SW
2/18/2022	10:47	8	5	8.34	8.34	4.00	1.67	0.09	520	800	DL SAA
C171											
3/2/2022	12:01	5	3	5.00	5.00	2.40	1.00	0.05	500	520	DL MAJ @RODS
3/2/2022	12:03	7	7	11.67	11.67	5.60	2.33	0.13	0	0	DL SAA
C172											
2/21/2022	10:13	6	15	25.01	25.01	12.00	5.00	0.27	280	300	
2/21/2022	10:58	8	15	25.01	25.01	12.00	5.00	0.27	280	300	
C173											
3/7/2022	15:56	5	15	25.01	25.01	12.00	5.00	0.27	400	480	
3/7/2022	15:59	7	15	25.01	25.01	12.00	5.00	0.27	820	820	
C174											
3/2/2022	11:55	6	13	21.67	21.67	10.40	4.33	0.23	520	600	DL MAJ 1FT NE
3/2/2022	11:57	8	15	25.01	25.01	12.00	5.00	0.27	0	0	
C175											
2/21/2022	9:53	5	2	3.33	3.33	1.60	0.67	0.04	340	360	DL MAJ 1FT W
2/21/2022	10:08	7	3	5.00	5.00	2.40	1.00	0.05	920	920	DL SAA
C176											
3/7/2022	16:08	6	5	8.34	8.34	4.00	1.67	0.09	980	980	DL MAJ @RODS
3/7/2022	16:13	8	15	25.01	25.01	12.00	5.00	0.27	620	800	
C177											
3/15/2022	10:17	5	7	11.67	11.67	5.60	2.33	0.13	400	500	DL MAJ 1FT N
3/15/2022	10:27	7	20	33.34	33.34	16.00	6.67	0.36	480	920	RW-6 ROSE 0.25FT
C178											
2/21/2022	9:44	6	15	25.01	25.01	12.00	5.00	0.27	340	360	
2/21/2022	9:47	8	15	25.01	25.01	12.00	5.00	0.27	340	360	
C179											
3/7/2022	15:08	5	5	8.34	8.34	4.00	1.67	0.09	480	620	DL MAJ 2FT
3/7/2022	15:11	7	15	25.01	25.01	12.00	5.00	0.27	620	800	
C180											
3/2/2022	11:08	6	15	25.01	25.01	12.00	5.00	0.27	400	500	
3/2/2022	11:11	8	15	25.01	25.01	12.00	5.00	0.27	400	500	
C181											
2/21/2022	9:06	5	10	16.67	16.67	8.00	3.33	0.18	300	460	DL MOD 4FT SW
2/21/2022	9:09	7	15	25.01	25.01	12.00	5.00	0.27	340	360	
C182											
3/7/2022	14:58	6	15	25.01	25.01	12.00	5.00	0.27	200	420	

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3/7/2022	15:05	8	15	25.01	25.01	12.00	5.00	0.27	520	520	
C183											
3/2/2022	11:00	5	15	25.01	25.01	12.00	5.00	0.27	400	480	DL MAJ 5FT SW
3/2/2022	11:03	7	15	25.01	25.01	12.00	5.00	0.27	400	500	
C184											
2/21/2022	8:55	6	15	25.01	25.01	12.00	5.00	0.27	320	320	
2/21/2022	9:00	8	15	25.01	25.01	12.00	5.00	0.27	320	360	DL MOD 3FT SW
C185											
3/7/2022	14:51	5	15	25.01	25.01	12.00	5.00	0.27	360	420	
3/7/2022	14:53	7	15	25.01	25.01	12.00	5.00	0.27	720	760	
C186											
3/15/2022	11:22	4	15	25.01	25.01	12.00	5.00	0.27	580	760	DL MAJ 5FT NW
3/15/2022	11:22	6	22	36.67	36.67	17.60	7.33	0.40	400	480	
3/15/2022	11:26	8	20	33.34	33.34	16.00	6.67	0.36	400	480	RW-9 ROSE 0.25FT
C187											
3/15/2022	11:32	5	15	25.01	25.01	12.00	5.00	0.27	280	400	DL MOD 1FT N
3/15/2022	11:35	7	10	16.67	16.67	8.00	3.33	0.18	280	420	DL MOD SAA
C188											
3/5/2022	12:38	6	15	25.01	25.01	12.00	5.00	0.27	280	320	
3/5/2022	12:45	8	15	25.01	25.01	12.00	5.00	0.27	280	800	
C189											
3/2/2022	10:23	5	10	16.67	16.67	8.00	3.33	0.18	400	400	DL MAJ 20FT NE
3/2/2022	10:26	7	5	8.34	8.34	4.00	1.67	0.09	400	400	DL SAA
C190											
2/19/2022	13:05	6	15	25.01	25.01	12.00	5.00	0.27	360	360	DL MOD 10FT NE
2/19/2022	13:07	8	15	25.01	25.01	12.00	5.00	0.27	320	320	
C191											
3/5/2022	12:31	5	7	11.67	11.67	5.60	2.33	0.13	520	800	DL MAJ @RODS
3/5/2022	12:32	7	15	25.01	25.01	12.00	5.00	0.27	300	920	
C192											
3/2/2022	10:13	6	15	25.01	25.01	12.00	5.00	0.27	420	420	
3/2/2022	10:18	8	15	25.01	25.01	12.00	5.00	0.27	400	400	
C193											
2/19/2022	12:55	5	5	8.34	8.34	4.00	1.67	0.09	360	360	DL MOD @RODS
2/19/2022	13:00	7	15	25.01	25.01	12.00	5.00	0.27	360	360	MW-6 ROSE 0.5FT
C194											
3/8/2022	9:37	6	18	30.01	30.01	14.40	6.00	0.32	480	480	DL MAJ @RODS
3/8/2022	9:40	8	25	41.68	41.68	20.00	8.33	0.45	920	920	
C195											
3/15/2022	13:44	5	25	41.68	41.68	20.00	8.33	0.45	820	820	DL MOD 3FT E
3/15/2022	13:48	7	25	41.68	41.68	20.00	8.33	0.45	360	520	RW-5 ROSE 0.05FT
C196											
3/8/2022	15:52	4	15	25.01	25.01	12.00	5.00	0.27	360	360	
3/8/2022	15:54	6	25	41.68	41.68	20.00	8.33	0.45	320	320	DL MOD 5FT E
3/8/2022	15:56	8	25	41.68	41.68	20.00	8.33	0.45	340	500	
C197											
3/5/2022	11:54	5	20	33.34	33.34	16.00	6.67	0.36	600	800	DL MAJ 3FT SW
3/8/2022	9:50	7	30	50.01	50.01	24.00	10.00	0.54	600	800	
C198											
3/15/2022	13:30	4	10	16.67	16.67	8.00	3.33	0.18	860	860	DL MAJ 4FT S
3/15/2022	13:34	6	10	16.67	16.67	8.00	3.33	0.18	420	480	DL MAJ 2FT N, RW-5 ROSE 0.1FT
3/15/2022	13:39	8	23	38.34	38.34	18.40	7.67	0.41	520	520	DL SAA, RW-5 ROSE 1FT
C199											
2/19/2022	12:13	5	1	1.67	1.67	0.80	0.33	0.02	360	360	DL MOD @RODS
2/19/2022	12:14	7	15	25.01	25.01	12.00	5.00	0.27	360	360	
C200											
3/5/2022	11:39	6	15	25.01	25.01	12.00	5.00	0.27	320	420	DL MOD 4FT SE
3/5/2022	11:41	8	15	25.01	25.01	12.00	5.00	0.27	320	420	
C201											
3/1/2022	16:21	5	15	25.01	25.01	12.00	5.00	0.27	360	420	
3/1/2022	16:25	7	15	25.01	25.01	12.00	5.00	0.27	420	480	
C202											
2/19/2022	12:04	6	15	25.01	25.01	12.00	5.00	0.27	220	320	DL MAJ 10FT N
2/19/2022	12:06	8	15	25.01	25.01	12.00	5.00	0.27	280	360	
C203											
3/15/2022	14:32	5	15	25.01	25.01	12.00	5.00	0.27	360	420	DL MAJ 10FT W
3/15/2022	14:36	7	15	25.01	25.01	12.00	5.00	0.27	320	380	DL SAA DL
C204											
3/1/2022	16:02	6	15	25.01	25.01	12.00	5.00	0.27	520	520	
3/1/2022	16:17	8	15	25.01	25.01	12.00	5.00	0.27	380	520	

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C205											
2/19/2022	11:53	5	5	8.34	8.34	4.00	1.67	0.09	220	280	DL MOD 5FT E
2/19/2022	11:57	7	15	25.01	25.01	12.00	5.00	0.27	280	380	DL MIN SAA
D01											
1/20/2022	9:45	5	15	25.01	22.50	15.00	7.50	0.60	520	520	
1/20/2022		7	15	25.01	22.50	15.00	7.50	0.60	520	600	DL @rod
1/20/2022		9	15	25.01	22.50	15.00	7.50	0.60	420	480	
D02											
1/27/2022	15:17	4	15	25.01	22.50	15.00	7.50	0.60	540	580	
1/27/2022	15:20	6	15	25.01	22.50	15.00	7.50	0.60	540	580	DL MIN @D04
1/27/2022	15:26	8	15	25.01	22.50	15.00	7.50	0.60	540	580	DL MIN @D04
1/27/2022	15:28	10	15	25.01	22.50	15.00	7.50	0.60	540	580	
D03											
1/20/2022	9:53	5	15	25.01	22.50	15.00	7.50	0.60	380	380	
1/20/2022		7	15	25.01	22.50	15.00	7.50	0.60	420	660	
1/20/2022		9	15	25.01	22.50	15.00	7.50	0.60	380	380	
D04											
1/27/2022	14:26	4	15	25.01	22.50	15.00	7.50	0.60	480	540	
1/27/2022	14:26	6	15	25.01	22.50	15.00	7.50	0.60	480	480	
1/27/2022	14:33	8	15	25.01	22.50	15.00	7.50	0.60	600	600	
1/27/2022	14:35	10	15	25.01	22.50	15.00	7.50	0.60	520	880	
D05											
1/20/2022	10:08	5	15	25.01	22.50	15.00	7.50	0.60	360	460	
1/20/2022		7	15	25.01	22.50	15.00	7.50	0.60	380	380	
1/20/2022		9	15	25.01	22.50	15.00	7.50	0.60	380	380	
D06											
1/27/2022	14:15	4	15	25.01	22.50	15.00	7.50	0.60	400	440	
1/27/2022	14:17	6	15	25.01	22.50	15.00	7.50	0.60	400	440	
1/27/2022	14:20	8	15	25.01	22.50	15.00	7.50	0.60	460	480	
1/27/2022	14:22	10	15	25.01	22.50	15.00	7.50	0.60	480	480	
D07											
1/24/2022	10:26	5	15	25.01	22.50	15.00	7.50	0.60	500	520	
1/24/2022	10:30	7	15	25.01	22.50	15.00	7.50	0.60	500	520	
1/24/2022	10:35	9	15	25.01	22.50	15.00	7.50	0.60	480	560	
D08											
1/29/2022	8:46	4	15	25.01	22.50	15.00	7.50	0.60	380	400	
1/29/2022	8:48	6	15	25.01	22.50	15.00	7.50	0.60	380	400	
1/29/2022	8:57	8	15	25.01	22.50	15.00	7.50	0.60	380	400	
1/29/2022	9:02	10	15	25.01	22.50	15.00	7.50	0.60	380	420	
D09											
1/24/2022	10:04	5	15	25.01	25.01	15.00	7.50	0.60	460	520	
1/24/2022	10:09	7	15	25.01	25.01	15.00	7.50	0.60	420	420	
1/24/2022	10:17	9	15	25.01	25.01	15.00	7.50	0.60	320	880	
D10											
2/12/2022	12:12	4	15	25.01	25.01	15.00	7.50	0.60	800	840	
2/12/2022	12:14	6	15	25.01	25.01	15.00	7.50	0.60	800	840	DL MAJ 10FT E
2/12/2022	12:26	8	15	25.01	25.01	15.00	7.50	0.60	600	800	
2/12/2022	12:35	10	15	25.01	25.01	15.00	7.50	0.60	400	600	DL MOD @ 10 FT E
D11											
1/24/2022	9:12	5	15	25.01	25.01	15.00	7.50	0.60	440	480	
1/24/2022		7	20	33.34	33.34	20.00	10.00	0.80	340	380	
1/24/2022		9	20	33.34	33.34	20.00	10.00	0.80	340	420	
D12											
1/28/2022	15:50	4	15	25.01	25.01	15.00	7.50	0.60	320	480	
2/16/2022	8:25	6	20	33.34	33.34	20.00	10.00	0.80	360	400	DL MAJ @D32
2/16/2022	8:29	8	20	33.34	33.34	20.00	10.00	0.80	360	400	DL MAJ SAA
2/16/2022	8:31	10	20	33.34	33.34	20.00	10.00	0.80	400	440	DL MIN SAA
D13											
1/24/2022	8:51	5	15	25.01	25.01	15.00	7.50	0.60	380	460	
1/24/2022		7	15	25.01	25.01	15.00	7.50	0.60	440	440	DL MOD 16FT NE
1/24/2022		9	5	8.34	8.34	5.00	2.50	0.20	440	480	DL MAJ SAA
D14											
2/11/2022	15:07	4	15	25.01	25.01	15.00	7.50	0.60	480	900	
2/11/2022	15:09	6	15	25.01	25.01	15.00	7.50	0.60	480	900	
2/11/2022	15:43	8	15	25.01	25.01	15.00	7.50	0.60	720	800	DL MAJ 10FT SE
2/11/2022	15:44	10	12	20.00	20.00	12.00	6.00	0.48	720	800	DL MOD SAA
D15											
1/24/2022	9:42	5	15	25.01	25.01	15.00	7.50	0.60	380	380	
1/24/2022	9:43	7	25	41.68	41.68	25.00	12.50	1.00	380	440	
2/16/2022	14:30	9	25	41.68	41.68	25.00	12.50	1.00	800	900	

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
D16											
1/18/2022	16:34	4	5	8.34	0.00	5.00	2.50	0.20	860	860	MAJ DL
1/18/2022		6	10	16.67	0.00	10.00	5.00	0.40	920	920	MOD DL 6' NE
1/18/2022		8	15	25.01	0.00	15.00	7.50	0.60	840	840	
1/18/2022		10	15	25.01	0.00	15.00	7.50	0.60	940	940	
D17											
2/12/2022	11:04	5	10	16.67	16.67	10.00	5.00	0.40	740	800	DL MOD 5FT N
2/12/2022	11:06	7	2	3.33	3.33	2.00	1.00	0.08	920	920	DL MAJ SAA
2/12/2022	11:07	9	2	3.33	3.33	2.00	1.00	0.08	920	920	DL SAA
D18											
2/15/2022	10:44	4	15	25.01	25.01	15.00	7.50	0.60	840	880	DL MAJ 5FT E
2/15/2022	10:45	6	10	16.67	16.67	10.00	5.00	0.40	840	880	DL SAA
2/15/2022	10:47	8	15	25.01	25.01	15.00	7.50	0.60	840	880	
2/15/2022	10:51	10	5	8.34	8.34	5.00	2.50	0.20	840	880	DL MAJ 10FT E
D19											
2/14/2022	11:26	5	15	25.01	25.01	15.00	7.50	0.60	920	920	
2/14/2022	11:32	7	15	25.01	25.01	15.00	7.50	0.60	800	820	
2/14/2022	11:35	9	15	25.01	25.01	15.00	7.50	0.60	680	920	
D20											
2/14/2022	15:15	4	15	25.01	25.01	15.00	7.50	0.60	880	920	DL MOD 4FT NE
2/14/2022	15:14	6	2	3.33	3.33	2.00	1.00	0.08	880	920	DL MOD SAA
2/14/2022	15:16	8	2	3.33	3.33	2.00	1.00	0.08	880	920	DL SAA
2/14/2022	15:19	10	1	1.67	1.67	1.00	0.50	0.04	0	0	DL MAJ SAA
D21											
2/14/2022	11:03	5	5	8.34	8.34	5.00	3.33	0.20	800	800	DL MOD 1FT E
2/14/2022	11:02	7	5	8.34	8.34	5.00	3.33	0.20	800	800	DL MAJ SAA
2/14/2022	11:10	9	5	8.34	8.34	5.00	3.33	0.20	800	800	
D22											
1/27/2022	13:35	4	15	25.01	25.01	15.00	7.50	0.60	400	440	
1/27/2022	13:35	6	15	25.01	25.01	15.00	7.50	0.60	400	440	
1/27/2022	13:35	8	15	25.01	25.01	15.00	7.50	0.60	400	440	
1/27/2022	13:35	10	15	25.01	25.01	15.00	7.50	0.60	400	440	
D23											
1/19/2022	16:45	5	15	25.01	25.01	15.00	7.50	0.60	580	580	
1/19/2022		7	15	25.01	25.01	15.00	7.50	0.60	600	600	
1/19/2022		9	15	25.01	25.01	15.00	7.50	0.60	780	780	DL @D63 MOD
D24											
1/27/2022	13:13	4	15	25.01	25.01	15.00	7.50	0.60	600	680	
1/27/2022	13:15	6	15	25.01	25.01	15.00	7.50	0.60	500	540	
1/27/2022	13:19	8	15	25.01	25.01	15.00	7.50	0.60	500	540	DL MIN 20FT N
1/27/2022	13:37	10	15	25.01	25.01	15.00	7.50	0.60	500	540	
D25											
1/19/2022	17:00	5	15	25.01	25.01	15.00	7.50	0.60	680	680	
1/19/2022		7	15	25.01	25.01	15.00	7.50	0.60	720	720	
1/19/2022		9	15	25.01	25.01	15.00	7.50	0.60	420	420	
D26											
1/27/2022	13:00	4	15	25.01	25.01	15.00	7.50	0.60	340	420	
1/27/2022	13:03	6	15	25.01	25.01	15.00	7.50	0.60	400	420	
1/27/2022	13:06	8	15	25.01	25.01	15.00	7.50	0.60	400	420	DL MIN 10FT E
2/16/2022	15:50	10	20	33.34	33.34	20.00	10.00	0.80	400	680	DL MAJ SAA
D27											
1/19/2022	17:22	5	15	25.01	25.01	15.00	7.50	0.60	480	480	
1/19/2022		7	15	25.01	25.01	15.00	7.50	0.60	480	480	
1/19/2022		9	15	25.01	25.01	15.00	7.50	0.60	440	440	
D28											
1/27/2022	11:25	4	15	25.01	25.01	15.00	7.50	0.40	400	440	
1/27/2022	11:27	6	15	25.01	25.01	15.00	7.50	0.40	400	440	
1/27/2022	11:28	8	15	25.01	25.01	15.00	7.50	0.40	400	440	
1/27/2022	11:33	10	15	25.01	25.01	15.00	7.50	0.40	600	880	
D29											
1/20/2022	8:27	5	15	25.01	25.01	15.00	7.50	0.40	380	380	
1/20/2022		7	15	25.01	25.01	15.00	7.50	0.40	420	420	
1/20/2022		9	15	25.01	25.01	15.00	7.50	0.40	500	500	
D30											
1/27/2022	11:04	4	15	25.01	25.01	15.00	7.50	0.40	520	520	
1/27/2022	11:07	6	15	25.01	25.01	15.00	7.50	0.40	520	560	
1/27/2022	11:16	8	15	25.01	25.01	15.00	7.50	0.40	680	880	
1/27/2022	11:20	10	15	25.01	25.01	15.00	7.50	0.40	680	880	DL MIN 5FT SW
D31											

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
1/20/2022	8:36	5	15	25.01	25.01	15.00	7.50	0.40	440	0	
1/20/2022		7	15	25.01	25.01	15.00	7.50	0.40	540	560	
1/20/2022		9	15	25.01	25.01	15.00	7.50	0.40	220	480	
D32											
1/27/2022	10:50	4	15	25.01	25.01	15.00	7.50	0.40	380	400	
1/27/2022	10:55	6	15	25.01	25.01	15.00	7.50	0.40	380	440	
1/27/2022	10:57	8	15	25.01	25.01	15.00	7.50	0.40	380	440	
1/27/2022	11:03	10	15	25.01	25.01	15.00	7.50	0.40	380	440	
D33											
1/20/2022	9:01	5	15	25.01	25.01	15.00	5.00	0.40	480	480	
1/20/2022		7	15	25.01	25.01	15.00	5.00	0.40	500	500	
1/20/2022		9	15	25.01	25.01	15.00	5.00	0.40	520	520	
D34											
1/27/2022	10:18	4	15	25.01	25.01	15.00	5.00	0.40	380	380	
1/27/2022	10:20	6	15	25.01	25.01	15.00	5.00	0.40	380	380	
1/27/2022	10:24	8	15	25.01	25.01	15.00	5.00	0.40	380	440	
1/27/2022	10:27	10	15	25.01	25.01	15.00	5.00	0.40	380	440	
D35											
1/18/2022	15:48	5	15	25.01	0.00	0.00	0.00	0.00	740	740	
1/18/2022		7	15	25.01	0.00	0.00	0.00	0.00	860	860	
1/18/2022		9	15	25.01	0.00	0.00	0.00	0.00	820	820	
D36											
1/19/2022	11:05	4	15	25.01	0.00	0.00	0.00	0.00	380	380	
1/19/2022		6	15	25.01	0.00	0.00	0.00	0.00	380	380	
1/19/2022		8	15	25.01	0.00	0.00	0.00	0.00	340	340	DL MIN 6FT NE
1/19/2022		10	10	16.67	0.00	0.00	0.00	0.00	540	540	DL MAJ SAA
D37											
1/18/2022	15:58	5	12	20.00	0.00	0.00	0.00	0.00	920	920	MOD DL 4' E
1/18/2022		7	3	5.00	0.00	0.00	0.00	0.00	900	900	MAJ DL 4' E
1/18/2022		9	2	3.33	0.00	0.00	0.00	0.00	900	940	MAJ DL 4' E
D38											
1/18/2022	16:24	4	7	11.67	0.00	0.00	0.00	0.00	820	820	MAJ DL 2' N
1/18/2022		6	7	11.67	0.00	0.00	0.00	0.00	880	880	MAJ DL 2' N
1/18/2022		8	2	3.33	0.00	0.00	0.00	0.00	820	820	MAJ DL 2' N
1/18/2022		10	7	11.67	0.00	0.00	0.00	0.00	900	900	MAJ DL 2' N
D39											
2/14/2022	16:22	5	15	25.01	25.01	15.00	5.00	0.40	780	920	
2/14/2022	16:26	7	15	25.01	25.01	15.00	5.00	0.40	800	960	
2/14/2022	16:32	9	15	25.01	25.01	15.00	5.00	0.40	780	800	
D40											
1/27/2022	8:35	4	15	25.01	25.01	15.00	5.00	0.40	520	520	
1/27/2022	8:37	6	15	25.01	25.01	15.00	5.00	0.40	480	480	
1/27/2022	8:42	8	15	25.01	25.01	15.00	5.00	0.40	540	540	
1/27/2022	8:47	10	15	25.01	25.01	15.00	5.00	0.40	580	580	
D41											
2/14/2022	16:11	5	15	25.01	25.01	15.00	5.00	0.40	600	920	DL MAJ 2FT NE
2/14/2022	16:17	7	2	3.33	3.33	2.00	0.67	0.05	600	920	DL SAA
2/14/2022	16:17	9	3	5.00	5.00	3.00	1.00	0.08	600	920	
D42											
1/29/2022	8:27	4	10	16.67	16.67	8.00	3.33	0.18	380	460	DL MOD 5FT E
1/29/2022	8:32	6	10	16.67	16.67	8.00	3.33	0.18	380	460	DL MAJ SAA
1/29/2022	8:37	8	0	0.00	0.00	0.00	0.00	0.00	0	0	DL MAJ SAA
1/29/2022	8:37	10	0	0.00	0.00	0.00	0.00	0.00	0	0	DL MAJ SAA
D43											
2/10/2022	14:11	5	13	21.67	21.67	10.40	4.33	0.23	480	480	DL MAJ 5FT SE
2/10/2022	14:14	7	1	1.67	1.67	0.80	0.33	0.02	480	480	DL MAJ SAA
2/10/2022	14:16	9	1	1.67	1.67	0.80	0.33	0.02	480	480	DL SAA
D44											
1/24/2022	11:14	4	15	25.01	25.01	12.00	5.00	0.27	400	400	
1/24/2022	11:16	6	15	25.01	25.01	12.00	5.00	0.27	400	400	
1/24/2022	11:21	8	15	25.01	25.01	12.00	5.00	0.27	400	400	
1/24/2022	11:26	10	15	25.01	25.01	12.00	5.00	0.27	400	480	
D45											
1/29/2022	9:12	5	15	25.01	25.01	15.00	5.00	0.40	380	420	DL MOD @D24
2/16/2022	15:41	7	15	25.01	25.01	15.00	5.00	0.40	820	880	
2/16/2022	15:43	9	15	25.01	25.01	15.00	5.00	0.40	480	880	
D46											
1/24/2022	12:45	4	15	25.01	25.01	15.00	5.00	0.40	400	420	DL MIN 5FT S
1/24/2022	12:46	6	5	8.34	8.34	5.00	1.67	0.13	400	420	DL MAJ SAA

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Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
1/24/2022	12:49	8	5	8.34	8.34	5.00	1.67	0.13	400	420	DL SAA
1/24/2022	12:52	10	5	8.34	8.34	5.00	1.67	0.13	520	880	
D47											
2/2/2022	14:41	5	15	25.01	25.01	15.00	5.00	0.40	360	520	
2/2/2022	14:44	7	15	25.01	25.01	15.00	5.00	0.40	400	400	
2/2/2022	14:47	9	15	25.01	25.01	15.00	5.00	0.40	380	620	
D48											
1/24/2022	12:22	4	15	25.01	25.01	12.00	5.00	0.40	400	400	
1/24/2022	12:27	6	15	25.01	25.01	12.00	5.00	0.40	400	400	
1/24/2022	12:33	8	10	16.67	16.67	8.00	3.33	0.27	400	400	DL MOD 5FT S
1/24/2022	12:37	10	5	8.34	8.34	4.00	1.67	0.13	400	480	DL MAJ MW-33 AROUND CASING
D49											
2/10/2022	14:00	5	10	16.67	16.67	8.00	3.33	0.27	800	800	DL MOD 5FT E
2/10/2022	14:00	7	2	3.33	3.33	1.60	0.67	0.05	800	800	DL MAJ SAA
2/10/2022	14:02	9	2	3.33	3.33	1.60	0.67	0.05	800	800	DL SAA
D50											
1/22/2022	12:14	4	15	25.01	25.01	15.00	5.00	0.40	360	360	
1/22/2022		6	15	25.01	25.01	15.00	5.00	0.40	360	360	
1/22/2022		8	15	25.01	25.01	15.00	5.00	0.40	400	480	
1/22/2022		10	15	25.01	25.01	15.00	5.00	0.40	400	480	
D51											
2/2/2022	14:27	5	15	25.01	25.01	15.00	5.00	0.40	780	820	
2/2/2022	14:32	7	10	16.67	16.67	10.00	3.33	0.27	780	820	DL MOD 6FT NW
2/2/2022	14:34	9	10	16.67	16.67	10.00	3.33	0.27	520	540	DL SAA
D52											
1/22/2022	10:55	4	15	25.01	25.01	15.00	5.00	0.40	440	440	
1/22/2022		6	10	16.67	16.67	10.00	3.33	0.27	420	440	
1/22/2022		8	5	8.34	8.34	5.00	1.67	0.13	420	440	
1/22/2022		10	5	8.34	8.34	5.00	1.67	0.13	480	480	
D53											
2/10/2022	13:35	5	15	25.01	25.01	15.00	5.00	0.40	480	700	
2/10/2022	13:42	7	15	25.01	25.01	15.00	5.00	0.40	860	900	
2/10/2022	13:49	9	15	25.01	25.01	15.00	5.00	0.40	880	880	
D54											
1/24/2022	12:07	4	15	25.01	25.01	15.00	5.00	0.40	360	400	
1/24/2022	12:10	6	15	25.01	25.01	15.00	5.00	0.40	400	440	
1/24/2022	12:14	8	15	25.01	25.01	15.00	5.00	0.40	400	440	
1/24/2022	12:20	10	15	25.01	25.01	15.00	5.00	0.40	400	480	
D55											
2/2/2022	14:07	5	15	25.01	25.01	15.00	5.00	0.40	380	380	
2/2/2022	14:10	7	20	33.34	33.34	20.00	6.67	0.53	380	380	
2/15/2022	11:15	9	15	25.01	25.01	15.00	5.00	0.40	420	440	DL MAJ 5FT NE
D56											
1/19/2022	10:35	4	15	25.01	0.00	0.00	0.00	0.00	380	380	
1/19/2022		6	15	25.01	0.00	0.00	0.00	0.00	360	360	DL MIN 5FT SE
1/19/2022		8	15	25.01	0.00	0.00	0.00	0.00	380	380	
1/19/2022		10	15	25.01	0.00	0.00	0.00	0.00	340	340	
D57											
1/19/2022	11:33	5	15	25.01	0.00	0.00	0.00	0.00	400	400	
1/19/2022		7	20	33.34	0.00	0.00	0.00	0.00	380	380	DL MAJ @D16
1/19/2022		9	20	33.34	0.00	0.00	0.00	0.00	540	540	DL SAA
D58											
1/19/2022	9:35	4	15	25.01	0.00	0.00	0.00	0.00	440	440	DL MIN 10FT W
1/19/2022		6	15	25.01	0.00	0.00	0.00	0.00	400	400	DL MIN @D75
1/19/2022		8	15	25.01	0.00	0.00	0.00	0.00	400	400	DL MIN 8FT NE
1/19/2022		10	15	25.01	0.00	0.00	0.00	0.00	420	420	MW-2 ROSE 1.05FT
D59											
2/12/2022	10:42	5	15	25.01	25.01	15.00	5.00	0.40	400	800	
2/12/2022	10:47	7	15	25.01	25.01	15.00	5.00	0.40	600	800	
2/12/2022	10:59	9	10	16.67	16.67	10.00	3.33	0.27	600	800	DL MAJ 15FT NE
D60											
2/11/2022	16:22	4	6	10.00	10.00	6.00	2.00	0.24	480	480	DL MAJ 1FT SW
2/11/2022	16:22	6	2	3.33	3.33	2.00	0.67	0.08	480	480	DL SAA
2/11/2022	16:24	8	1	1.67	1.67	1.00	0.33	0.04	480	480	DL SAA
2/11/2022	16:35	10	1	1.67	1.67	1.00	0.33	0.04	480	480	DL SAA
D61											
2/12/2022	12:50	5	5	8.34	8.34	4.00	1.67	0.13	200	400	DL MAJ @ ROD
2/12/2022	12:52	7	2	3.33	3.33	1.60	0.67	0.05	200	400	DL MAJ @ ROD
2/12/2022	12:54	9	3	5.00	5.00	2.40	1.00	0.08	200	400	DL MAJ @ROD

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
D62											
1/26/2022	16:22	4	15	25.01	25.01	12.00	5.00	0.27	480	520	DL MOD SFT E
1/26/2022	16:27	6	3	5.00	5.00	2.40	1.00	0.05	480	520	DL MAJ SAA
1/26/2022	16:26	8	5	8.34	8.34	4.00	1.67	0.09	480	880	DL SAA
1/26/2022	16:28	10	5	8.34	8.34	4.00	1.67	0.09	480	880	DL SAA
D63											
1/19/2022	16:10	5	0	0.00	0.00	0.00	0.00	0.00	0	0	DL MAJ
1/19/2022		7	15	25.01	25.01	12.00	5.00	0.27	880	880	
1/19/2022		9	15	25.01	25.01	12.00	5.00	0.27	360	360	
D64											
1/26/2022	15:54	4	15	25.01	25.01	12.00	5.00	0.40	420	440	DL MOD 1FT E
1/26/2022	15:59	6	1	1.67	1.67	0.80	0.33	0.03	420	440	DL MAJ SAA
1/26/2022	16:00	8	1	1.67	1.67	0.80	0.33	0.03	420	440	DL MAJ SAA
1/26/2022	16:12	10	15	25.01	25.01	12.00	5.00	0.40	420	440	DL MIN SAA
D65											
1/19/2022	14:32	5	15	25.01	25.01	12.00	5.00	0.27	380	380	
1/19/2022		7	7	11.67	11.67	5.60	2.33	0.13	400	400	DL MAJ 1FT S
1/19/2022		9	15	25.01	25.01	12.00	5.00	0.27	400	400	
D66											
1/26/2022	15:35	4	15	25.01	25.01	12.00	5.00	0.27	420	420	
1/26/2022	15:39	6	15	25.01	25.01	12.00	5.00	0.27	420	420	
1/26/2022	15:42	8	15	25.01	25.01	12.00	5.00	0.27	420	440	
1/26/2022	15:44	10	15	25.01	25.01	12.00	5.00	0.27	420	440	
D67											
1/19/2022	14:11	5	15	25.01	25.01	12.00	5.00	0.27	520	520	DL MIN 6FT N
1/19/2022		7	15	25.01	25.01	12.00	5.00	0.27	480	480	DL MAJ 10FT S
1/19/2022		9	15	25.01	25.01	12.00	5.00	0.27	880	880	
D68											
1/26/2022	14:50	4	15	25.01	25.01	12.00	5.00	0.40	400	440	
1/26/2022	14:54	6	5	8.34	8.34	4.00	1.67	0.13	400	440	DL MAJ 10FT NW
1/26/2022	14:57	8	5	8.34	8.34	4.00	1.67	0.13	500	540	DL SAA
1/26/2022	15:00	10	15	25.01	25.01	12.00	5.00	0.40	500	540	DL MIN SAA
D69											
1/19/2022	13:51	5	15	25.01	25.01	12.00	5.00	0.40	340	340	
1/19/2022		7	10	16.67	16.67	8.00	3.33	0.27	420	420	DL @RODS
1/19/2022		9	5	8.34	8.34	4.00	1.67	0.13	480	480	DL @RODS
D70											
1/26/2022	14:36	4	15	25.01	25.01	15.00	5.00	0.40	380	420	
2/16/2022	14:00	6	15	25.01	25.01	15.00	5.00	0.40	380	420	DL MAJ 10FT SE
2/16/2022	14:17	8	15	25.01	25.01	15.00	5.00	0.40	520	560	DL SAA
1/26/2022	14:43	10	15	25.01	25.01	15.00	5.00	0.40	520	560	DL MIN SAA
D71											
1/19/2022	13:28	5	15	25.01	25.01	15.00	5.00	0.60	380	380	
1/19/2022		7	15	25.01	25.01	15.00	5.00	0.60	400	400	
1/19/2022		9	15	25.01	25.01	15.00	5.00	0.60	240	240	
D72											
2/11/2022	16:36	4	15	25.01	25.01	15.00	5.00	0.40	480	480	
2/11/2022	16:39	6	15	25.01	25.01	15.00	5.00	0.40	520	600	
2/11/2022	16:43	8	5	8.34	8.34	5.00	1.67	0.13	480	800	DL MOD 10FT E
2/11/2022	16:47	10	5	8.34	8.34	5.00	1.67	0.13	480	800	DL SAA
D73											
1/19/2022	13:11	5	15	25.01	25.01	15.00	5.00	0.40	340	340	
1/19/2022		7	20	33.34	33.34	20.00	6.67	0.53	400	400	DL MIN @D56
1/19/2022		9	15	25.01	25.01	15.00	5.00	0.40	900	900	DL MOD @D56
D74											
1/22/2022	10:25	4	15	25.01	25.01	15.00	5.00	0.40	380	380	
1/22/2022		6	15	25.01	25.01	15.00	5.00	0.40	320	380	
1/22/2022		8	5	8.34	8.34	5.00	1.67	0.13	320	380	
1/22/2022		10	15	25.01	25.01	15.00	5.00	0.40	320	380	
D75											
1/18/2022	15:09	5	15	25.01	0.00	0.00	0.00	0.00	900	900	
1/18/2022		7	15	25.01	0.00	0.00	0.00	0.00	900	940	
1/18/2022		9	15	25.01	0.00	0.00	0.00	0.00	900	920	
D76											
1/22/2022	9:45	4	15	25.01	25.01	15.00	5.00	0.40	380	380	
1/22/2022		6	15	25.01	25.01	15.00	5.00	0.40	380	380	
1/22/2022		8	15	25.01	25.01	15.00	5.00	0.40	380	860	
1/22/2022		10	15	25.01	25.01	15.00	5.00	0.40	380	400	
D77											

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Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
1/19/2022	9:16	5	15	25.01	0.00	0.00	0.00	0.00	420	420	
1/19/2022		7	15	25.01	0.00	0.00	0.00	0.00	420	420	
1/19/2022		9	15	25.01	0.00	0.00	0.00	0.00	580	580	MW-2 ROSE TO 4.2FT
D78											
2/10/2022	15:42	4	15	25.01	25.01	15.00	5.00	0.40	480	600	
2/10/2022	15:44	6	15	25.01	25.01	15.00	5.00	0.40	480	480	
2/10/2022	15:48	8	15	25.01	25.01	15.00	5.00	0.40	780	780	DL MAJ 10FT SE
2/10/2022	15:57	10	10	16.67	16.67	10.00	3.33	0.27	540	880	DL SAA
D79											
1/18/2022	14:54	4	15	25.01	0.00	0.00	0.00	0.00	800	800	
1/18/2022		6	15	25.01	0.00	0.00	0.00	0.00	800	800	
1/18/2022		8	5	8.34	0.00	0.00	0.00	0.00	900	900	DL MOD 10FT N
1/18/2022		10	15	25.01	0.00	0.00	0.00	0.00	900	900	
D80											
2/10/2022	15:30	4	5	8.34	8.34	5.00	1.67	0.13	480	480	DL MOD 3FT NE
2/10/2022	15:34	6	1	1.67	1.67	1.00	0.33	0.03	480	480	DL MAJ SAA
2/10/2022	15:34	8	1	1.67	1.67	1.00	0.33	0.03	480	480	DL SAA
2/10/2022	15:36	10	1	1.67	1.67	1.00	0.33	0.03	480	480	DL SAA
D81											
1/26/2022	14:23	5	15	25.01	25.01	15.00	5.00	0.40	380	420	
1/26/2022	14:27	7	15	25.01	25.01	15.00	5.00	0.40	380	420	
1/26/2022	14:30	9	15	25.01	25.01	15.00	5.00	0.40	380	420	
D82											
2/10/2022	15:04	4	15	25.01	25.01	15.00	5.00	0.40	480	480	
2/10/2022	15:06	6	15	25.01	25.01	15.00	5.00	0.40	480	480	
2/10/2022	15:16	8	15	25.01	25.01	15.00	5.00	0.40	480	480	
2/10/2022	15:18	10	15	25.01	25.01	15.00	5.00	0.40	480	480	
D83											
1/26/2022	13:26	5	15	25.01	25.01	15.00	5.00	0.40	400	420	
1/26/2022	13:29	7	15	25.01	25.01	15.00	5.00	0.40	400	420	
1/26/2022	13:32	9	15	25.01	25.01	15.00	5.00	0.40	400	420	
D84											
1/31/2022	16:34	4	15	25.01	25.01	15.00	5.00	0.40	400	400	
2/15/2022	16:11	6	15	25.01	25.01	15.00	5.00	0.40	360	380	DL MOD 30 FT N
2/15/2022	16:19	8	15	25.01	25.01	15.00	5.00	0.40	360	380	DL SAA
2/15/2022	16:21	10	15	25.01	25.01	15.00	5.00	0.40	700	880	DL SAA
D85											
1/26/2022	13:03	5	15	25.01	25.01	15.00	5.00	0.40	500	500	
1/26/2022	13:08	7	15	25.01	25.01	15.00	5.00	0.40	400	400	
1/26/2022	13:11	9	15	25.01	25.01	15.00	5.00	0.40	640	640	
D86											
1/31/2022	16:17	4	15	25.01	25.01	15.00	5.00	0.40	320	360	
2/15/2022	10:59	6	15	25.01	25.01	15.00	5.00	0.40	320	360	DL MOD 20FT N
1/31/2022	16:25	8	15	25.01	25.01	15.00	5.00	0.40	320	360	DL SAA
2/15/2022	11:06	10	15	25.01	25.01	15.00	5.00	0.40	320	360	
D87											
1/26/2022	12:53	5	15	25.01	25.01	15.00	5.00	0.40	420	420	
1/26/2022	12:57	7	15	25.01	25.01	15.00	5.00	0.40	360	420	
1/26/2022	13:00	9	15	25.01	25.01	15.00	5.00	0.40	420	580	
D88											
1/31/2022	15:59	4	15	25.01	25.01	15.00	5.00	0.60	360	360	
1/31/2022	16:03	6	15	25.01	25.01	15.00	5.00	0.60	360	360	
1/31/2022	16:10	8	15	25.01	25.01	15.00	5.00	0.60	360	400	DL MAJ 10FT N
1/31/2022	16:12	10	15	25.01	25.01	15.00	5.00	0.60	360	400	
F01											
3/18/2022	8:26	5	5	8.34	8.34	5.00	1.67	0.09	200	600	DL MAJ AT BASE
3/18/2022	8:29	7	15	25.01	25.01	15.00	5.00	0.27	200	600	
F02											
3/17/2022	11:02	4	0	0.00	0.00	0.00	0.00	0.00	200	600	DL MAJ AT BASE
3/17/2022	11:05	6	5	8.34	8.34	5.00	1.67	0.09	200	600	DL MAJ AT BASE
F03											
3/17/2022	16:49	5	15	25.01	25.01	15.00	5.00	0.27	200	500	
3/17/2022	16:51	7	15	25.01	25.01	15.00	5.00	0.27	200	500	
F04											
3/18/2022	8:38	4	10	16.67	16.67	10.00	3.33	0.18	200	600	DL MAJ 8 FT N
3/18/2022	8:40	6	5	8.34	8.34	5.00	1.67	0.09	200	600	DL MAJ 8 FT N
F05											
3/17/2022	10:18	5	5	8.34	8.34	5.00	1.67	0.09	200	400	DL MAJ AT POINT
3/17/2022	10:21	7	15	25.01	25.01	15.00	5.00	0.27	200	600	DL MOD AT ROD
F06											

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Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
3/18/2022	15:29	4	5	8.34	8.34	5.50	1.67	0.09	200	600	DL MAJ AT ROD
3/18/2022	15:30	6	15	25.01	25.01	16.50	5.00	0.27	200	700	DL MAJ 6 FT N
F07											
3/18/2022	8:48	5	15	25.01	25.01	15.00	5.00	0.27	200	900	
3/18/2022	8:51	7	15	25.01	25.01	15.00	5.00	0.27	200	900	
F08											
3/17/2022	10:02	4	5	8.34	8.34	5.00	1.67	0.09	200	600	DL MAJ 1 FT NW
3/17/2022	10:04	6	15	25.01	25.01	15.00	5.00	0.27	200	600	
F09											
3/18/2022	15:35	5	15	25.01	25.01	16.50	5.00	0.27	200	600	
3/18/2022	15:38	7	15	25.01	25.01	16.50	5.00	0.27	200	500	
F10											
3/18/2022	9:41	4	15	25.01	25.01	15.00	5.00	0.27	200	900	DL MAJ 5 FT W
3/18/2022	9:46	6	15	25.01	25.01	15.00	5.00	0.27	200	600	DL MAJ 5 FT W
F11											
3/17/2022	9:54	5	15	25.01	25.01	15.00	5.00	0.27	200	600	
3/17/2022	9:56	7	15	25.01	25.01	15.00	5.00	0.27	200	800	
F12											
3/18/2022	15:43	4	10	16.67	16.67	11.00	3.33	0.18	200	600	DL 2 FT W MAJ
3/18/2022	15:46	6	15	25.01	25.01	16.50	5.00	0.27	200	600	
F13											
3/18/2022	9:54	5	15	25.01	25.01	15.00	5.00	0.27	200	800	
3/18/2022	9:58	7	15	25.01	25.01	15.00	5.00	0.27	200	800	
F14											
3/17/2022	9:07	4	5	8.34	8.34	5.00	1.67	0.09	200	800	DL MAJ 2 FT NW
3/17/2022	9:09	6	15	25.01	25.01	15.00	5.00	0.27	200	800	
F15											
3/18/2022	16:38	5	15	25.01	25.01	16.50	5.00	0.27	200	600	
3/18/2022	16:38	7	15	25.01	25.01	16.50	5.00	0.27	200	600	
F16											
3/18/2022	10:03	4	10	16.67	16.67	11.00	3.33	0.18	200	800	DL MAJ 4 FT NW
3/18/2022	10:04	6	15	25.01	25.01	16.50	5.00	0.27	200	800	
F17											
3/17/2022	8:56	5	10	16.67	16.67	10.00	3.33	0.18	200	800	DL maj 5 ft nw
3/17/2022	8:59	7	5	8.34	8.34	5.00	1.67	0.09	200	800	DL maj 5 ft nw
F18											
3/19/2022	8:36	4	0	0.00	0.00	0.00	0.00	0.00	0	0	DL MAJ AT BASE
3/19/2022	8:37	6	15	25.01	25.01	16.50	5.00	0.27	200	900	
F19											
3/18/2022	10:39	5	10	16.67	16.67	11.00	3.33	0.18	200	500	DL MAJ 3 FT NW
3/18/2022	10:42	7	5	8.34	8.34	5.50	1.67	0.09	200	500	DL MAJ 3 FT NW
F20											
3/17/2022	8:47	4	10	16.67	16.67	10.00	3.33	0.18	400	800	DL mod 5ft s
3/17/2022	8:49	6	15	25.01	25.01	15.00	5.00	0.27	400	800	DL maj 5ft s
F21											
3/17/2022	16:35	5	15	25.01	25.01	15.00	5.00	0.27	200	600	
3/17/2022	16:40	7	15	25.01	25.01	15.00	5.00	0.27	200	500	
F22											
3/16/2022	16:13	4	15	25.01	25.01	15.00	5.00	0.27	200	600	
3/16/2022	16:16	6	10	0.00	0.00	10.00	3.33	0.18	200	600	DL MAJ 10 FT NW
F23											
3/18/2022	13:32	5	15	25.01	25.01	16.50	5.00	0.27	200	600	
3/18/2022	13:37	7	10	16.67	16.67	11.00	3.33	0.18	200	800	DL MAJ 12 FT NW
F24											
3/17/2022	16:27	4	15	25.01	25.01	15.00	5.00	0.27	200	500	DL MOD 5 FT NW
3/17/2022	16:29	6	5	8.34	8.34	5.00	1.67	0.09	200	500	DL MAJ 5 FT NW
F25											
3/16/2022	16:21	5	15	25.01	25.01	15.00	5.00	0.27	200	600	
3/16/2022	16:24	7	15	25.01	25.01	15.00	5.00	0.27	200	600	
F26											
3/18/2022	13:40	4	15	25.01	25.01	16.50	5.00	0.27	200	600	DL MAJ 8 FT NW
3/18/2022	13:42	6	15	25.01	25.01	16.50	5.00	0.27	200	800	
F27											
3/17/2022	15:35	5	15	25.01	25.01	15.00	5.00	0.27	200	600	
3/17/2022	15:40	7	15	25.01	25.01	15.00	5.00	0.27	200	400	
F28											
3/16/2022	16:30	4	15	25.01	25.01	15.00	5.00	0.27	200	600	
3/16/2022	16:45	6	15	25.01	25.01	15.00	5.00	0.27	200	800	DL MOD 8 FT NW
F29											
3/18/2022	13:47	5	15	25.01	25.01	16.50	5.00	0.27	200	400	DL MAJ 10 FT NW

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3/18/2022	13:50	7	15	25.01	25.01	16.50	5.00	0.27	200	800	DL MAJ 10 FT NW
F30											
3/17/2022	15:29	4	15	25.01	25.01	15.00	5.00	0.27	200	600	
3/17/2022	15:31	6	15	25.01	25.01	15.00	5.00	0.27	200	800	DL MAJ 3 FT NW
F31											
3/18/2022	14:34	5	15	25.01	25.01	16.50	5.00	0.27	200	400	
3/18/2022	14:36	7	15	25.01	25.01	16.50	5.00	0.27	200	600	
F32											
3/16/2022	14:19	4	15	25.01	25.01	15.00	5.00	0.27	200	500	
3/16/2022	14:21	6	15	25.01	25.01	15.00	5.00	0.27	200	600	
F33											
3/17/2022	15:24	5	15	25.01	25.01	15.00	5.00	0.27	200	900	
3/17/2022	15:25	7	15	25.01	25.01	15.00	5.00	0.27	200	900	
F34											
3/18/2022	14:40	4	15	25.01	25.01	16.50	5.00	0.27	200	600	
3/18/2022	14:42	6	15	25.01	25.01	16.50	5.00	0.27	200	600	
F35											
3/16/2022	14:31	5	15	25.01	25.01	15.00	5.00	0.27	400	800	
3/16/2022	14:34	7	15	25.01	25.01	15.00	5.00	0.27	200	600	
F36											
3/17/2022	14:44	4	10	16.67	16.67	10.00	3.33	0.18	200	800	DL MAJ 8 FT NW
3/17/2022	14:46	6	5	8.34	8.34	5.00	1.67	0.09	200	800	DL MAJ 8 FT NW
F37											
3/18/2022	14:47	5	5	8.34	8.34	5.50	1.67	0.09	0	0	DL MAJ AT RODS
3/18/2022	14:51	7	15	25.01	25.01	16.50	5.00	0.27	200	800	
F38											
3/16/2022	14:42	4	15	25.01	25.01	15.00	5.00	0.27	200	800	
3/16/2022	14:44	6	15	25.01	25.01	15.00	5.00	0.27	200	400	
F39											
3/17/2022	14:38	5	10	16.67	16.67	10.00	3.33	0.18	200	600	DL MAJ 8 FT NW
3/17/2022	14:38	7	5	8.34	8.34	5.00	1.67	0.09	200	600	
F40											
3/19/2022	8:48	4	15	25.01	25.01	16.50	5.00	0.27	200	600	
3/19/2022	8:51	6	15	25.01	25.01	16.50	5.00	0.27	200	600	
F41											
3/17/2022	11:10	5	15	25.01	25.01	15.00	5.00	0.27	200	600	
3/17/2022	11:12	7	15	25.01	25.01	15.00	5.00	0.27	200	800	DL MAJ 6 FT W
F42											
3/19/2022	10:42	4	15	25.01	25.01	16.50	5.00	0.27	200	600	
3/19/2022		6	10	16.67	16.67	11.00	3.33	0.18	200	800	DL MAJ 10 FT NW
F43											
3/19/2022	9:00	5	15	25.01	25.01	16.50	5.00	0.27	200	800	
3/19/2022		7	15	25.01	25.01	16.50	5.00	0.27	200	800	DL MAJ 10 FT NW
F44											
3/17/2022	11:18	4	15	25.01	25.01	15.00	5.00	0.27	200	400	
3/17/2022	11:19	6	15	25.01	25.01	15.00	5.00	0.27	400	800	
F45											
3/18/2022	11:48	5	15	25.01	25.01	16.50	5.00	0.27	200	600	
3/18/2022	11:51	7	15	25.01	25.01	16.50	5.00	0.27	200	600	
F46											
3/19/2022	9:36	4	15	25.01	25.01	16.50	5.00	0.27	200	600	DL MAJ 5 FT NW F28
3/19/2022		6	15	25.01	25.01	16.50	5.00	0.27	200	400	DL MAJ 12 FT NW
F47											
3/17/2022	11:53	5	15	25.01	25.01	15.00	5.00	0.27	200	600	
3/17/2022	11:55	7	15	25.01	25.01	15.00	5.00	0.27	200	800	
F48											
3/18/2022	11:43	4	15	25.01	25.01	16.50	5.00	0.27	200	600	
3/18/2022	11:45	6	15	25.01	25.01	16.50	5.00	0.27	200	700	
F49											
3/19/2022	9:45	5	15	25.01	25.01	16.50	5.00	0.27	200	600	
3/19/2022		7	15	25.01	25.01	16.50	5.00	0.27	200	600	DL MAJ 10 FT W
F50											
3/17/2022	12:00	4	15	25.01	25.01	15.00	5.00	0.27	200	600	
3/17/2022	12:01	6	15	25.01	25.01	15.00	5.00	0.27	200	800	
F51											
3/18/2022	11:35	5	15	25.01	25.01	16.50	5.00	0.27	200	600	
3/18/2022	11:38	7	15	25.01	25.01	16.50	5.00	0.27	200	600	
F52											
3/19/2022	9:53	4	5	8.34	8.34	5.50	1.67	0.09	200	600	DL MAJ AT ROD
3/19/2022		6	15	25.01	25.01	16.50	5.00	0.27	0	0	
F53											

Table 1 - CK#2720886

Date	Time	Depth Interval (feet bgs)	Injected Volume (gallons)	BOS 200 Installed (lbs)	Supplemental Gypsum Installed (lbs)	Magnesium Sulfate Installed (lbs)	Corn Starch Installed (lbs)	Yeast Extract Installed (lbs)	Min Pressure (PSIG)	Max Pressure (PSIG)	Notes
3/17/2022	12:06	5	15	25.01	25.01	15.00	5.00	0.27	200	600	
3/17/2022	12:08	7	15	25.01	25.01	15.00	5.00	0.27	200	600	
F54											
3/18/2022	10:56	4	15	25.01	25.01	16.50	5.00	0.27	200	800	
3/18/2022	10:58	6	15	25.01	25.01	16.50	5.00	0.27	200	900	
F55											
3/19/2022	10:28	5	15	25.01	25.01	16.50	5.00	0.27	200	800	
3/19/2022		7	15	25.01	25.01	16.50	5.00	0.27	200	800	
F56											
3/17/2022	14:26	4	15	25.01	25.01	16.50	5.00	0.27	200	800	
3/17/2022	14:27	6	15	25.01	25.01	16.50	5.00	0.27	200	800	
F57											
3/18/2022	10:47	5	15	25.01	25.01	16.50	5.00	0.27	200	800	
3/18/2022	10:51	7	10	16.67	16.67	11.00	3.33	0.18	200	600	DL MAJ 10 FT NW
Totals				28401.43	27497.04	14250.90	5797.50	345.73			

Table 2 - Well Gauging Log

Well ID	Date	Depth To NAPL	Depth To Water	NAPL Thickness
RW-1	3/2/2020	2.35	3.16	0.81
	3/16/2021	2.98	3.25	0.27
	3/17/2021	2.85	3.09	0.24
	3/18/2021	2.98	3.25	0.27
	3/19/2021	3.06	3.16	0.1
	3/22/2021	3.31	3.43	0.12
	3/27/2021		3.4	0
	4/6/2021	4	4.09	0.09
	4/7/2021	4.05	4.13	0.08
	4/8/2021	4.09	4.18	0.09
	4/20/2021	4.95	5.08	0.13
	4/29/2021		5.31	0
	5/14/2021	5.73	5.74	0.01
	7/13/2021		5.34	0
	10/13/2021	3.59	3.66	0.07
	1/19/2022		5.52	0
	3/21/2022	5.92	5.93	0.01
RW-2	7/8/2019	2.22	2.78	0.56
	3/16/2021	2.5	2.54	0.04
	3/17/2021	2.5	2.52	0.02
	3/18/2021	2.45	2.47	0.02
	3/19/2021	2.67	2.68	0.01
	3/22/2021	2.82	2.84	0.02
	3/26/2021		3.85	0
	3/27/2021	2.95	3	0.05
	4/6/2021	3.49	3.53	0.04
	4/7/2021	4.54	4.58	0.04
	4/8/2021	3.55	3.6	0.05
	4/20/2021	4.34	4.4	0.06
	4/29/2021	4.71	4.73	0.02
	5/14/2021	5.2	5.23	0.03
	7/13/2021		4.95	0
	10/13/2021		3.18	0
	1/19/2022		5.1	0
	2/12/2022		5.1	0
	2/23/2022		5.52	0
	3/15/2022		6.39	0
3/21/2022		5.52	0	
RW-3	3/2/2020	2.75	3.31	0.56
	3/16/2021	3.05	3.37	0.32
	3/17/2021	3.15	3.31	0.16
	3/18/2021	3.11	3.27	0.16
	3/19/2021	2.25	2.3	0.05
	3/22/2021	4.4	4.8	0.4
	3/26/2021		3.5	0
	3/27/2021	3.55	3.63	0.08

No entry indicates no NAPL detected

Table 2 - Well Gauging Log

	4/6/2021	4.01	4.07	0.06
	4/7/2021	4.05	4.1	0.05
	4/8/2021	4.08	4.12	0.04
	4/20/2021	4.77	4.83	0.06
	4/29/2021		5.17	0
	5/14/2021	5.58	5.61	0.03
	7/13/2021	5.39	5.4	0.01
	10/13/2021		3.66	0
	1/19/2022		5.58	0
	2/12/2022		5.68	0
	2/23/2022		4.96	0
	3/15/2022		5.9	0
	3/21/2022		6	0
RW-5	3/2/2020	0.35	2.87	2.52
	3/26/2021	1.2	3.2	2
	3/27/2021	1.25	2.95	1.7
	3/30/2021	1.54	2.43	0.89
	3/31/2021	1.67	3.27	1.6
	4/6/2021	2.05	3.6	1.55
	4/7/2021	2.07	3.6	1.53
	4/8/2021	2.4	2.94	0.54
	4/20/2021	3.27	4.02	0.75
	4/29/2021	3.73	3.91	0.18
	5/13/2021	4.06	4.43	0.37
	7/13/2021	3.58	3.6	0.02
	10/13/2021	1.98	2.11	0.13
	1/19/2022		3.81	0
	2/12/2022	4.09	4.3	0.21
	2/23/2022	3.62	3.82	0.2
	3/15/2022	4.14	4.37	0.23
	3/21/2022	4.25	4.43	0.18
RW-6	3/2/2020	0.37	2.04	1.67
	4/20/2021	2.85	3.22	0.37
	4/29/2021	3.54	3.56	0.02
	5/13/2021	3.75	3.81	0.06
	7/13/2021		3.23	0
	10/13/2021	1.37	2.56	1.19
	1/19/2022		3.38	0
	2/12/2022	3.48	4	0.52
	2/23/2022	3.3	4.09	0.79
	3/15/2022	3.5	4.57	1.07
	3/21/2022	3.6	4.55	0.95
RW-7	3/2/2020	2.84	3	0.16
	3/16/2021	3.22	3.27	0.05
	3/17/2021	3.2	3.25	0.05
	3/18/2021	3.23	3.3	0.07
	3/19/2021	3.38	3.41	0.03

No entry indicates no NAPL detected

Table 2 - Well Gauging Log

	3/22/2021	3.52	3.62	0.1
	3/26/2021	3.3	3.65	0.35
	3/27/2021		3.62	0
	4/6/2021	4.2	4.33	0.13
	4/7/2021	4.23	4.38	0.15
	4/8/2021	4.27	4.42	0.15
	4/20/2021	5.17	5.37	0.2
	4/29/2021	5.51	5.84	0.33
	5/14/2021	5.98	6.01	0.03
	7/13/2021	5.44	5.46	0.02
	10/13/2021	3.7	3.82	0.12
	1/19/2022		5.65	0
	2/12/2022		5.64	0
	2/23/2022	5.61	5.63	0.02
	3/15/2022	6.05	6.06	0.01
	3/21/2022	6.15	6.17	0.02
RW-8	3/2/2020		1.35	0
	4/20/2021	3.07	3.6	0.53
	4/29/2021	3.41	3.51	0.1
	5/13/2021	3.85	3.92	0.07
	7/13/2021	3.1	3.12	0.02
	10/14/2021		1.59	0
	1/19/2022	3.28	3.29	0.01
	2/12/2022		3.51	0
	2/23/2022	3.45	3.46	0.01
	3/15/2022	3.91	3.94	0.03
	3/21/2022	4.07	4.1	0.03
RW-9	7/8/2019	2.75	3.61	0.86
	3/26/2021	1.8	2.05	0.25
	3/27/2021	1.82	2.08	0.26
	3/30/2021	2.56	2.65	0.09
	3/31/2021	2.66	2.8	0.14
	4/6/2021	2.76	2.87	0.11
	4/7/2021	2.75	2.88	0.13
	4/8/2021	3.05	3.08	0.03
	4/20/2021	3.75	3.87	0.12
	4/29/2021		4	0
	5/13/2021		4.67	0
	7/13/2021		3.78	0
	10/14/2021	2.21	2.27	0.06
	1/19/2022	3.94	3.95	0.01
	2/12/2022		4	0
	2/23/2022	3.9	3.93	0.03
	3/15/2022		4.32	0
	3/21/2022	4.43	4.44	0.01
RW-10	3/2/2020	1.61	2.18	0.57
	4/20/2021	3.09	3.31	0.22

No entry indicates no NAPL detected

Table 2 - Well Gauging Log

	4/29/2021	3.52	3.53	0.01
	5/13/2021	3.77	3.79	0.02
	7/13/2021		3.16	0
	10/14/2021	1.71	1.72	0.01
	1/19/2022		3.33	0
	2/23/2022	3.5	3.7	0.2
	3/15/2022	3.8	3.95	0.15
RW-11	7/8/2019	1.05	2.55	1.5
	4/20/2021	2.26	2.94	0.68
	4/29/2021	2.92	2.94	0.02
	5/13/2021	2.9	3.2	0.3
	7/13/2021	2.16	3.22	1.06
	10/15/2021	1.06	6	4.94
	3/21/2022	2.6	2.9	0.3
RW-12	7/8/2019		0.86	0
	4/20/2021		2.07	0
	5/13/2021		2.67	0
	7/13/2021		1.89	0
	10/15/2021		0.5	0
MW-1	3/2/2020		2.67	0
	3/16/2021		3.19	0
	3/17/2021		3.02	0
	3/18/2021		3.14	0
	3/19/2021		3.23	0
	3/22/2021		3.6	0
	3/26/2021		3.55	0
	3/27/2021		3.61	0
	4/6/2021		4.15	0
	4/7/2021		4.17	0
	5/13/2021		8.87	0
	7/13/2021		5.46	0
	10/13/2021		3.72	0
	1/19/2022		5.61	0
	3/21/2022		6.01	0
MW-2	3/2/2020	2.28	2.3	0.02
	3/16/2021		2.88	0
	3/17/2021		2.94	0
	3/18/2021	2.905	2.91	0.005
	3/19/2021		2.98	0
	3/22/2021	3.1	3.13	0.03
	3/26/2021		3.3	0
	3/27/2021		3.44	0
	4/6/2021		3.81	0
	5/13/2021	5.67	5.68	0.01
	7/13/2021	5.1	5.17	0.07
	10/13/2021		3.41	0
	2/12/2022		5.89	0

No entry indicates no NAPL detected

Table 2 - Well Gauging Log

	2/23/2022		5.4	0
	3/15/2022		5.79	0
	3/21/2022		5.92	0
MW-6	3/2/2020	1.16	2.25	1.09
	3/26/2021	1.75	2.35	0.6
	3/27/2021	1.85	2.46	0.61
	3/30/2021	2.15	2.4	0.25
	3/31/2021	2.1	2.35	0.25
	4/6/2021	2.5	2.8	0.3
	4/7/2021	2.46	2.76	0.3
	4/8/2021	2.55	2.64	0.09
	4/20/2021	3.47	3.62	0.15
	4/29/2021	3.85	3.87	0.02
	5/13/2021	4.23	4.28	0.05
	7/13/2021		3.68	0
	10/13/2021	2	2.32	0.32
	1/19/2022		3.91	0
	2/12/2022	4.1	4.12	0.02
	2/23/2022	3.75	3.76	0.01
	3/15/2022	4.25	4.27	0.02
	3/21/2022	4.38	4.39	0.01
MW-7	3/2/2020		1.8	0
	3/27/2021		1.25	0
	3/30/2021		2.75	0
	4/6/2021		2.85	0
	4/7/2021		2.88	0
	5/13/2021		4.31	0
	10/14/2021		2.33	0
	1/19/2022		3.74	0
	3/21/2022		4.39	0
MW-33	3/2/2020		4.48	0
	3/16/2021		3.26	0
	3/17/2021		3.35	0
	3/18/2021		3.22	0
	3/19/2021		3.4	0
	3/22/2021		3.51	0
	3/26/2021		3.7	0
	3/27/2021		3.15	0
	4/6/2021		4.22	0
	4/20/2021	5.13	5.31	0.18
	4/29/2021		7.66	0
	5/13/2021	6.04	6.07	0.03
	7/13/2021	5.72	5.8	0.08
	10/13/2021		3.88	0
	2/12/2022		5.81	0
	2/23/2022		5.88	0
	3/15/2022	6.24	6.25	0.01

No entry indicates no NAPL detected

Table 2 - Well Gauging Log

3/21/2022	6.35	0
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No entry indicates no NAPL detected

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		MW-01	MW-01	MW-01	MW-01	MW-01	MW-02	MW-02
Date Sampled		2/23/2021	3/10/2021	3/31/2021	7/13/2021	12/29/2021	10/21/2020	2/23/2021
		Pre Injection		Post Injection		Pre Injection	RDC	Pre Injection
	Units							
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	ND	ND
MTBE	ug/L	1280	612	1230	758	422	453	114
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	18830	10200	8710	13300	4800	9430	3100
Toluene	ug/L	43700	22300	18600	23300	11800	19200	4930
Ethylbenzene	ug/L	2320	1080	1060	1220	872	1410	428
m/p-Xylene	ug/L	6710	3030	3390	5070	2700	4030	1200
o-Xylene	ug/L	3490	1460	1600	2380	1320	2130	683
1,2,4-Trimethylbenzene	ug/L	933	475	682	799	497	602	223
Naphthalene	ug/L	107	ND	102	ND	84.3	134	24.4
TVPH	mg/L	111	78.4	140	ND	57	119	17.4
Lactate	mg/L	ND	ND	ND	ND	ND	ND	ND
Acetate	mg/L	252	146	590	681	681	3.48	1.27
Propionate	mg/L	ND	ND	ND	ND	ND	ND	ND
Formate/Isobutyrate	mg/L	7.02	4.74	48.1	21.3	21.3	ND	ND
Butyrate	mg/L	86.0	28.7	ND	94.6	94.6	ND	ND
Pyruvate	mg/L	0.82	ND	2.35	ND	ND	ND	ND
Chloride	mg/L	28.8	50.1	30.7	32.9	32.9	23.8	14.5
Nitrite	mg/L	0.48	5.66	1.18	2.34	2.34	ND	ND
Succinate	mg/L	ND	ND	ND	2.10	2.10	ND	ND
Nitrate	mg/L	1.09	35.1	4.59	3.79	3.79	ND	ND
Sulfate	mg/L	ND	7160	2190	1660	1660	1.49	6.52
Phosphate	mg/L	ND	NA	NA	NA	NA	ND	ND
Sulfide	mg/L	ND	ND	ND	ND	ND	0.41	0.33
Methane	ug/L	5880	1680	2640	1100	957	756	276
Carbon Dioxide	mg/L	221	227	182	538	501	152	120

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02
Date Sampled		3/1/2021	3/10/2021	3/30/2021	5/14/2021	7/13/2021	12/29/2021	2/8/2022	3/3/2022
				Post Injection			Pre Injection		Post Injection
	Units								
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	ug/L	248	210	346	387	192	545	445	302
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5590	5240	7770	12400	7990	8180	7440	8610
Toluene	ug/L	11500	10400	16400	28800	14600	14200	15200	15500
Ethylbenzene	ug/L	626	620	1170	1540	1050	1050	1120	1290
m/p-Xylene	ug/L	1740	1770	3660	5530	2960	2930	2970	3170
o-Xylene	ug/L	962	976	1930	3160	1670	1700	1780	1790
1,2,4-Trimethylbenzene	ug/L	212	280	732	534	452	459	592	809
Naphthalene	ug/L	ND	ND	102	43.2	ND	86.9	172	288
TVPH	mg/L	37.7	41.0	88.4	137.0	ND	62.6	64.6	164
Lactate	mg/L	ND	ND	6.90	ND	ND	ND	ND	ND
Acetate	mg/L	ND	6.76	ND	13.4	16.8	39.2	56.8	48.5
Propionate	mg/L	ND	ND	ND	ND	ND	ND	ND	ND
Formate/Isobutyrate	mg/L	ND	ND	ND	ND	0.40	ND	ND	ND
Butyrate	mg/L	ND	ND	ND	ND	ND	ND	ND	ND
Pyruvate	mg/L	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	39.6	38.3	35.4	34.2	30.9	38.9	36.8	31.4
Nitrite	mg/L	ND	1.32	0.36	0.24	0.67	ND	ND	ND
Succinate	mg/L	ND	ND	ND	ND	1.35	ND	ND	ND
Nitrate	mg/L	58.3	36.7	9.67	7.77	2.96	ND	5.16	ND
Sulfate	mg/L	4020	2020	754	612	516	174	648	494
Phosphate	mg/L	ND	NA	NA	NA	NA	NA	NA	NA
Sulfide	mg/L	ND	ND	ND	ND	ND	ND	2.27	2.43
Methane	ug/L	439	445	469	980	513	517	664	707
Carbon Dioxide	mg/L	158	203	173	238	364	304	311	353

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06
Date Sampled		10/22/2020	3/23/2021	4/7/2021	5/13/2021	7/14/2021	12/29/2021	3/3/2022
		RDC	Pre Injection	Post Injection			Pre Injection	
	Units							
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	ND	ND
MTBE	ug/L	2210	1890	2070	2090	1110	1830	1700
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	17100	14100	20100	20300	8450	13200	14500
Toluene	ug/L	25800	20400	45700	38400	15500	29800	26100
Ethylbenzene	ug/L	2170	1840	3110	2550	1270	4780	2330
m/p-Xylene	ug/L	5580	4780	10600	7220	4880	20800	7730
o-Xylene	ug/L	3100	2580	5260	3430	2450	10100	3850
1,2,4-Trimethylbenzene	ug/L	1210	1080	2090	778	883	7360	1990
Naphthalene	ug/L	247	197	539	67.6	71.0	1340	303
TVPH	mg/L	181	131	108	171	ND	225	189
Lactate	mg/L	ND	ND	ND	ND	ND	ND	ND
Acetate	mg/L	4.16	6.59	19.3	32.5	ND	ND	4.81
Propionate	mg/L	ND	ND	ND	ND	ND	ND	ND
Formate/Isobutyrate	mg/L	ND	ND	ND	ND	ND	ND	ND
Butyrate	mg/L	ND	ND	ND	ND	ND	ND	ND
Pyruvate	mg/L	ND	ND	0.34	ND	ND	ND	ND
Chloride	mg/L	29.6	29.2	33.9	33.7	25.2	32.3	38.3
Nitrite	mg/L	ND	ND	ND	ND	0.33	3.09	ND
Succinate	mg/L	ND	ND	ND	ND	1.59	ND	ND
Nitrate	mg/L	ND	ND	5.73	8.22	1.82	ND	6.17
Sulfate	mg/L	1.87	7.43	304	459	105	877	882
Phosphate	mg/L	ND	NA	NA	NA	NA	NA	NA
Sulfide	mg/L	0.29	ND	ND	ND	ND	ND	ND
Methane	ug/L	1480	823	1010	2200	1400	901	1670
Carbon Dioxide	mg/L	348	208	228	296	270	270	325

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		MW-07	MW-07	MW-07	MW-07	MW-07	MW-33	MW-33
Date Sampled		10/23/2020	3/25/2021	4/6/2021	5/13/2021	12/29/2021	10/20/2020	2/23/2021
		RDC	Pre Injection	Post Injection			RDC	Pre Injection
	Units							
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	ND	ND
MTBE	ug/L	ND	ND	ND	ND	ND	278	27.4
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	7430	2570	3090	5740	444	8660	2350
Toluene	ug/L	30600	10200	15100	26000	196	19600	4030
Ethylbenzene	ug/L	2470	869	1220	1550	151	1660	547
m/p-Xylene	ug/L	8230	2730	3950	6180	552	3990	1230
o-Xylene	ug/L	4000	1320	1800	2520	255	2700	860
1,2,4-Trimethylbenzene	ug/L	1260	545	633	509	135	915	323
Naphthalene	ug/L	250	143	180	ND	27.9	192	43.8
TVPH	mg/L	65.1	67.0	ND	127	ND	94.7	18.0
Lactate	mg/L	ND	0.37	ND	ND	ND	ND	ND
Acetate	mg/L	ND	0.24	ND	ND	ND	0.84	ND
Propionate	mg/L	ND	ND	ND	0.27	ND	ND	ND
Formate/Isobutyrate	mg/L	ND	ND	ND	ND	ND	ND	ND
Butyrate	mg/L	ND	ND	ND	ND	ND	ND	ND
Pyruvate	mg/L	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	28.6	11.1	34.2	31.9	8.74	73.2	29.7
Nitrite	mg/L	ND	ND	1.26	0.61	ND	ND	ND
Succinate	mg/L	ND	ND	ND	ND	ND	ND	ND
Nitrate	mg/L	ND	ND	54.1	38.2	ND	ND	ND
Sulfate	mg/L	13.8	13.1	2050	1510	433	14.8	38.6
Phosphate	mg/L	ND	NA	NA	NA	NA	ND	ND
Sulfide	mg/L	ND	ND	ND	ND	ND	0.62	1.27
Methane	ug/L	201	128	175	215	108	508	221
Carbon Dioxide	mg/L	268	106	165	278	131	225	190

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		MW-33	MW-33	MW-33	MW-33	MW-33	MW-33	MW-33
Date Sampled		3/10/2021	3/30/2021	5/13/2021	7/13/2021	12/29/2021	2/8/2022	3/3/2022
			Post Injection			Pre Injection		Post Injection
	Units							
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	ND	ND
MTBE	ug/L	103	104	290	246	ND	225	238
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	3390	3380	11900	11100	24.3	7450	8150
Toluene	ug/L	8970	7000	28700	23900	1.03	10700	16000
Ethylbenzene	ug/L	761	780	2280	1660	ND	1260	1360
m/p-Xylene	ug/L	2510	2380	6550	4830	4.40	3030	3320
o-Xylene	ug/L	1460	1350	3870	2630	1.71	1700	1880
1,2,4-Trimethylbenzene	ug/L	504	737	1350	653	0.73	585	544
Naphthalene	ug/L	44.0	106	81.1	ND	ND	62.1	129
TVPH	mg/L	38.9	40.4	133	ND	ND	57.6	138
Lactate	mg/L	ND	ND	ND	ND	ND	ND	ND
Acetate	mg/L	1.57	ND	5.37	21.5	ND	82.9	66.0
Propionate	mg/L	ND	ND	ND	ND	ND	ND	ND
Formate/Isobutyrate	mg/L	ND	ND	ND	ND	ND	ND	ND
Butyrate	mg/L	ND	ND	2.16	4.75	ND	4.76	3.68
Pyruvate	mg/L	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	50.9	48.1	98.2	120	301	82.1	83.4
Nitrite	mg/L	7.44	ND	0.93	0.86	ND	ND	ND
Succinate	mg/L	ND	1.06	ND	5.34	ND	ND	ND
Nitrate	mg/L	41.4	22.2	6.18	2.83	ND	6.30	2.30
Sulfate	mg/L	3680	1550	628	408	248	528	289
Phosphate	mg/L	NA	NA	NA	NA	NA	NA	NA
Sulfide	mg/L	ND	ND	ND	ND	ND	ND	ND
Methane	ug/L	374	160	509	397	91.6	388	498
Carbon Dioxide	mg/L	187	168	279	362	201	296	329

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		RW-01	RW-01	RW-01	RW-01	RW-01	RW-01	RW-01
Date Sampled		10/21/2020	2/23/2021	3/10/2021	3/30/2021	5/14/2021	7/13/2021	12/29/2021
		RDC	Pre Injection		Post Injection			Pre Injection
	Units							
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	ND	ND
MTBE	ug/L	1320	1440	1220	914	2640	1630	1750
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	17600	16600	9720	9010	14900	18100	9730
Toluene	ug/L	42400	38300	15600	21500	26000	30900	15900
Ethylbenzene	ug/L	2150	1980	630	1720	1270	1910	991
m/p-Xylene	ug/L	6620	6770	1630	5500	4890	7690	5220
o-Xylene	ug/L	3360	3410	738	2420	1550	3430	3100
1,2,4-Trimethylbenzene	ug/L	988	1270	129	993	299	1010	1000
Naphthalene	ug/L	188	140	ND	219	ND	ND	88.9
TVPH	mg/L	216	113	84.3	135	129	59.5	73.9
Lactate	mg/L	ND	ND	ND	13.4	ND	ND	ND
Acetate	mg/L	252	191	303	268	1940	1580	988
Propionate	mg/L	3.51	1.26	ND	3.05	ND	ND	12.7
Formate/Isobutyrate	mg/L	10.6	6.86	ND	19.5	45.9	46.5	86.9
Butyrate	mg/L	197	50.2	44.0	48.0	433	360	ND
Pyruvate	mg/L	ND	1.25	ND	ND	ND	ND	6.76
Chloride	mg/L	17.1	26.2	69.3	58.9	29.8	29.9	29.3
Nitrite	mg/L	0.52	0.25	0.35	ND	2.34	3.14	2.71
Succinate	mg/L	ND	ND	ND	10.6	ND	3.27	29.3
Nitrate	mg/L	ND	ND	100	7.99	1.90	2.57	ND
Sulfate	mg/L	ND	0.38	4940	3640	940	1060	976
Phosphate	mg/L	ND	ND	NA	NA	NA	NA	NA
Sulfide	mg/L	ND	0.22	ND	ND	NA	3.11	ND
Methane	ug/L	11000	5800	4510	1340	805	2220	3080
Carbon Dioxide	mg/L	169	211	188	248	529	405	306

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		RW-02	RW-02	RW-02	RW-02	RW-02	RW-02	RW-02
Date Sampled		10/21/2020	2/23/2021	3/10/2021	3/23/2021	5/14/2021	7/13/2021	12/29/2021
		RDC	Pre Injection		Post Injection			Pre Injection
	Units							
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	ND	ND
MTBE	ug/L	1880	2420	2490	1900	1690	1640	1780
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	23900	21500	19800	16800	21000	18600	17700
Toluene	ug/L	68000	62400	61000	48500	68600	51200	40300
Ethylbenzene	ug/L	5420	5390	5020	3890	5240	4890	3200
m/p-Xylene	ug/L	19200	19800	17100	12600	19100	17000	9690
o-Xylene	ug/L	9200	9550	7760	5860	9890	8240	4710
1,2,4-Trimethylbenzene	ug/L	3720	4650	3450	3310	5300	4160	2220
Naphthalene	ug/L	709	675	349	661	200	316	320
TVPH	mg/L	934	421	605	495	500	326	509
Lactate	mg/L	ND	ND	ND	ND	ND	ND	ND
Acetate	mg/L	960	1130	832	941	1500	1270	1100
Propionate	mg/L	ND	8.04	ND	ND	ND	ND	ND
Formate/Isobutyrate	mg/L	30.7	68.3	105	82.8	67.8	67.9	50.4
Butyrate	mg/L	262	522	884	484	296	317	295
Pyruvate	mg/L	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	111	83.5	50.7	72.9	90.3	115	82.1
Nitrite	mg/L	8.18	9.51	13.0	8.77	7.20	9.10	12.1
Succinate	mg/L	ND	ND	ND	1.96	ND	1.00	ND
Nitrate	mg/L	ND	ND	3.77	26.8	19.7	21.1	4.01
Sulfate	mg/L	1.56	1.67	124	966	446	589	462
Phosphate	mg/L	ND	ND	NA	NA	NA	NA	NA
Sulfide	mg/L	ND	ND	ND	ND	ND	ND	ND
Methane	ug/L	17500	17200	17300	12100	11800	19300	12700
Carbon Dioxide	mg/L	ND	53.6	46.4	61.5	45.7	52.3	229

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		RW-02	RW-02	RW-03	RW-03	RW-03	RW-03	RW-03
Date Sampled		2/8/2022	3/3/2022	10/20/2020	2/23/2021	3/30/2021	5/14/2021	7/13/2021
			Post Injection	RDC	Pre Injection	Post Injection		
	Units							
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	ND	ND
MTBE	ug/L	1870	1660	206	182	126	239	215
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	15200	15400	13600	11300	6790	15200	11900
Toluene	ug/L	42500	40600	39800	31900	17900	54200	32900
Ethylbenzene	ug/L	3620	3460	2840	2570	1510	5200	2700
m/p-Xylene	ug/L	11700	11100	10100	9800	4940	19600	10300
o-Xylene	ug/L	5580	5510	4830	4560	2310	9200	5170
1,2,4-Trimethylbenzene	ug/L	3800	3230	1690	4390	847	7130	1810
Naphthalene	ug/L	713	556	391	551	111	447	130
TVPH	mg/L	726	567	150	164	93.7	131	55.9
Lactate	mg/L	ND	ND	ND	6.23	ND	ND	ND
Acetate	mg/L	949	1300	5.66	ND	ND	8.18	ND
Propionate	mg/L	25.4	ND	ND	ND	ND	ND	ND
Formate/Isobutyrate	mg/L	52.9	47.3	ND	ND	ND	ND	ND
Butyrate	mg/L	317	291	0.20	ND	ND	ND	ND
Pyruvate	mg/L	ND	2.98	ND	ND	ND	ND	ND
Chloride	mg/L	81.5	107	73.1	79.6	81.7	68.0	70.9
Nitrite	mg/L	11.8	9.59	0.25	ND	0.77	ND	ND
Succinate	mg/L	ND	ND	ND	2.05	1.70	ND	2.54
Nitrate	mg/L	8.60	14.8	ND	1.28	25.2	1.54	1.99
Sulfate	mg/L	431	935	9.24	11.2	1820	106	206
Phosphate	mg/L	NA	NA	ND	ND	NA	NA	NA
Sulfide	mg/L	ND	ND	ND	ND	ND	ND	0.38
Methane	ug/L	13100	12700	1490	1240	320	682	535
Carbon Dioxide	mg/L	64.9	91.9	251	231	186	283	304

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		RW-03	RW-03	RW-03	RW-05	RW-05	RW-05	RW-05
Date Sampled		12/29/2021	2/8/2022	3/3/2022	10/22/2020 RDC	3/23/2021 Pre Injection	4/7/2021 Post Injection	5/13/2021
	Units							
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	ND	ND
MTBE	ug/L	254	293	126	1960	1720	1850	1680
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	8840	9450	4400	18100	17800	19700	21500
Toluene	ug/L	20700	27600	10800	29100	29200	33900	42000
Ethylbenzene	ug/L	1620	2220	1040	2310	2230	1890	2880
m/p-Xylene	ug/L	6100	8400	3490	6500	6950	5610	9140
o-Xylene	ug/L	3630	4390	1930	3530	3610	2770	4690
1,2,4-Trimethylbenzene	ug/L	1220	2440	923	1180	1420	705	922
Naphthalene	ug/L	107	382	221	250	273	96.3	ND
TVPH	mg/L	82.3	109	136	179	145	50.5	163
Lactate	mg/L	ND	ND	ND	ND	ND	ND	ND
Acetate	mg/L	22.9	23.3	19.7	ND	8.76	ND	3.54
Propionate	mg/L	ND	ND	ND	ND	ND	ND	ND
Formate/Isobutyrate	mg/L	ND	ND	ND	ND	ND	ND	ND
Butyrate	mg/L	ND	ND	ND	ND	ND	ND	ND
Pyruvate	mg/L	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	61.1	60.1	61.0	46.2	58.8	54.0	46.4
Nitrite	mg/L	ND	ND	ND	ND	ND	2.22	0.64
Succinate	mg/L	ND	ND	ND	ND	ND	ND	ND
Nitrate	mg/L	ND	ND	4.11	1.84	ND	5.67	5.81
Sulfate	mg/L	218	266	940	4.42	11.3	824	476
Phosphate	mg/L	NA	NA	NA	ND	NA	NA	NA
Sulfide	mg/L	ND	ND	ND	ND	ND	ND	ND
Methane	ug/L	467	462	447	2900	1780	1460	1640
Carbon Dioxide	mg/L	336	390	360	411	191	182	269

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		RW-05	RW-05	RW-05	RW-07	RW-07	RW-07	RW-07
Date Sampled		7/14/2021	12/29/2021	3/3/2022	10/20/2020	2/23/2021	3/10/2021	3/31/2021
			Pre Injection		RDC	Pre Injection		Post Injection
	Units							
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	ND	ND
MTBE	ug/L	1310	1720	1830	429	1030	263	336
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	12200	13900	16000	18700	14700	8350	8300
Toluene	ug/L	26000	19600	30900	44200	35000	20100	19700
Ethylbenzene	ug/L	2160	2180	2760	2640	2940	1480	1500
m/p-Xylene	ug/L	7600	8520	10600	10900	15200	6940	6100
o-Xylene	ug/L	3690	4540	5070	5160	6860	3010	2840
1,2,4-Trimethylbenzene	ug/L	1400	1960	2390	1740	3290	1150	1630
Naphthalene	ug/L	83.3	376	240	404	505	ND	320
TVPH	mg/L	ND	112	162	179	158	194	112
Lactate	mg/L	ND	ND	ND	ND	ND	ND	ND
Acetate	mg/L	1.49	2.86	8.02	2.01	1.76	4.25	ND
Propionate	mg/L	ND	ND	ND	0.21	ND	ND	ND
Formate/Isobutyrate	mg/L	ND	ND	ND	ND	ND	ND	ND
Butyrate	mg/L	ND	ND	ND	ND	ND	ND	ND
Pyruvate	mg/L	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	32.5	47.6	44.5	23.3	33.5	34.9	37.4
Nitrite	mg/L	ND	ND	ND	ND	ND	12.0	24.3
Succinate	mg/L	2.04	ND	ND	ND	ND	ND	ND
Nitrate	mg/L	2.00	ND	2.62	ND	ND	42.5	2.06
Sulfate	mg/L	154	309	572	8.04	2.89	2540	2680
Phosphate	mg/L	NA	NA	NA	ND	ND	NA	NA
Sulfide	mg/L	ND	ND	ND	ND	ND	ND	ND
Methane	ug/L	1720	2110	1100	3210	6000	2350	1130
Carbon Dioxide	mg/L	255	242	267	247	228	243	193

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		RW-07	RW-07	RW-07	RW-07	RW-07	RW-09	RW-09
Date Sampled		5/14/2021	7/13/2021	12/29/2021	2/8/2022	3/3/2022	10/22/2020	3/24/2021
				Pre Injection		Post Injection	RDC	Pre Injection
	Units							
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	12.8	ND
MTBE	ug/L	340	270	292	499	433	2440	2220
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	9990	10400	6900	11500	11000	14500	15500
Toluene	ug/L	22600	19400	11500	23000	14000	36300	31800
Ethylbenzene	ug/L	1330	1100	907	1870	567	2480	2290
m/p-Xylene	ug/L	6410	5390	8380	16900	12100	8320	7490
o-Xylene	ug/L	2730	2660	4250	8390	7350	4160	3740
1,2,4-Trimethylbenzene	ug/L	770	925	1550	10900	4540	1710	1650
Naphthalene	ug/L	ND	ND	160	505	465	400	326
TVPH	mg/L	130	ND	65.0	278	166	157	150
Lactate	mg/L	ND	ND	ND	2.09	ND	ND	ND
Acetate	mg/L	261	214	8.24	93.7	55.1	1730	2000
Propionate	mg/L	5.21	ND	ND	ND	ND	ND	ND
Formate/Isobutyrate	mg/L	13.4	ND	ND	ND	ND	106	79.8
Butyrate	mg/L	48.3	4.23	ND	5.35	ND	162	114
Pyruvate	mg/L	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	27.6	16.5	22.6	30.4	27.0	24.5	23.1
Nitrite	mg/L	ND	ND	ND	ND	ND	10.3	ND
Succinate	mg/L	ND	ND	ND	ND	ND	ND	ND
Nitrate	mg/L	2.51	2.97	5.35	4.34	4.84	ND	ND
Sulfate	mg/L	794	606	418	464	330	1.71	4.64
Phosphate	mg/L	NA	NA	NA	NA	NA	ND	NA
Sulfide	mg/L	NA	8.84	23.5	ND	ND	ND	ND
Methane	ug/L	1190	1560	1350	1630	1900	34600	14200
Carbon Dioxide	mg/L	427	368	313	388	493	74.8	ND

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		RW-09	RW-09	RW-09	RW-09	RW-09	RW-11	RW-11
Date Sampled		4/7/2021	5/13/2021	7/14/2021	12/28/2021	3/3/2022	10/23/2020	4/8/2021
		Post Injection			Pre Injection		RDC	Post Injection
	Units							
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	ND	ND
MTBE	ug/L	2090	2020	1330	1660	1880	ND	397
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	11100	11800	8110	7220	5960	23500	759
Toluene	ug/L	33400	27400	16200	15500	12400	204000	331
Ethylbenzene	ug/L	2290	1430	1160	2300	1010	33600	13.8
m/p-Xylene	ug/L	7530	5140	4020	8680	3550	119000	24.9
o-Xylene	ug/L	3580	2930	2050	4020	1910	50600	7.11
1,2,4-Trimethylbenzene	ug/L	1180	531	726	4160	1180	55600	5.96
Naphthalene	ug/L	137	ND	69.0	504	261	6710	ND
TVPH	mg/L	50.7	138	ND	107	114	1470	ND
Lactate	mg/L	ND	ND	ND	NA	ND	NA	ND
Acetate	mg/L	1590	1930	1090	NA	1450	NA	ND
Propionate	mg/L	ND	ND	ND	NA	ND	NA	ND
Formate/Isobutyrate	mg/L	71.1	95.3	75.6	NA	68.7	NA	ND
Butyrate	mg/L	121	146	145	NA	207	NA	ND
Pyruvate	mg/L	ND	ND	ND	NA	ND	NA	ND
Chloride	mg/L	29.4	27.6	21.9	NA	34.7	NA	329
Nitrite	mg/L	4.80	7.51	3.63	NA	5.44	NA	ND
Succinate	mg/L	1.38	ND	1.18	NA	ND	NA	ND
Nitrate	mg/L	9.80	6.41	1.31	NA	4.96	NA	38.7
Sulfate	mg/L	848	639	194	NA	1010	NA	1260
Phosphate	mg/L	NA	NA	NA	NA	NA	NA	NA
Sulfide	mg/L	ND	NA	ND	NA	ND	NA	ND
Methane	ug/L	11900	10700	14500	NA	6610	NA	NA
Carbon Dioxide	mg/L	182	258	238	NA	319	NA	NA

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.		RW-11	RW-11	RW-12	RW-12	RW-12	RW-12	RW-12
Date Sampled		5/14/2021	7/14/2021	10/23/2020	4/6/2021	4/8/2021	5/14/2021	7/13/2021
				RDC	Pre Injection	Post Injection		
	Units							
Dimethyl Sulfide	ug/L	ND	ND	ND	ND	ND	ND	ND
MTBE	ug/L	379	382	152	246	128	248	ND
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	13700	7650	5100	8750	2380	6130	964
Toluene	ug/L	38100	25600	7820	586	101	3930	2350
Ethylbenzene	ug/L	4860	2540	918	915	107	273	198
m/p-Xylene	ug/L	12800	9120	4010	998	106	2850	2590
o-Xylene	ug/L	6210	4500	2690	806	105	2440	1760
1,2,4-Trimethylbenzene	ug/L	3670	1620	565	446	42.3	732	845
Naphthalene	ug/L	360	ND	57.7	146	21.8	37.3	33.6
TVPH	mg/L	150	50	38.5	ND	ND	33.6	12.3
Lactate	mg/L	ND	ND	ND	ND	ND	ND	ND
Acetate	mg/L	101	146	ND	ND	ND	1.24	ND
Propionate	mg/L	4.85	4.55	ND	ND	ND	ND	ND
Formate/Isobutyrate	mg/L	ND	ND	ND	ND	ND	ND	ND
Butyrate	mg/L	48.1	22.4	ND	ND	ND	ND	ND
Pyruvate	mg/L	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	21.4	18.7	15.5	13.4	28.8	15.0	5.22
Nitrite	mg/L	0.77	0.31	ND	ND	ND	ND	ND
Succinate	mg/L	ND	ND	ND	ND	5.11	ND	ND
Nitrate	mg/L	1.19	0.94	ND	ND	51.4	0.66	0.64
Sulfate	mg/L	553	330	111	131	2690	154	54.7
Phosphate	mg/L	NA	NA	ND	NA	NA	NA	NA
Sulfide	mg/L	NA	ND	0.44	ND	ND	NA	ND
Methane	ug/L	50.8	174	48.9	72.3	52.1	43.3	55.3
Carbon Dioxide	mg/L	224	85.6	95.6	161	113	151	47.2

Table 3 - Groundwater Analytical Data

Circle K #2720886

Sample ID. No.	RW-12	
Date Sampled	12/29/2021	
	Units	
Dimethyl Sulfide	ug/L	ND
MTBE	ug/L	154
1,2-Dichloroethane	ug/L	ND
Benzene	ug/L	3500
Toluene	ug/L	3840
Ethylbenzene	ug/L	535
m/p-Xylene	ug/L	2020
o-Xylene	ug/L	1520
1,2,4-Trimethylbenzene	ug/L	447
Naphthalene	ug/L	76.9
TVPH	mg/L	21.2
Lactate	mg/L	ND
Acetate	mg/L	ND
Propionate	mg/L	ND
Formate/Isobutyrate	mg/L	ND
Butyrate	mg/L	ND
Pyruvate	mg/L	ND
Chloride	mg/L	12.8
Nitrite	mg/L	ND
Succinate	mg/L	ND
Nitrate	mg/L	ND
Sulfate	mg/L	395
Phosphate	mg/L	NA
Sulfide	mg/L	ND
Methane	ug/L	91.5
Carbon Dioxide	mg/L	183

ATTACHMENT A

Attachment A



Injection materials staged and secured – January 12, 2022



Injection system setup on site – January 18, 2022

Attachment A



Injection grid layout – January 18, 2022



Initial soil boring – January 18, 2022

Attachment A



Soil boring samples – January 18, 2022



On site injection area – January 18, 2022

Attachment A

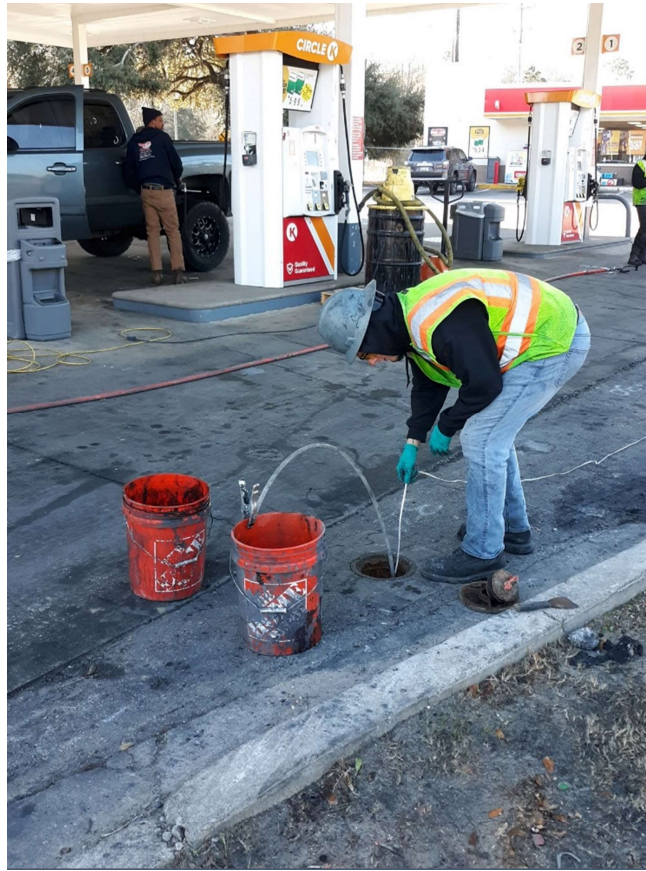


AST injection system (mix tank and pumps) – January 19, 2022



Injecting point B-57 – January 21, 2022

Attachment A



Redeveloping RW-2 – February 1, 2022



Injecting point A-11 – February 8, 2022

Attachment A



Injecting in Area A – February 16, 2022



Onsite restoration – February 17, 2022

Attachment A



Onsite restoration – February 17, 2022



Injection system setup in median of US-17 – February 17, 2022

Attachment A



Injection grid layout in median – February 18, 2022



Daylighting while injecting C-03 – February 19, 2022

Attachment A



Median restoration – March 17, 2022



Injection system setup on southbound shoulder of US-17 – March 17, 2022

Attachment A



Daylighting while injecting F-20 – March 17, 2022



Shoulder work zone restoration – March 21, 2022

Attachment A



Material staging area restoration – March 22, 2022



Shoulder work zone restoration – March 22, 2022