Corrective Action System Evaluation and Monitoring Report

2nd half 2024

Circle K # 2720886

UST Site # 01589

4315 Savannah Highway, Ravenel, South Carolina

PREPARED FOR:

And
South Carolina Department of Environmental Services-
UST Management Division

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Corrective Action System Evaluation and Monitoring Report
2nd Semi-Annual Period 2024
Circle K Store no. 2720886
Release Reported 8/2/2018
4315 Savannah Highway
Ravenel (Charleston County), South Carolina
UST Permit No. 01589, CA # 61117
Atlas Project No. 257CK88613

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Underground Storage Tank Site Rehabilitation
Contractor Certification No. 313

November 12, 2024

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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 second half of 2024.

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 the 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, Atlas (formerly 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.

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 September 12 and 13, 2024. Monitoring well 01589 MW-37 appeared to be beneath heavy equipment and was not accessible at this time. 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 on the site were found to be lower than measured in March 2024, ranging from 2.89 feet below top of casing in well 01589 MW-21 to 5.61 feet in well 10589 MW-14. There does not appear to be a seasonal pattern to

water levels across the site (such as higher levels in spring vs. lower levels in fall). The horizontal gradient, as calculated between wells 01589 MW-2 and 01589 MW-27, is (16.83-12.58) / 500 ft., or 0.0085. The vertical hydraulic gradient, as measured between paired shallow and deep cased wells, was upward between well pairs 01589 MW-1/DW-1 (0.37 ft.) 01589 MW-34/01589 DMW-5 (0.33ft.), and 01589 MW-24/01589 DW-3 (0.5 ft.), and downward between 01589 DMW-2/01589 MW-22 (0.12ft.), and 01589 MW-16/01589 DW-4 (1.4 ft.).

During this event, LNAPL was encountered in monitoring well 01589 MW-6 (0.2 ft.), 01589 MW-33 (0.23 ft), and recovery wells 01589 RW-5 (0.03 ft.), 01589 RW-11A (indeterminant heavy sheen, less than 0.01 ft.) and 01589 RW-11B (indeterminant heavy sheen, less than 0.01 ft.). The LNAPL encountered in recovery wells 01589 RW-11A and 01589 RW-11B 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. Thickness measurements in these wells could only be approximated using a bailer.

3.2 Groundwater Sampling and Analyses

Groundwater samples were collected from monitoring wells for analysis of Chemicals of Concern (CoCs) on September 12 and 13, 2024. 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). Monitoring well 01589 MW-37 appeared to be beneath heavy equipment and was not accessible at this time. 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. These included wells 01589 MW-7, 01589 MW-8, 01589 MW-16, 01589 MW-17, 01589 MW-20, 01589 MW-21, 01589 MW-25, 01589 MW-26R, 01589 MW-27, 01589 MW-29R, 01589 MW-36, and the deep cased wells 01589 DMW-1 through 01589 DMW-5. Removal of a minimum of one up 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 for disposal at an-approved facility. 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-1 (DUP-1), 01589 MW-15 (DUP-2), and 01589 MW-2 (DUP-3) concurrent with collection of the original samples. Field blanks were collected on September 12 and 13, 2024 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 to the laboratory for the sampling event. The water samples for all sample dates were transported via overnight shipper to a SC-certified analytical laboratory (Pace Analytical Laboratories, Inc., of 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 report for groundwater sampling data, including chain-of-custody documentation and quality assurance, is presented in ***Appendix B***.

3.3 Surface Water Sampling and Analysis

Surface water sampling was also performed on September 12 and 13, 2024, 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. All sample locations were able to be sampled at this time, except for sample location SW-1 (dry). 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. No duplicate samples were collected for surface water samples.

Surface water samples were analyzed by SGS 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 report for surface water sampling data, including chain-of-custody documentation and quality assurance, is 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, and WSW-13 were accessed for sampling on September 13, 2024. Well 01589 WSW-16, included in the sampling program, could not be accessed due to a locked fence. The owner or occupant of the site could not be reached, so this well was not sampled.

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 (DUP-1) was collected from water well 01589 WSW-12 on September 13, 2024. A field blank (01589 WSW-FB) was collected on the same day. A trip blank accompanied the sample shipper.

Water well samples and quality control samples (duplicates, blanks) were submitted to Pace Analytical Services, Inc. of Huntersville, NC for analysis of 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 in ***Figure 12***. The laboratory analytical report for water well sampling data, including chain-of-custody documentation and quality assurance, is 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-1, 01589 MW-15, and 01589 MW-2, and water supply well 01589 WSW-13. The duplicates were submitted for analysis of the same parameters as the original samples. The RPD was calculated using the formula:

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

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, and ***Table 9*** for water wells. The 20% RPD was exceeded for one CoC between 01589 MW-1 and its duplicate (xylenes at 62%) and six CoCs between 01589 MW-3 and its duplicate (benzene at 29%, toluene at 31%, ethylbenzene at 42%, xylenes at 41%, naphthalene at 23%, and tert-amyl alcohol at 21%). It is suggested that significant sample dilutions (100 to 200 times) may have caused the errors.

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 (µg/L) to allow for easy comparison. The comparability criteria are 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-29R, 01589 MW-32, 01589 RW-1, 01589 RW-2, 01589 RW-3, 01589 RW-6, 01589 RW-7, 01589 RW-8, 01589 RW-9, 01589 RW-10, and 01589 RW-12.

4.0 PERFORMANCE METRICS

4.1 Remediation System Operation

During the period between the prior CASE report submittal and this reporting period, no remedial actions occurred.

4.2 Groundwater COC Evaluation

Based on the results of the CASE sampling performed for the 2nd half of 2024, the following observations are presented:

- Water levels on the site were found to be lower than measured in March 2024, ranging from 2.89 feet (01589 MW-21) to 5.61 feet (01589 MW-14) below top of casing. Groundwater flow is to the north-northwest to northwest, as measured in both water table wells and in the deeper cased wells, in accordance with historic trends.
- Thin free product layers were encountered in wells 01589 MW-6, 01589 MW-33, 01589 RW-5, 01589 RW-11A, and 01589 RW-11B. Thin layers or sheens of residual emulsified product remain in recovery wells 01589 RW-11A and 01589 RW-11B, which intercept product that has been in contact with the asphaltic subbase of Savannah Highway. Previous AFVR treatments appear to have removed the bulk of product that potentially remains mobile.
- CoC levels in most of the impacted monitoring and recovery wells increased during this event, possibly due to the lower water table elevation relative to March 2024.
- The MTBE level in 01589 DW-3 (18.6 µg/L) continued to increase. MTBE concentration in well 01589 MW-25 west of the site has increased above the SSTL, and MTBE is present above the SSTL in well 01589 MW-26R, north of the site. This indicates that MTBE and other, more water-soluble alcohols

and ethers, are actively migrating beyond the initial area impacted by the less soluble aromatic hydrocarbons.

- COCs remain below detection in water supply well samples collected during this reporting period. Well WSW-16, located west of the site area, was not able to be sampled during this event due to the well being in a locked area with no contact with the owner possible.
- All but one (01589 SW-1) established surface water locations were able to be sampled during this period. Other than a trace of toluene (9.4 µg/L) in the sample from 01598 SW-6, no CoCs were present above detectable levels.

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 **74.12%** for this reporting period. However, the following comments concerning this calculation are offered:

1: Due to the return of a thin free product layer in wells 01598 MW-6 and 01589 MW-33, the results from the latest available sample results are utilized.

2: Since well 01589 MW-37 was blocked by heavy equipment and was not accessible, the results from September 2023 are utilized (all CoCs are historically non-detected in this well).

3: Since water well 01589 WSW-16 remains inaccessible, results from March 2023 are utilized.

4: As surface water sample location 01589 SW-1 was dry, values from the latest sampling results are utilized.

5.0 SUMMARY

During this reporting period, Atlas sampled all but one monitoring wells associated with the site, eight of nine surface water locations and two of the four water wells specified in the CAP. (Water well 01589 WSW-15 has been determined to be decommissioned and has been removed from the sampling program, and 01589 WSW-16 was not accessible during this event).

Findings from this sampling event indicate that the free product that has been so prolific at the site has been reduced to thin layers or heavy sheens in two recovery wells and two monitoring wells (01589 MW-6, and 01589 MW-33). Dissolved levels show a slow trend overall of decreasing concentrations, although the lowering of the water table has shown increased levels relative to March 2024. The overall reduction of mass above SSTL mass decreased from 82% in March 2024 to 74% this event.

Activities planned for the upcoming period before the next sampling event include performance of AFVR events to recover residual product.

Once product has been removed, a decision could be made whether to continue with the current natural attenuation strategy, or whether to investigate alternative methods to achieve SSTLs in a timely manner.

In accordance with the sampling schedule presented in the CAP, the first semi-annual sampling of all wells will be conducted in March 2023, 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
	9/28/2022				NM	4.14	0.00	17.48
	3/28/2023				NM	4.42	0.00	17.20
	9/18/2023				NM	5.75	0.00	15.87
	3/20/2024				NM	3.42	0.00	18.20
	9/13/2024				NM	4.98	0.00	16.64
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	19.29
	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
	9/28/2022				NM	3.94	0.00	17.65
	3/28/2023				NM	4.17	0.00	17.42
	9/18/2023				NM	5.06	0.00	16.53
	3/20/2024				NM	2.58	0.00	19.01
	9/13/2024				NM	4.76	0.00	16.83
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
	9/28/2022				NM	4.38	0.00	18.56
	3/28/2023				NM	4.54	0.00	18.40
	9/18/2023				NM	3.54	0.00	19.40
	3/19/2024				NM	3.30	0.00	19.64
	9/12/2024				NM	4.97	0.00	17.97
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
	9/27/2022				NM	4.16	0.00	18.64
	3/28/2023				NM	4.60	0.00	18.20
	9/18/2023				NM	3.54	0.00	19.26
	3/19/2024				NM	2.96	0.00	19.84
	9/12/2024				NM	4.84	0.00	17.96
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
	9/27/2022				NM	4.33	0.00	19.24
	3/28/2023				NM	4.61	0.00	18.96
	9/18/2023				NM	5.79	0.00	17.78
	3/19/2024				NM	3.18	0.00	20.39
	9/12/2024				NM	4.75	0.00	18.82
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
	9/28/2022				2.55	2.79	0.24	16.36
	3/28/2023				2.71	2.98	0.27	16.15
	9/18/2023				3.48	3.48	0.00	15.85
	3/19/2024				1.45	1.59	0.14	17.64
	9/12/2024				3.37	3.57	0.20	15.61
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
	9/28/2022				NM	2.81	0.00	16.74
	3/29/2023				NM	2.93	0.00	16.62
	9/18/2023				NM	2.72	0.00	16.83
	3/19/2024				NM	1.76	0.00	17.79
	9/12/2024				NM	3.43	0.00	16.12

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
	9/28/2022				NM	3.09	0.00	16.05
	3/29/2023				NM	3.04	0.00	16.10
	9/18/2023				NM	2.13	0.00	17.01
	3/19/2024				NM	1.98	0.00	17.16
	9/12/2024				NM	3.52	0.00	15.62
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
	9/27/2022				NM	3.13	0.00	13.37
	3/29/2023				NM	3.00	0.00	13.50
	9/18/2023				NM	1.55	0.00	14.95
	3/19/2024				NM	2.44	0.00	14.06
	9/12/2024				NM	3.31	0.00	13.19
01589 MW-10	11/22/2018	17.63	2.0 - 12.0	12.0	NM	3.09	0.00	14.54
	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
	9/27/2022				NM	3.53	0.00	14.10
	3/29/2023				NM	3.13	0.00	14.50
	9/18/2023				NM	1.74	0.00	15.89
	3/19/2024				NM	2.51	0.00	15.12
	9/12/2024				NM	3.60	0.00	14.03
01589 MW-11	11/22/2018	18.13	2.0 - 12.0	12.0	NM	2.85	0.00	15.28
	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
	9/27/2022				NM	3.78	0.00	14.35
	3/29/2023				NM	3.21	0.00	14.92
	9/18/2023				NM	1.81	0.00	16.32
	3/19/2024				NM	2.51	0.00	15.62
	9/12/2024				NM	3.79	0.00	14.34
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
	9/28/2022				NM	4.24	0.00	17.14
	3/28/2023				NM	4.30	0.00	17.08
	9/18/2023				NM	4.80	0.00	16.58
	3/20/2024				NM	2.71	0.00	18.67
	9/13/2024				NM	4.94	0.00	16.44
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
	9/27/2022				NM	3.66	0.00	16.82
	3/28/2023				NM	3.79	0.00	16.69
	9/18/2023				NM	3.73	0.00	16.75
	3/20/2024				NM	2.29	0.00	18.19
	9/13/2024				NM	4.42	0.00	16.06
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
	9/27/2022				NM	4.95	0.00	18.50
	3/28/2023				NM	4.92	0.00	18.53
	9/18/2023				NM	6.78	0.00	16.67
	3/19/2024				NM	3.29	0.00	20.16
	9/12/2024				NM	5.61	0.00	17.84

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-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
	9/27/2022				NM	4.71	0.00	18.11
	3/28/2023				NM	4.97	0.00	17.85
	9/18/2023				NM	5.84	0.00	16.98
	3/20/2024				NM	3.13	0.00	19.69
	9/13/2024				NM	5.64	0.00	17.18
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
	9/27/2022				NM	3.43	0.00	17.75
	3/28/2023				NM	3.61	0.00	17.57
	9/18/2023				NM	3.24	0.00	17.94
	3/20/2024				NM	1.87	0.00	19.31
	9/13/2024				NM	4.42	0.00	16.76
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
	9/27/2022				NM	3.66	0.00	17.30
	3/28/2023				NM	3.77	0.00	17.19
	9/18/2023				NM	1.62	0.00	19.34
	3/20/2024				NM	1.73	0.00	19.23
	9/13/2024				NM	4.55	0.00	16.41
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
	9/27/2022				NM	3.64	0.00	16.41
	3/28/2023				NM	3.73	0.00	16.32
	9/18/2023				NM	3.34	0.00	16.71
	3/20/2024				NM	2.48	0.00	17.57
	9/13/2024				NM	4.42	0.00	15.63
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
	9/27/2022				NM	3.73	0.00	16.09
	3/28/2023				NM	3.73	0.00	16.09
	9/18/2023				NM	3.10	0.00	16.72
	3/20/2024				NM	2.21	0.00	17.61
	9/13/2024				NM	4.41	0.00	15.41
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
	9/28/2022				NM	2.87	0.00	15.66
	3/28/2023				NM	2.87	0.00	15.66
	9/18/2023				NM	2.13	0.00	16.40
	3/20/2024				NM	1.44	0.00	17.09
	9/13/2024				NM	3.68	0.00	14.85
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
	9/27/2022				NM	1.50	0.00	14.66
	3/29/2023				NM	1.31	0.00	14.85
	9/18/2023				NM	0.26	0.00	15.90
	3/19/2024				NM	0.20	0.00	15.96
	9/12/2024				NM	2.89	0.00	13.27

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

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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
	9/27/2022				NM	4.28	0.00	14.51
	3/29/2023				NM	4.26	0.00	14.53
	9/18/2023				NM	3.07	0.00	15.72
	3/19/2024				NM	3.01	0.00	15.78
	9/12/2024				NM	4.79	0.00	14.00
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
	9/27/2022				NM	7.82	0.00	14.54
	3/29/2023				NM	7.73	0.00	14.63
	9/18/2023				NM	6.87	0.00	15.49
	3/19/2024				NM	6.03	0.00	16.33
	9/12/2024				NM	8.28	0.00	14.08
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
	9/27/2022				NM	6.91	0.00	15.59
	3/29/2023				NM	6.99	0.00	15.51
	9/18/2023				NM	6.47	0.00	16.03
	3/19/2024				NM	5.44	0.00	17.06
	9/12/2024				NM	7.54	0.00	14.96
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
	9/27/2022				NM	1.49	0.00	14.97
	3/29/2023				NM	1.35	0.00	15.11
	9/18/2023				NM	0.21	0.00	16.25
	3/19/2024				NM	0.30	0.00	16.16
	9/12/2024				NM	1.74	0.00	14.72
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
	9/27/2022				well destroyed			
	3/29/2023				well destroyed			
01589 MW-26R	9/19/2023	18.33	5.0 - 15.0	15	NM	3.35	0.00	14.98
	3/19/2024				NM	3.00	0.00	15.33
	9/12/2024				NM	4.91	0.00	13.42
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
	9/27/2022				NM	8.24	0.00	12.53
	3/29/2023				NM	8.23	0.00	12.54
	9/19/2023	17.43			NM	2.97	0.00	14.46
	3/19/2024				NM	3.34	0.00	14.09
	9/12/2024				NM	4.85	0.00	12.58
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
	9/27/2022				NM	5.23	0.00	12.95
	3/29/2023				NM	5.04	0.00	13.14
	9/18/2023				NM	3.09	0.00	15.09
	3/19/2024				NM	3.90	0.00	14.28
	9/12/2024				NM	5.38	0.00	12.80

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-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
	9/27/2022				NM	6.89	0.00	15.46
	3/29/2023				well not found			
01589 MW-29R	9/19/2023	19.87	5.0 - 15.0	15	NM	4.25	0.00	15.62
	3/19/2024				NM	3.44	0.00	16.43
	9/12/2024				NM	5.37	0.00	14.50
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
	9/27/2022				NM	3.61	0.00	14.45
	3/29/2023				NM	3.58	0.00	14.48
	9/18/2023				NM	2.31	0.00	15.75
	3/19/2024				NM	2.36	0.00	15.70
	9/12/2024				NM	4.11	0.00	13.95
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
	9/27/2022				NM	7.82	0.00	15.46
	3/29/2023				NM	7.71	0.00	15.57
	9/18/2023	19.79			NM	2.76	0.00	17.03
	3/19/2024				NM	3.01	0.00	16.78
	9/12/2024				NM	4.74	0.00	15.05
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
	9/28/2022				NM	4.54	0.00	18.26
	3/28/2023				NM	4.85	0.00	17.95
	9/18/2023				NM	3.69	0.00	19.11
	3/20/2024				NM	3.77	0.00	19.03
	9/12/2024				NM	5.15	0.00	17.65
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
	9/28/2022				NM	5.00	0.00	17.26
	3/28/2023				NM	4.61	0.00	17.65
	9/18/2023				5.86	5.96	0.10	16.37
	3/19/2024				NM	3.05	0.00	19.21
	9/13/2024				5.23	5.46	0.23	16.97
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
	9/27/2022				NM	8.26	0.00	18.30
	3/28/2023				NM	8.44	0.00	18.12
	9/18/2023				NM	9.19	0.00	17.37
	3/20/2024				NM	6.59	0.00	19.97
	9/13/2024				NM	9.11	0.00	17.45
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
	9/27/2022				NM	7.09	0.00	18.06
	3/28/2023				NM	7.24	0.00	17.91
	9/18/2023				NM	8.14	0.00	17.01
	3/20/2024				NM	5.25	0.00	19.90
	9/13/2024				NM	8.04	0.00	17.11
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
	9/28/2022				NM	2.78	0.00	16.22
	3/29/2023				NM	2.87	0.00	16.13
	9/18/2023				NM	2.57	0.00	16.43
	3/19/2024				NM	1.51	0.00	17.49
	9/12/2024				NM	3.49	0.00	15.51

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
	9/27/2022				well destroyed			
	3/29/2023				well destroyed			
01589 MW-37R	9/19/2023	18.61			NM	3.99	0.00	14.62
	3/19/2024				NM	NM	NM	NM
	9/12/2024				NM	NM	NM	NM
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
	9/27/2022				NM	8.67	0.00	14.58
	3/29/2023				well destroyed			
01589 MW-38R	9/19/2023	19.25			NM	3.89	0.00	15.36
	3/19/2024				NM	3.18	0.00	16.07
	9/12/2024				NM	5.12	0.00	14.13
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
	9/28/2022				NM	4.87	0.00	16.97
	3/28/2023				NM	5.00	0.00	16.84
	9/20/2023				NM	5.33	0.00	16.51
	3/20/2024				NM	3.93	0.00	17.91
	9/13/2024				NM	5.57	0.00	16.27
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
	9/27/2022				NM	4.11	0.00	14.70
	3/29/2023				NM	4.08	0.00	14.73
	9/19/2023				NM	3.12	0.00	15.69
	3/19/2024				NM	2.81	0.00	16.00
	9/12/2024				NM	4.69	0.00	14.12
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
	9/27/2022				NM	8.44	0.00	14.89
	3/29/2023				NM	8.37	0.00	14.96
	9/19/2023				NM	7.67	0.00	15.66
	3/19/2024				NM	7.23	0.00	16.10
	9/12/2024				NM	8.87	0.00	14.46
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
	9/27/2022				NM	2.83	0.00	18.30
	3/28/2023				NM	3.68	0.00	17.45
	9/19/2023				NM	4.47	0.00	16.66
	3/20/2024				NM	1.68	0.00	19.45
	9/13/2024				NM	2.97	0.00	18.16
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
	9/27/2022				NM	8.36	0.00	18.02
	3/28/2023				NM	8.50	0.00	17.88
	9/19/2023				NM	9.09	0.00	17.29
	3/20/2024				NM	6.78	0.00	19.60
	9/13/2024				NM	9.26	0.00	17.12
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	18.47
	4/20/2021				4.95	5.08	0.13	16.74
	10/13/2021				3.59	3.66	0.07	16.74
	3/30/2022				5.94	5.94	0.00	15.69
	9/28/2022				4.00	4.30	0.30	17.33
	3/28/2023				4.27	4.30	0.03	17.33
	9/18/2023				NM	4.05	0.00	17.58
	3/20/2024				NM	3.10	0.00	18.53
	9/13/2024				NM	4.89	0.00	16.74

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

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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 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	17.56
	3/11/2019				4.20	4.24	0.04	17.27
	4/25/2019				NM	4.69	0.00	16.82
	7/8/2019				2.22	2.78	0.56	19.14
	3/2/2020				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				NM	5.99	0.00	15.52
	9/28/2022				NM	3.54	0.00	17.97
	3/28/2023				NM	3.79	0.00	17.72
	9/18/2023				NM	5.41	0.00	16.10
	3/20/2024				NM	2.51	0.00	19.00
	9/13/2024				NM	4.43	0.00	17.08
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				NM	5.54	0.00	16.41
	9/28/2022				NM	4.06	0.00	17.89
	3/28/2023				NM	4.33	0.00	17.62
	9/18/2023				NM	5.51	0.00	16.44
	3/20/2024				NM	3.17	0.00	18.78
	9/12/2024				NM	4.74	0.00	17.21
01589 RW-4	11/22/2018	21.80	2.0 - 12.0	12.0	NM	3.91	0.00	17.89
	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				NM	5.42	0.00	16.38
	9/28/2022				NM	3.46	0.00	18.34
	3/28/2023				NM	3.77	0.00	18.03
	9/18/2023				NM	4.31	0.00	17.49
	3/19/2024				NM	2.46	0.00	19.34
	9/12/2024				NM	4.00	0.00	17.80
01589 RW-5	11/22/2018	19.76	2.0 - 12.0	12.0	2.80	3.16	0.36	16.87
	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
	9/28/2022				2.48	2.68	0.20	16.93
	3/28/2023				2.64	2.86	0.22	16.74
	9/18/2023				NM	3.52	0.00	16.24
	3/20/2024				1.54	1.57	0.03	18.17
	9/12/2024				3.32	3.38	0.03	16.36
01589 RW-6	11/22/2018	19.20	2.0 - 12.0	12.0	3.11	4.42	1.31	15.75
	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
	9/28/2022				2.66	2.96	0.30	16.02
	3/28/2023				2.14	2.73	0.59	16.03
	9/18/2023				NM	2.87	0.00	16.33
	3/20/2024				1.54	1.57	0.03	17.61
	9/12/2024				NM	2.82	0.00	16.38
01589 RW-7	2/26/2019	21.53	3.0-13.0	13.0	NM	4.40	0.00	17.13
	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
	9/28/2022				4.28	4.28	0.00	17.25
	3/28/2023				NM	4.49	0.00	17.04
	9/18/2023				NM	5.64	0.00	15.89
	3/20/2024				NM	3.08	0.00	18.45
	9/13/2024				NM	5.14	0.00	16.39
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				NM	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				NM	4.10	0.00	14.57
	9/28/2022				NM	2.14	0.00	16.53
	3/29/2023				NM	2.36	0.00	16.31
	9/18/2023				NM	2.67	0.00	16.00
	3/20/2024				NM	1.11	0.00	17.56
	9/12/2024				NM	3.08	0.00	15.59
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
	9/28/2022				2.69	2.81	0.12	16.64
	3/29/2023				2.76	2.89	0.13	16.57
	9/18/2023				NM	3.76	0.00	15.60
	3/20/2024				NM	1.60	0.00	17.76
	9/12/2024				NM	3.38	0.00	15.98

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-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
	9/28/2022				2.22	2.22	0.00	14.78
	3/29/2023				2.40	2.42	0.02	14.57
	9/18/2023				NM	2.81	0.00	14.19
	3/20/2024				1.21	1.24	0.03	15.74
	9/12/2024				NM	2.85	0.00	14.15
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
	9/28/2022				NM	NM	NM	NM
	3/29/2023				well abandoned 2-23			
01589 RW-11A	9/19/2023	NM	5.0-15.0	15.0	NM	NM	0.08	NM
	3/19/2024				NM	0.90	0.00	NM
	9/13/2024				NM	NM	NM	NM
01589 RW-11B	9/19/2023	NM	5.0-15.0	15.0	NM	NM	0.30	NM
	3/19/2024				NM	5.75	0.00	NM
	9/13/2024				NM	NM	NM	NM
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				NM	2.43	0.00	14.62
	9/28/2022				NM	1.39	0.00	15.66
	3/29/2023				NM	1.29	0.00	15.76
	9/18/2023				NM	1.08	0.00	15.97
	3/19/2024				NM	0.10	0.00	16.95
	9/12/2024				NM	1.81	0.00	15.24

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
2nd Half 2024
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)								comment
		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	
01589 MW-1	9/13/2024	**5,660**	**11,600**	646	1,770	**329**	**69.6**	<1.0	<100	3.5	2,820	1,050	**5,030 J**	17.1	**153**	<50	
01589 MW-2	9/13/2024	**4,850**	**3,130**	608	1,890	**217**	**78.9**	<25	<2,500	<25	<5,000	1,150 J	**13,900**	<250	109 J	<1,250	25 x dilution
01589 MW-3	9/12/2024	**110**	1.3	3.4	8.9	<1.0	<1.0	<1.0	<100	<1.0	<200	35.1 J	**264**	<10.0	<10.0	<50	
01589 MW-4	9/12/2024	0.36 J	0.7 J	<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	9/12/2024	<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-7	9/12/2024	**486**	88.8	23.7	144	<5.0	10.1	<5.0	<500	<5.0	<1,000	<500	<500	<50	<50	<250	5 x dilution
01589 MW-8	9/12/2024	<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	9/12/2024	<1.0	<1.0	<1.0	<1.0	0.57 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
01589 MW-10	9/12/2024	<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	9/12/2024	<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	9/13/2024	**15.1**	<1.0	<1.0	<1.0	1.9 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
01589 MW-13	9/13/2024	**11.5**	<2.0	100	42.8	<2.0	**91.2**	<2.0	<200	<2.0	<400	<200	<200	<20	<20	<100	2 x dilution
01589 MW-14	9/12/2024	<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-15	9/13/2024	**2,050**	**3,400**	677	2,890	<25	**75.6**	<25	<2,500	<25	<5,000	<2,500	**2,060 J**	<250	<250	<1,250	25 x dilution
01589 MW-16	9/13/2024	<1.0	<1.0	0.36 J	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
01589 MW-17	9/13/2024	<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	9/13/2024	<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	9/13/2024	<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	9/13/2024	<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	9/12/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	33.7 J	<100	<10.0	<10.0	<50.0	
01589 MW-22	9/12/2024	<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**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47**	**NE**	

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

J: Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
IH: The analyte exceeded secondary source verification criteria high for the initial calibration. Reported results should be considered as estimates.
P5: The method-required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

Table 2
Groundwater Analytical Data
2nd Half 2024
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)								comment
		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	
01589 MW-23	9/12/2024	<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-24	9/12/2024	<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-25	9/12/2024	**35.2**	<1.0	<1.0	<1.0	0.71 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
01589 MW-26R	9/12/2024	<1.0	<1.0	<1.0	<1.0	17.3	<1.0	<1.0	<100	0.66 J	<200	<100	**276**	<10.0	8.7 J	<50.0	
01589 MW-27	9/12/2024	<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	9/12/2024	<1.0	8.1	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
01589 MW-29R	9/12/2024	<5.0	<5.0	<5.0	<5.0	**118**	4.8 J	<5.0	<500	2 J	<1,000	646	**4,970**	14.7 J	29.4 J	<250	5 x dilution
01589 MW-30	9/12/2024	<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	9/12/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	35.7 J	<100	<10.0	<10.0	<50.0	
01589 MW-32	9/12/2024	**319**	6.7	15.1	26.5	9.6	9.5	<2.5	<250	<2.5	<500	344	**1,320**	<25	22.7 J	<125	2.5 x dilution
01589 MW-34	9/13/2024	<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	9/13/2024	<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	9/13/2024	3.4	0.79 J	3.5	0.96 J	<1.0	<1.0	<1.0	<100	<1.0	<200	69.4 J	**1,230**	<10.0	<10.0	<50.0	
01589 MW-38R	9/12/2024	2.3 J	<2.5	<2.5	<2.5	**132**	3.6	<2.5	<250	3.2	<500	765	**2,770**	<25.0	31.8	<125	2.5 x dilution
01589 DMW-1	9/13/2024	<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	9/12/2024	<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	9/12/2024	<1.0	<1.0	<1.0	<1.0	18.6	<1.0	<1.0	<100	0.72 J	<200	29.9 J	<100	<10.0	5.7 J	<50.0	
01589 DMW-4	9/13/2024	<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	9/13/2024	<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	9/13/2024	**10,400**	**23,600**	**1,400**	**10,400**	**756**	**243**	<125	<12,500	<125	**45,100**	<12,500	**14,200**	<1,250	<1,250	<6,250	125 x dilution
01589 RW-2	9/13/2024	**1,860 J**	**4,160 J**	<5,000	<5,000	<5,000	<5,000	<5,000	<500,000	<5,000	**25,800,000**	<500,000	<500,000	<50,000	<50,000	<250,000	5,000 x dilution
01589 RW-3	9/12/2024	**2,830**	**5,880**	526	2,610	**61.6**	**278**	<1.0	<100	3.3	<200	663	**10,400 J**	42.6	36.5	<50.0	200 x dilution B,T,E,X,N, tAA
01589 RW-4	9/12/2024	**59.2**	<1.0	0.81 J	2.1	<1.0	0.65 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47**	**NE**	

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

J: Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
IH: The analyte exceeded secondary source verification criteria high for the initial calibration. Reported results should be considered as estimates.
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Table 2
Groundwater Analytical Data
2nd Half 2024
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)								comment
		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	
01589 RW-6	9/12/2024	**2,100**	**6,830**	454	9,070	**41.5 J**	**231**	<50.0	<5,000	<50.0	<10,000	<5,000	**2,530 J**	<500	<500	<2,500	50 x dilution
01589 RW-7	9/13/2024	**7,710**	**9,900**	**1,170**	5,360	**249**	**106**	<100	<10,000	<100	<20,000	<10,000	**16,100**	<1,000	<1,000	<5,000	100 x dilution
01589 RW-8	9/12/2024	**374**	641	33.7	820	19.3	**40.6**	<5.0	<500	<5.0	<1,000	229 J	**3,790**	<50.0	<50.0	<250	5 x dilution
01589 RW-9	9/12/2024	**1,690**	**4,120**	429	2,480	**558**	**191 J**	<250	<2,500	<250	**1,940,000**	<25,000	**24,500 J**	<2,500	<2,500	<12,500	250 x dilution
01589 RW-10	9/12/2024	**1,480**	**4,720**	440	2,460	**32.1**	<200	<1.0	<100	1.9	<200	372	**10,600 J**	12.7	13.2	<50.0	200 x dilution B,T,E,X,N,tAA
01589 RW-12	9/12/2024	**154**	120	236	825	<4.0	**71.9**	<4.0	<400	<4.0	<800	<400	**492**	<40.0	<40.0	<200	4 x dilution
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47**	**NE**	

Notes:

Units = µg/L

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

RBSL = SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

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

IH: The analyte exceeded secondary source verification criteria high for the initial calibration. Reported results should be considered as estimates.

P5: The method-required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

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	Naphthalene	1,2 Dichloroethane (1,2 EDA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
01589 MW-1	9/13/2024	**5,660**	**11,600**	646	1,770	**329**	**69.6**	<1.0	<100	3.5	2,820	1,050	**5,030 J**	17.1	**153**	<50
	3/20/2024	**3,220**	**7,170**	455	2,290	**120**	**59.7**	<50.0	<5,000	<50.0	<10,000	<5,000	**3,240 J**	<500	<500	<2,500
	9/20/2023	**7,400**	**19,100**	**1,070**	5,080	**294**	<500	<100	<5,000	<100	<20,000	965 J	**5,130**	<200	**232**	<2,000
	3/28/2023	**5,720**	**10,800**	799	3,810	**301**	**77.1 J**	<100	<10,000	<100	<20,000	<10,000	**7,650 J**	<1,000	<1,000	<5,000
	9/28/2022	**7,010**	**17,600**	**1,190**	5,390	**495**	**166**	<100	<10,000	<100	19,800 J	<10,000	**9,090 J**	<1,000	<1,000	<5,000
	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
	10/13/2021	**14,600**	**19,600**	**1,240**	3,350	**468**	**157 J**	<200	<20,000	<200	<40,000	<20,000	**9,120 J**	<2,000	<2,000	<10,000
	4/22/2021	**13,900**	**32,200**	**1,730**	8,450	**1,190**	**378**	<250	<25,000	<250	<50,000	<25,000	<25,000	<2,500	<2,500	<12,500
	3/3/2020	**19,300**	**44,200**	**2,460**	11,100	**1,890**	**342**	<250	<25,000	<250	**84,400**	<25,000	**40,000**	<2,500	<2,500	<12,500
	07/10/2019	**17,700**	**40,400**	**2,290**	11,400	**1,850**	<250	<250	<25,000	<250	<50,000	<25,000	<25,000	<2,500	<2,500	<12,500
	11/28/2018	**23,000**	**62,000**	**3,600**	**18,000**	**3,100**	**440J**	<500	<10,000	<500	**38,000 J**	**4,100 J**	**29,000**	<5,000	**880**	<2,500
	SSTL	6	1,324	869	11,400	51	28	--	--	--	21,596	1,526	295	--	57	--
01589 MW-2	9/13/2024	**4,850**	**3,130**	608	1,890	**217**	**78.9**	<25	<2,500	<25	<5,000	1,150 J	**13,900**	<250	109 J	<1,250
	3/20/2024	**1,300**	558	191	887	**65.5**	**43.4**	<12.5	<1,250	<12.5	<2,500	<1,250	**3,370**	<125	<125	<625
	9/20/2023	**2,460**	**2,470**	200	1,100	<50	<250	<50.9	<2,500	<50.0	<10,000	<1,000	**1,530**	<100	23	<1,000
	3/28/2023	**1,310**	**1,980**	246	976	**105**	**36.4**	<12.5	<1,250	<12.5	<2,500	759 J	**4,020**	<125	<125	<625
	9/28/2022	**7,660**	**16,000**	**1,150**	5,490	**394**	**175**	<125	<12,500	<125	<25,000	<12,500	**16,200**	<1,250	<1,250	<6,250
	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
	10/13/2021	**8,260**	**17,400**	**1,030**	7,340	**431**	**188**	<125	<12,500	<125	<25,000	<12,500	**18,900**	<1,250	<1,250	<6,250
	4/21/2021	**12,100**	**26,300**	**1,500**	**11,100**	**913**	**561**	<250	<25,000	<250	<50,000	<25,000	**37,700**	<2,500	<2,500	<12,500
	3/3/2020	**0.02 Feet of free product - not sampled**														
	07/10/2019	**10,000**	**21,600**	**1,690**	9,250	**559**	**236**	<125	<12,500	<125	<25,000	<12,500	**16,200**	<1,250	<1,250	<6,250
	11/28/2018	**11,000**	**22,000**	**2,100**	**9,500**	**680**	**200**	<200	<4,000	<200	<20,000	**2,000J**	**20,000**	<2,000	**390**	<1,000
	SSTL	5	1,144	775	9,250	45	26	--	--	--	14,610	1,453	264	--	51	--
01589 MW-3	9/12/2024	**110**	1.3	3.4	8.9	<1.0	<1.0	<1.0	<100	<1.0	<200	35.1 J	**264**	<10.0	<10.0	<50
	3/19/2024	**49.1**	<1.0	1.6	5.1	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	**124**	<10.0	<10.0	<50.0
	9/20/2023	**49.2**	4.3 J	3.0 J	7.1 J	<5.0	<25.0	<5.0	<250	<5.0	<1,000	<100	41.6 J	<10.0	<10.0	<100
	3/28/2023	**36**	<1.0	<1.0	0.68 J	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	**219**	<10.0	<10.0	<50.0
	9/28/2022	**104**	1.4	4.6	13.9	<1.0	<1.0	<1.0	<100	<1.0	<200	31.7 J	**215**	<10.0	<10.0	<50.0
	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
	10/13/2021	**61.3**	1.7	0.78 J	**17.5**	0.89 J	<1.0	<1.0	<100	<1.0	<200	<100	**115**	<10.0	3.3 J	<50.0
	4/21/2021	**7.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	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	4.7	2.9	<1.0	0.94J	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	14J	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-4	9/12/2024	0.36 J	0.7 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/19/2024	<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
	9/20/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	<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
	9/27/2022	<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
	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
	10/13/2021	<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
	3/3/2020	<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	<1.0	<1.0	<1.0	<20.0	<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	--
01589 MW-5	9/12/2024	<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
	3/19/2024	<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
	9/20/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	<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
	9/27/2022	<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
	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
	10/13/2021	<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
	3/3/2020	<1.0	<1.0	<1.0	<1.0	<1.0	16.9	<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	<1.0	<1.0	<1.0	<20.0	<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	--
01589 MW-6	9/12/2024	**0.2 feet of free product - not sampled**														
	3/19/2024	**0.14 feet of free product - not sampled**														
	9/20/2023	**1,830**	**4,070**	337	4,130	**459**	**189 J**	<50.0	<2,500	<50.0	<10,000	1,500 J	**11,700**	29.1 J	**185**	<1,000
	3/29/2023	**0.27 feet of free product - not sampled**														
	9/28/2022	**0.24 feet of free product - not sampled**														
	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
	10/13/2021	**0.32 feet of free product - not sampled**														
	5/13/2021	**16,400**	**28,900**	**2,190**	8,920	**1,990**	**272**	<200	<20,000	<200	<40,000	**5,410 J**	**42,200**	<2,000	<2,000	<10,000
	3/3/2020	**1.09 feet of free product - not sampled**														
	07/08/2019	**0.09 feet of free product - not sampled**														
	11/28/2018	**0.76 feet of free product - not sampled**														
	SSTL	12	3,709	2,005	8,920	131	46	--	--	--	40,000	2,383	658	--	122	--

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	Naphthalene	1,2 Dichloroethane (1,2 EDA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
01589 MW-7	9/12/2024	**486**	89	24	144	<5.0	10.1	<5.0	<500	<5.0	<1,000	<500	<500	<50	<50	<250
	3/19/2024	**94.1**	16	15	23	<1.0	1.6	<1.0	<100	<1.0	<200	<100	204	<10.0	<10.0	<50.0
	9/20/2023	1.1	<1.0	0.39 J	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	23	<2.0	<2.0	<20.0
	3/29/2023	**1,470**	182	261	574	<10.0	66.8	<10.0	<1,000	<10.0	<2,000	<1,000	**2,010**	<100	<100	<500
	9/28/2022	**877**	123	375	598	<5.0	46.5	<5.0	<500	<5.0	<1,000	<500	**1,580**	<50.0	<50.0	<250
	3/29/2022	**465**	761	132	969	<5.0	28.7	<5.0	<500	<5.0	<1,000	<500	538	<50.0	<50.0	<250
	10/14/2021	**1,340**	2,810	592	3,160	<20.0	**118**	<20.0	<2,000	<20.0	<4,000	<2,000	**1,830 J**	<200	<200	<1,000
	4/21/2021	**3,890**	**17,000**	1,550	7,260	<100	**221**	<100	<10,000	<100	<20,000	<10,000	<10,000	<1,000	<1,000	<5,000
	3/3/2020	**10,600**	**37,800**	2,140	12,000	<250	**317**	<250	<25,000	<250	<50,000	<25,000	<25,000	<2,500	<2,500	<12,500
	07/09/2019	**9,210**	**34,100**	**2,390**	12,700	<200	**271**	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000
	11/29/2018	**12,000**	**45,000**	**2,600**	**13,000**	<200	**320**	<200	<4,000	<200	<20,000	<4,000	**17,000**	<2,000	98J	<1,000
	SSTL	21	8,500	2,390	12,700	200	67	--	--	--	40,000	3,356	1,247	--	222	--
01589 MW-8	9/12/2024	<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
	3/19/2024	0.54 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
	9/20/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<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
	9/28/2022	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<200	<2.0	<400	<200	<200	<20.0	<20.0	<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
	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
	3/4/2020	<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	9.8J	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-9	9/12/2024	<1.0	<1.0	<1.0	<1.0	0.57 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/19/2024	<1.0	<1.0	<1.0	<1.0	0.67 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/20/2023	<1.0	<1.0	<1.0	<3.0	2.8	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/27/2022	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	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	2.1	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	5/13/2021	<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
	3/4/2020	<1.0	0.46 J	<1.0	<1.0	1.7	<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	14	<1.0	<1.0	<20.0	<1.0	<100	<20.0	15J	<10.0	0.58J	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-10	9/12/2024	<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
	3/19/2024	<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
	9/20/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<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
	9/27/2022	<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
	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
	3/4/2020	<1.0	<1.0	<1.0	<1.0	<1.0	0.74 J	<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	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-11	9/12/2024	<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
	3/19/2024	<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
	9/20/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<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
	9/27/2022	<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
	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
	3/4/2020	<1.0	<1.0	<1.0	<1.0	<1.0	0.39 J	<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	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-12	9/13/2024	**15.1**	<1.0	<1.0	<1.0	1.9 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/20/2024	6.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/20/2023	**71.7**	6.6 J	7.9 J	<30.0	<10.0	<50.0	<10.0	<500	<10.0	<2,000	<200	260	<20	6.6 J	<200
	3/28/2023	**2,490**	**16.7 J**	**85.8**	22.7	<20.0	<20.0	<20.0	<2,000	<20.0	<4,000	<2,000	<2,000	<200	<200	<1,000
	9/28/2022	**846**	9.6	**149**	8.1	<5.0	5.5	<5.0	<500	<5.0	<1,000	<500	274 J	<50.0	<50.0	<250
	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
	10/13/2021	**700**	**20.1**	**127**	16.9	7.2	**9.1**	<5.0	<500	<5.0	<1,000	<500	352 J	<50.0	16.9 J	<250
	4/21/2021	**1,440**	**27.5**	**152**	**112**	**11 J**	<12.5	<12.5	<1,250	<12.5	<2,500	<1,250	<1,250	<125	<125	<625
	3/3/2020	**609**	**18.9**	**81.2**	**52.4**	**13.8**	**11.7**	<5.0	<500	<5.0	<1,000	<500	**1,140**	<50.0	**34.8 J**	<250
	07/10/2019	**410**	12.7	46.5	24.5	9.8	**9.1**	<2.5	<250	<2.5	<500	<250	**1,370**	<25.0	25.9	<125
	11/28/2018	**700**	**35**	**110**	**70**	<20.0	**19 J**	<20.0	<400	<20.0	<2,000	<400	330 J	<200	18J	<100
	SSTL	7	13	47	25	10	9	--	--	--	1,000	250	382	--	26	--

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	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
01589 MW-13	9/13/2024	**11.5**	<2.0	100	43	<2.0	**91.2**	<2.0	<200	<2.0	<400	<200	<200	<20	<20	<100
	3/20/2024	6.7	1.8 J	134	218	<2.0	**51.7**	<2.0	<200	<2.0	<400	<20.0	134 J	<20.0	<20.0	<100
	9/19/2023	<1.0	<1.0	0.5 J	1.4 J	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	**33.3**	31.5	**1,360**	**4,130**	<10.0	**588**	<10.0	<1,000	<10.0	<2,000	<1,000	<1,000	<100	<100	<500
	9/27/2022	**63**	18.8	**1,040**	**2,420**	<10.0	**491**	<10.0	<1,000	<10.0	<2,000	<1,000	<1,000	<100	<100	<500
	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
	10/13/2021	**30.9**	1.5 J	113	93	<2.0	**45.7**	<2.0	<200	<2.0	<400	<200	<200	<20.0	<20.0	<100
	4/21/2021	**88.7**	**83**	**2,260**	**6,800**	<25.0	**790**	<25.0	<2,500	<25.0	<5,000	<2,500	<2,500	<250	<250	<1,250
	3/3/2020	**36.5**	16.6	439	1,290	<4.0	**234**	<4.0	<400	<4.0	<800	<400	<400	<40.0	<40.0	<200
	07/10/2019	**31.2**	19.5	490	1,630	<5.0	**164**	<5.0	<500	<5.0	<1000	<500	<500	<50.0	<50.0	<250
	11/28/2018	**130**	**80**	**1,300**	**3,900**	<20.0	**470**	<20.0	<400	<20.0	<2,000	<400	<400	<200	<20.0	<100
	SSTL	7	20	490	1,630	5	30	--	--	--	1,000	500	334	--	100	--
01589 MW-14	9/12/2024	<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
	3/19/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	<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
	9/27/2022	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<1,250	<12.5	<2,500	<1,250	<1,250	<125	<125	<625
	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
	10/13/2021	<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	1.1	<1.0	0.67 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	<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	4.1	<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	<5.0
	SSTL	5	5	5	10	5	4	--	--	--	1,000	100	100	--	100	--
01589 MW-15	9/13/2024	**2,050**	**3,400**	677	2,890	<25	**75.6**	<25	<2,500	<25	<5,000	<2,500	**2,060 J**	<250	<250	<1,250
	3/20/2024	**1,730**	**2,690**	532	2,480	<25.0	**66.8**	<25.0	<2,500	<25.0	<5,000	<2,500	**1,880 J**	<250	<250	<1,250
	9/19/2023	**618**	1,520	192	894	<25	<130	<25.0	<1,300	<25.0	<5,000	<500	212 J	<50.0	10 J	<500
	3/28/2023	**4,090**	**7,070**	**981**	4,370	<50.0	**132**	<50.0	<5,000	<50.0	<10,000	<5,000	**6,540**	<500	<500	<2,500
	9/27/2022	**3,130**	**5,870**	**727**	3,170	<50.0	**60.5**	<50.0	<5,000	<50.0	<10,000	<5,000	**8,510**	<500	<500	<2,500
	3/29/2022	**3,310**	**9,740**	**889**	3,980	<50.0	**77.9**	<50	<5,000	<50.0	<10,000	<5,000	**4,930 J**	<500	<500	<2,500
	10/13/2021	**1,110**	1,000	280	1,210	4.3 J	**35.7**	<10.0	<1,000	<10.0	<2,000	<1,000	<1,000	<100	<100	<500
	4/21/2021	**5,310**	**9,510**	**901**	4,410	34.2 J	**151**	<50.0	<5,000	<50.0	<10,000	<5,000	<5,000	<500	<500	<2,500
	3/4/2020	**1,020**	1,510	288	1,690	4.6 J	**36.8**	<12.5	<1,250	<12.5	<2,500	<1,250	**1,060 J**	<125	<125	<625
	07/10/2019	**2,840**	**7,910**	**982**	4,850	<50.0	**120**	<50.0	<5,000	<50.0	<10,000	<5,000	**6,950**	<500	<500	<2,500
	11/29/2018	**2,100**	**7,400**	**930**	4,600	<100	**100**	<100	<2,000	<100	<10,000	<2,000	**5,800**	<1,000	51J	<500
	SSTL	7	1,534	870	4,850	50	29	--	--	--	10,000	1,758	382	--	73	--
01589 MW-16	9/13/2024	<1.0	<1.0	0.36 J	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/20/2024	<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
	9/19/2023	<5.0	2.2 J	<5.0	<15.0	<5.0	<25.0	<5.0	<250	<5.0	<1,000	<100	<100	<10.0	<10.0	<100
	3/28/2023	<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
	9/27/2022	<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
	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
	10/13/2021	<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	0.82 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<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
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20	<20	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-17	9/13/2024	<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
	3/20/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	<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
	9/27/2022	<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
	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
	10/13/2021	<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	0.6 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<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
	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	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-18	9/13/2024	<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
	3/20/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	<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
	9/27/2022	<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
	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
	10/13/2021	<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	0.46 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	<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
	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	<5.0
	SSTL	5	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	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
01589 MW-19	9/13/2024	<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
	3/20/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	<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
	9/27/2022	<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
	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
	10/13/2021	<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
	3/3/2020	<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
	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	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-20	9/13/2024	<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
	3/20/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	<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
	9/28/2022	<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
	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
	3/3/2020	<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
	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	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-21	9/12/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	33.7 J	<100	<10.0	<10.0	<50.0
	3/19/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<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
	9/27/2022	<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
	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
	3/3/2020	<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	0.57J	<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
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-22	9/12/2024	<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
	3/19/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	283	<100	<100	<10.0	<10.0	<50.0
	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	283	<100	<100	<10.0	<10.0	<50.0
	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
	3/3/2020	<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	**6.5**	<1.0	<1.0	0.41J	<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-23	9/12/2024	<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
	3/19/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/27/2022	<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
	3/29/2022	<1.0	<1.0	<1.0	<1.0	1.6	<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	0.5 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	1.4	<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	1.8	<1.0	<1.0	<100	1.3	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	5.1	<1.0	<1.0	<20.0	3.5	<100	31	**340**	<10.0	<10.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-24	9/12/2024	<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
	3/19/2024	<1.0	<1.0	<1.0	<1.0	0.45 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/19/2023	<1.0	<1.0	<1.0	<3.0	1	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/27/2022	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<250	<2.5	<500	<250	<250	<25.0	<25.0	<125
	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
	10/15/2021	<1.0	<1.0	<1.0	<1.0	1.0 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	2.1	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	0.50 J	<1.0	<1.0	<1.0	0.55 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	**29**	<1.0	<1.0	<1.0	0.68J	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10	0.46J	<5.0
	SSTL	5	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	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
01589 MW-25	9/12/2024	**35.2**	<1.0	<1.0	<1.0	0.71 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/19/2024	**15.2**	<1.0	<1.0	<1.0	2.5	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/19/2023	**13.2**	<1.0	<1.0	<3.0	2.1	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	4.6	<1.0	<1.0	<1.0	2.3	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/27/2022	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	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
	10/15/2021	<1.0	<1.0	<1.0	<1.0	1.1	<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	1.2	<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	2.9	<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	1.7	<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-26R	9/12/2024	<1.0	<1.0	<1.0	<1.0	17.3	<1.0	<1.0	<100	0.66 J	<200	<100	**276**	<10.0	8.7 J	<50.0
	3/19/2024	<1.0	<1.0	<1.0	<1.0	4.3	<1.0	<1.0	<100	0.38 J	<200	<100	<100	<10.0	<10.0	<50.0
	9/19/2023	<1.0	<1.0	<1.0	<3.0	**8.9**	<5.0	<1.0	<50.0	1.1	<200	14.7 J	**121**	1.2 J	5.3	<20.0
01589 MW-26	3/29/2023	**well destroyed**														
	9/27/2022	**well destroyed**														
	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
	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	1.3	<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	1.6	<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	1.6	0.83J	3.9	0.88J	<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-27	9/12/2024	<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
	3/19/2024	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<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
	9/27/2022	<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
	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	0.71 J	<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	<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-28	9/12/2024	<1.0	8.1	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/19/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<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
	9/27/2022	<2.0	2.1	1.6 J	<2.0	<2.0	<2.0	<2.0	<200	<2.0	<400	<200	<200	<20.0	<20.0	<100
	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	0.43 J	<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-29R	9/12/2024	<5.0	<5.0	<5.0	<5.0	**118**	4.8 J	<5.0	<500	2 J	<1,000	**646**	**4,970**	14.7 J	29.4 J	<250
	3/19/2024	<1.0	<1.0	<1.0	<1.0	**59.6**	<1.0	<1.0	<100	0.87 J	<200	**159**	**1,380**	6.8 J	11.9	<50.0
	9/19/2023	<10.0	<10.0	<10.0	<30.0	**164**	<50.0	<10.0	<500	2.8 J	<2,000	**835**	**6,450**	20.6	36.4	<200
01589 MW-29	3/29/2023	**well destroyed**														
	9/27/2022	<2.5	<2.5	<2.5	<2.5	**20.6**	<2.5	<2.5	<250	<2.5	<500	**139 J**	**922**	<25.0	<25.0	<125
	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**	5.7J	27	<5.0
	SSTL	5	5	5	10	7	5	--	--	--	1,000	100	100	--	100	--
01589 MW-30	9/12/2024	<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
	3/19/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<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
	9/27/2022	<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
	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	--

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	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
01589 MW-31	9/12/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	35.7 J	<100	<10.0	<10.0	<50.0
	3/19/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<1.0	<1.0	<1.0	<1.0	0.53 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/27/2022	<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
	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	9/12/2024	**319**	7	**15**	**27**	9.6	**9.5**	<2.5	<250	<2.5	<500	**344**	**1,320**	<25	22.7 J	<125
	3/20/2024	**335**	8	**47**	17	6.6	**12.1**	<2.0	<200	<2.0	<400	262	**1,560**	<20.0	19.9 J	<100
	9/19/2023	11	0.65 J	2	2.5 J	7.2	<5.0	<1.0	<50.0	0.68 J	<200	26.4	112	3	24.8	<20.0
	3/28/2023	**131**	3	4	6	8.3	**7.2**	<1.0	<100	<1.0	<200	119	**572**	4.2 J	24.5	<50.0
	9/28/2022	**571**	5	**12**	**18**	9	**5.1**	<5.0	<500	<5.0	<1,000	<500	**702**	<50.0	18.9 J	<250
	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	<200	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	9/12/2024	**0.23 feet of free product - not sampled**														
	3/19/2024	**3,490**	**13,700**	**2,120**	**11,900**	<100	**347**	<100	<10,000	<100	<20,000	<10,000	<10,000	<1,000	<1,000	<5,000
	9/19/2023	**0.01 feet of free product**														
	3/28/2023	**7,370**	**26,200**	**2,400**	**14,100**	**118 J**	**394**	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000
	9/28/2022	**12,100**	**46,300**	**3,770**	**19,800**	**217 J**	**394 J**	<400	<40,000	<400	<80,000	<40,000	<40,000	<4,000	<4,000	<20,000
	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	9/13/2024	<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
	3/20/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	<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
	9/27/2022	<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
	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	9/13/2024	<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
	3/20/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	<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
	9/27/2022	<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
	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	9/13/2024	**3.4**	0.79 J	3.5	0.96 J	<1.0	<1.0	<1.0	<100	<1.0	<200	69.4 J	**1,230**	<10.0	<10.0	<50.0
	3/19/2024	**7.1**	0.9 J	4	11.5	<1.0	<1.0	<1.0	<100	<1.0	<200	37.1 J	**919**	<10.0	<10.0	<50.0
	9/19/2023	3.2	5.2	15.3	8.3	<1.0	1.9 J	<1.0	<50.0	<1.0	<200	7.1 J	99	<2.0	<2.0	<20.0
	3/28/2023	**10.9**	<1.0	0.5 J	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	52.3 J	**1,060**	<10.0	<10.0	<50.0
	9/28/2022	1.2	<1.0	2.8	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	137	<10.0	<10.0	<50.0
	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	--

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	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
01589 MW-37R	9/13/2024	well inaccessible														
	3/19/2024	well inaccessible														
	9/19/2023	<1.0	<1.0	<1.0	<3.0	2.3	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	0.37 J	<2.0	<20.0
01589 MW-37	3/28/2023	well destroyed														
	9/28/2022	well destroyed														
	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-38R	9/12/2024	2.3 J	<2.5	<2.5	<2.5	**132**	3.6	<2.5	<250	3.2	<500	**765**	**2,770**	<25.0	31.8	<125
	3/19/2024	3.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/19/2023	<5.0	<5.0	<5.0	<15.0	**122**	<25.0	<5.0	<250	2.2 J	<1,000	**618**	**2,710**	17.8	30.1	<100
01589 MW-38	3/28/2023	well destroyed														
	9/27/2022	0.5 J	<1.0	<1.0	<1.0	**70.5**	<1.0	<1.0	<100	1.5	<200	**105**	58.5 J	10.5	19.5	<50.0
	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	--
01589 DMW-1	9/13/2024	<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
	3/20/2024	<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
	9/20/2023	0.65 J	2.6	0.72 J	3	<1.0	2.3 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2023	<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
	9/28/2022	0.44 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
	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	--
01589 DMW-2	9/12/2024	<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
	3/19/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	<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
	9/27/2022	<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
	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
	11/28/2018	<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	--
01589 DMW-3	9/12/2024	<1.0	<1.0	<1.0	<1.0	**18.6**	<1.0	<1.0	<100	0.72 J	<200	29.9 J	<100	<10.0	5.7 J	<50.0
	3/19/2024	<1.0	<1.0	<1.0	<1.0	**16.8**	<1.0	<1.0	<100	0.46 J	<200	<100	<100	3.6 J	3.7 J	<50.0
	9/19/2023	<1.0	<1.0	<1.0	<3.0	**8.6**	<5.0	<1.0	<50.0	0.32 J	<200	<20.0	17.5 J	2	<2.0	<20.0
	3/29/2023	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/27/2022	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	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
	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	0.66J	<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	--
01589 DMW-4	9/13/2024	<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
	3/20/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	<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
	9/27/2022	<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
	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
	SSTL	5	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	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
01589 DMW-5	9/13/2024	<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
	3/20/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/28/2023	<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
	9/27/2022	<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
	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
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 RW-1	9/13/2024	10,400	23,600	1,400	10,400	756	243	<125	<12,500	<125	45,100	<12,500	14,200	<1,250	<1,250	<6,250
	3/20/2024	8,170	20,800	1,700	12,500	629	297	<125	<12,500	<125	13,400 J	<12,500	13,100	<1,250	<1,250	<6,250
	9/20/2023	7,990	22,200	1,630	9,270	268 J	<2,500	<500	<25,000	<500	<100,000	<10,000	3,860 J	<1,000	<1,000	<10,000
	3/28/2023	**0.03 feet of free product**														
	9/28/2022	**0.3 feet of free product**														
	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	<200	<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
01589 RW-2	9/13/2024	1,860 J	4,160 J	<5,000	<5,000	<5,000	<5,000	<5,000	<500,000	<5,000	25,800,000	<500,000	<500,000	<50,000	<50,000	<250,000
	3/20/2024	16,800	39,300	3,260 J	16,700	<5,000	<5,000	<5,000	<500,000	<5,000	3,680,000	<500,000	<500,000	<50,000	<50,000	<250,000
	9/20/2023	6,950	17,400	1,410	6,300	989	<2,500	<500	<25,000	<500	68,000,000	<10,000	26300	<1,000	<1,000	<10,000
	3/28/2023	1,470	3,880	272	1,260	71.6	63.5	<25.0	<2,500	<25.0	52,500	<2,500	1,020 J	<250	<250	<1,250
	9/28/2022	2,740	6,050	411	2,190	166	128	<50.0	<5,000	<50.0	47,200	<5,000	<5,000	<500	<500	<2,500
	3/30/2022	3,170	14,100	1430	7,400	<500	<500	<500	<50,000	<500	3,850,000	<50,000	<50,000	<5,000	<5,000	<25,000
	10/13/2021	14,700	41,400	3,620 J	18,000	<10,000	<10,000	<10,000	<1,000,000	<10,000	61,100,000	<1,000,000	<1,000,000	<100,000	<100,000	<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
01589 RW-3	9/12/2024	2,830	5,880	526	2,610	61.6	278	<1.0	<100	3.3	<200	663	10,400 J	42.6	36.5	<50.0
	3/20/2024	2,340	4,270	479	1,970	37.1	102	<25.0	<2,500	<25.0	<5,000	<2,500	3,520	<250	<250	<1,250
	9/20/2023	662	406	199	751	<10.0	42.5 J	<10.0	<500	<10.0	<2,000	<200	517	7.5 J	<20.0	<200
	3/28/2023	8,080	15,400	999	9,730	275	353	<125	<12,500	<125	<25,000	<12,500	21,500	<1,250	<1,250	<6,250
	9/28/2022	5,890	28,700	3,510	21,300	117 J	396	<200	<20,000	<200	<40,000	<20,000	22,100	<2,000	<2,000	<10,000
	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**														
	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
01589 RW-4	9/12/2024	**59.2**	<1.0	0.81 J	2.1	<1.0	0.65 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/19/2024	**14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	59.3 J	204	<10.0	<10.0	<50.0
	9/20/2023	**29.8**	<1.0	<1.0	1.1 J	<1.0	<5.0	<1.0	18.4 JB	<1.0	<200	<20.0	19.9 J	<2.0	<2.0	<20.0
	3/28/2023	**9.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	37.6 J	<10.0	<10.0	<50.0
	9/28/2022	**11.1**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<400	<4.0	<800	<400	<400	<40.0	<40.0	<200
	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	9/12/2024	**0.06 feet of free product**														
	3/20/2024	**0.03 feet of free product**														
	9/20/2023	1,170	1,700	549	2,770	552	80.7 J	<20.0	<1,000	<20.0	<4,000	<400	13500	40	<40.0	<400
	3/28/2023	**0.22 feet of free product**														
	9/28/2022	**0.2 feet of free product**														
	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	Naphthalene	1,2 Dichloroethane (1,2 EDA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
01589 RW-6	9/12/2024	2,100	6,830	454	9,070	41.5 J	231	<50.0	<5,000	<50.0	<10,000	<5,000	2,530 J	<500	<500	<2,500
	3/20/2024	**0.03 feet of free product**														
	9/20/2023	550	1,110	182	2,190	108	67.8 J	<20.0	<1,000	<20.0	<4,000	<400	3,040	18.4 J	<40.0	<400
	3/28/2023	**0.59 feet of free product**														
	9/28/2022	**0.3 feet of free product**														
	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**														
	11/28/2018	**1.67 feet of free product**														
01589 RW-7	9/13/2024	7,710	9,900	1,170	5,360	249	106	<100	<10,000	<100	<20,000	<10,000	16,100	<1,000	<1,000	<5,000
	3/20/2024	9,850	15,600	1,700	8,890	300	214	<100	<10,000	<100	<20,000	<10,000	19,200	<1,000	<1,000	<5,000
	9/20/2023	2,810	7,810	853	6,620	468	111 J	<100	<5,000	<100	<20,000	<2,000	24,000	35.3 J	<200	<2,000
	3/28/2023	8,830	13,400	757	6,880	266	154	<125	<12,500	<125	<25,000	<12,500	26,100	<1,250	<1,250	<6,250
	9/28/2022	12,300	23,800	1,250	11,600	229	179 J	<200	<20,000	<200	<40,000	<20,000	22,300	<2,000	<2,000	<10,000
	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**														
	07/08/2019	**0.45 feet of free product**														
01589 RW-8	9/12/2024	374	641	34	820	19	41	<5.0	<500	<5.0	<1,000	229 J	3,790	<50.0	<50.0	<250
	3/20/2024	243	69	55	408	48	29	<2.0	<200	<2.0	<400	185 J	2,450	11.4 J	37	<100
	9/20/2023	88	117	44	410	<5.0	30	<5.0	<250	<5.0	<1,000	85.6 J	1,020	4.7 J	17	<100
	3/29/2023	894	1,250	339	2,980	62	85	<10.0	<1,000	<10.0	<2,000	438 J	6,410	<100	36.6 J	<500
	9/28/2022	3,050	4,360	881	6,290	136	140	<25.0	<2,500	<25.0	<5,000	738 J	12,400	<250	<250	<1,250
	3/30/2022	1,580	3,630	396	4,170	62.3	187	<20.0	<2,000	<20.0	<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
	07/08/2019	**0.3 feet of free product**														
01589 RW-9	9/12/2024	1,690	4,120	429	2,480	558	191 J	<250	<2,500	<250	1,940,000	<25,000	24,500 J	<2,500	<2,500	<12,500
	3/20/2024	2,400	8,740	1050	5,430	636	<400	<400	<40,000	<400	1,830,000	<40,000	33,900 J	<4,000	<4,000	<20,000
	9/20/2023	567	1,580	192	1,300	395	40.1 J	<20.0	<1,000	<20.0	2,440 J	<400	7,200	13.1 J	<40.0	<400
	3/29/2023	**0.13 feet of free product**														
	9/28/2022	**0.12 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
	07/08/2019	**0.86 feet of free product**														
01589 RW-10	9/12/2024	1,480	4,720	440	2,460	32	<200	<1.0	<100	1.9	<200	372	10,600 J	12.7	13.2	<50.0
	3/20/2024	**0.03 feet of free product**														
	9/20/2023	436	1,610	294	1,270	<20.0	29.0 J	<20.0	<1,000	<20.0	<4,000	<400	787	<40.0	<40.0	<400
	3/29/2023	**0.02 feet of free product**														
	9/28/2022	6,420	17,100	1,390	7,390	95.3 J	329	<125	<12,500	<125	<25,000	<12,500	22,400	<1,250	<1,250	<6,250
	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**														
	07/08/2019	**1.37 feet of free product**														
01589 RW-11A	9/13/2024	**heavy sheen of free product (< 0.01 ft.)**														
	3/19/2024	**heavy sheen of free product (< 0.01 ft.)**														
	9/19/2023	**emulsified product, est. thickness 0.1 ft.**														
01589 RW-11B	9/13/2024	**heavy sheen of free product (< 0.01 ft.)**														
	3/19/2024	**heavy sheen of free product (< 0.01 ft.)**														
	9/19/2023	**emulsified product, est. thickness 0.25 ft.**														
01589 RW-11	3/29/2023	**well abandoned**														
	9/28/2022	**emulsified product, thickness not available**														
	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**														
	07/08/2019	**1.5 feet of free product**														
01589 RW-12	9/12/2024	**154**	**120**	236	825	<4.0	**71.9**	<4.0	<400	<4.0	<800	<400	**492**	<40.0	<40.0	<200
	3/19/2024	**550**	**2,490**	540	1,360	9.7 J	**43.1**	<20.0	<2,000	<20.0	<4,000	<2,000	**1,140 J**	<200	<200	<1,000
	9/19/2023	**659**	**6,900**	**1,050**	**9,410**	<100	**104 J**	<100	<5,000	<100	112,000	<2,000	**800**	<200	<200	<2,000
	3/29/2023	**2,190**	**11,800**	**1160**	**11,100**	<100	**277**	<100	<10,000	<100	<20,000	<10,000	<10,000	<1,000	<1,000	<5,000
	9/28/2022	**2,070**	**9,639**	**636**	**10,300**	<50	**233**	<50.0	<5,000	<50.0	<10,000	<5,000	**2,060 J**	<500	<500	<2,500
	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 = µg/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
2nd Half 2024
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	9/13/2024	<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	9/13/2024	<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 = 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-16 was not accessible for this sample period

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
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

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 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-12	9/13/2024	<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
	3/20/2024	<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
	9/20/2023	<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
	3/28/2023	<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
	9/28/2022	<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
	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
	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-13	9/13/2024	<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
	3/20/2024	<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
	9/20/2023	<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
	3/28/2023	<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
	9/28/2022	<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
	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
	7/10/2019	<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
01589 WSW-14	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
	8/17/2018	<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-15	4/22/2021	well has been decommisioned according to owner														
	7/8/2019	sample collection permission was not granted														
	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-16	3/20/2024	well was not accessible for sampling														
	9/20/2023	well was not accessible for sampling														
	3/28/2023	<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
	9/28/2022	<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
	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
	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
01589 WSW-17	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 = 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 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 = 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 6
Surface Water Analytical Data
2nd Half 2024
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-2	9/12/2024	<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	9/12/2024	<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	9/12/2024	<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	9/13/2024	<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	9/12/2024	<1.0	9.4	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-7	9/13/2024	<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	9/13/2024	<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	9/13/2024	<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 = 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	1,000	700	10,000	40	25	5	NE	150	10,000	1,400	240	128	47	NE
01589 SW-1	9/12/2024	Not Sampled-Dry														
	3/19/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<1.0	0.8 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/28/2022	Not Sampled-Dry														
	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	9/12/2024	<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
	3/20/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/28/2022	<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
	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	9/12/2024	<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
	3/20/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<1.0	0.72 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/28/2022	<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
	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	9/12/2024	<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
	3/19/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<1.0	0.51 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/28/2022	<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
	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	9/13/2024	<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
	3/19/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<1.0	2.3	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/28/2022	<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
	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	9/12/2024	<1.0	9.4	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/19/2024	<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
	9/19/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<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
	9/28/2022	Not Sampled-Dry														
	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

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**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47**	**NE**
01589 SW-7	9/13/2024	<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
	3/19/2024	<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
	9/20/2023	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	<1.0	<50.0	<1.0	<200	<20.0	<20.0	<2.0	<2.0	<20.0
	3/29/2023	<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
	9/28/2022	<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
	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	9/13/2024	<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
	3/19/2024	<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
	9/20/2023	<5.0	<5.0	<5.0	<15.0	<5.0	<25.0	<5.0	<250	<5.0	<1,000	<100	<100	<10.0	<10.0	<100
	3/29/2023	<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
	9/28/2022	<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
	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	9/13/2024	<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
	3/19/2024	<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
	9/20/2023	<5.0	<5.0	<5.0	<15.0	<5.0	5.2 J	<5.0	<250	<5.0	<1,000	<100	<100	<10.0	<10.0	<100
	3/29/2023	<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
	9/28/2022	<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
	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

Units = µg/L
"<" = Not detected at or above the laboratory reporting limit
RBSL = 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-1	9/13/24 @ 1329	5,660	11,600	646	1,770	329	69.6	<1.0	<100	3.5	2,820	1,050	5,030	17.1	153	<50.0	MW-1 had 100 x dilution for B, T, E, M
01589 DUP-1	9/13/24 @ 1329	5,500	11,800	690	3,370	333	85.2	<100	<10,000	<100	<20,000	<10,000	<10,000	<1,000	<1,000	<5,000	DUP-1 had 100 x dilution
RPD (%)		3%	2%	7%	**62%**	1%	20%	---	---	---	---	---	**---**	---	---	---	
01589 MW-15	9/13/24 @ 1054	2,050	3,400	677	2,890	<25.0	75.6	<25.0	<2,500	<25.0	<5,000	<2,500	2,060	<250	<250	<1,250	MW-15 had 25 x dilition
01589 DUP-2	9/13/24 @ 1054	2,100	3,570	697	2,990	<50.0	74.3	<50.0	<5,000	<50.0	<10,000	<5,000	1,890	<500	<500	<2,500	DUP-2 had 50 x dilution
RPD (%)		2%	5%	3%	3%	---	2%	---	---	---	---	---	9%	---	---	---	
01589 MW-2	9/13/24 @ 1259	4,850	3,130	608	1,890	217	78.9	<25.0	<2,500	<25.0	<5,000	1,150	13,900	<250	109	<1,250	MW-2 had 25 x dilution
01589 DUP-3	9/13/24 @ 1301	3,640	2,300	399	1,250	212	99.6	<1.0	<100	2.4	<200	1,380	11,300	21.8	108	<50.0	DUP-3 had 200 x dilution for B, T, E, X, M, tAA
RPD (%)		**29%**	**31%**	**42%**	**41%**	2%	**23%**	---	---	---	---	18%	**21%**	---	1%	---	
Bias Analysis																	
01589 FB-1	9/12/2024	<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 FB-2	9/13/2024	<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 Trip Blank 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	
01589 Trip Blank 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	
Method Sensitivity																	
Sensitivity Limits (GW - µg/L)		**5**	**5**	**5**	**5**	**5**	**10**	**5**	**100**	**10**	**1,000**	**100**	**100**	**10**	**100**	**100**	
01589 MW-1	9/13/2024	**34.5**	**48.5**	**30.4**	0.34	**42.2**	0.64	0.32	51.9	0.31	72.2	26.8	**3,640**	2.7	3.2	29.4	MW-1 had 100 x dilution for B, T, E, M, tAA
01589 MW-2	9/13/2024	**8.6**	**12.1**	**7.6**	**8.4**	**10.6**	**16.1**	**8**	**1,300**	7.7	**1,800**	**670**	**910**	**66.5**	81	**735**	25x dilution required
01589 MW-3	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-4	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-5	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-7	9/12/2024	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 required
01589 MW-8	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-9	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-10	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-11	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-12	9/13/2004	1.4	1.9	1.2	1.4	1.7	2.6	1.3	**208**	1.2	289	**107**	**146**	**10.6**	13	**118**	4 x dilution required
01589 MW-13	9/13/2024	0.69	0.97	0.61	0.68	0.84	1.3	0.64	**104**	0.62	144	53.6	72.8	5.3	6.5	58.8	2 x dilution required
01589 MW-14	9/12/2024	0.34	0.5	0.3	0.34	0.42	0.6	0.32	52	0.31	72	26.8	36.4	2.7	3.2	29.4	
01589 MW-15	9/13/2024	**8.6**	**12.1**	**7.6**	**8.4**	**10.6**	**16.1**	**8**	**1,300**	7.7	**1,800**	**670**	**910**	**66.5**	81	**735**	25 x dilution required
01589 MW-16	9/13/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-17	9/13/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-18	9/13/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-19	9/13/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-20	9/13/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	

Units = µg/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 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 - µg/L)		**5**	**5**	**5**	**5**	**10**	**5**	**5**	**100**	**10**	**1,000**	**100**	**100**	**10**	**100**	**100**	
01589 MW-21	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-22	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-23	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-24	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-25	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-26R	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-27	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-28	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-29R	9/12/2024	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 duilution required
01589 MW-30	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-31	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-32	9/12/2024	0.86	1.2	0.76	0.84	1.1	1.6	0.8	**130**	0.77	180	67	91	6.6	8.1	73.5	2.5 x dilution required
01589 MW-34	9/13/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-35	9/13/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-36	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-38R	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-1	9/13/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-2	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-3	9/12/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-4	9/13/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-5	9/13/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 RW-1	9/13/2024	**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 required
01589 RW-2	9/13/2024	**1,720**	**2,420**	**1,520**	**1,690**	**2,110**	**3,220**	**1,610**	**260,000**	**1,540**	**361,000**	**134,000**	**182,000**	**13,300**	**16,200**	**147,000**	5,000 x dilution required
01589 RW-3	9/12/2024	**69**	**97**	**60.8**	**67.6**	0.42	**129**	0.32	51.9	0.31	72.2	26.8	**7,280**	2.7	3.2	29.4	200 x dilution required: B, T, E, X, N, tAA
01589 RW-4	9/12/2023	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 RW-6	9/12/2023	**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 required
01589 RW-7	9/13/2024	**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 required
01589 RW-8	9/12/2024	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**	5x dilution required
01589 RW-9	9/12/2024	**86.2**	**121**	**76**	**84.5**	**106**	**161**	**80.5**	**13,000**	**77**	**18,000**	**6,700**	**9,100**	**665**	**810**	**7,350**	250x dilution required
01589 RW-10	9/12/2024	**69**	**97**	**60.8**	**67.6**	0.42	**129**	0.32	51.9	0.31	72.2	26.8	**7,280**	2.7	3.2	29.4	200 x dilution required: B, T, E, X, N, tAA
01589 RW-12	9/12/2024	1.4	1.9	1.2	1.4	1.7	2.6	1.3	**208**	1.2	289	**107**	**146**	**10.6**	13	**118**	4 x dilution required

Units = µg/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**	
01589 WSW-13	9/13/24 @ 1443	<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	no detections
01589 DUP-1	9/13/24 @ 1443	<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	
RPD (%)		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bias Analysis																	
TRIP BLANK	--	<0.50	0.0013	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	trace toluene detected
01589 WSW-FB	9/13/2024	<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	
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	9/13/2024	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	9/13/2024	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

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-2	9/12/2024	0.34	0.48	0.30	0.34	0.42	0.6	0.32	51.9	0.31	72	26.8	36.4	2.70	3.20	29.4	
01589 SW-3	9/12/2024	0.34	0.48	0.30	0.34	0.42	0.6	0.32	51.9	0.31	72	26.8	36.4	2.70	3.20	29.4	
01589 SW-4	9/12/2024	0.34	0.48	0.30	0.34	0.42	0.6	0.32	51.9	0.31	72	26.8	36.4	2.70	3.20	29.4	
01589 SW-5	9/13/2024	0.34	0.48	0.30	0.34	0.42	0.6	0.32	51.9	0.31	72	26.8	36.4	2.70	3.20	29.4	
01589 SW-6	9/12/2024	0.34	0.48	0.30	0.34	0.42	0.6	0.32	51.9	0.31	72	26.8	36.4	2.70	3.20	29.4	
01589 SW-7	9/13/2024	0.34	0.48	0.30	0.34	0.42	0.6	0.32	51.9	0.31	72	26.8	36.4	2.70	3.20	29.4	
01589 SW-8	9/13/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-9	9/13/2024	0.34	0.48	0.3	0.34	0.42	0.6	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	

Notes:

Units = µg/L

NE = not established

Table 11
Calculation of COC Reduction
2nd Half 2024
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	-----	59,990.00	-----
	9/13/24	Subsequent	5,660	11,800	646	1,770	329	70	5,030	1,050	2,820	153	29,327.60		-----
		SSTL	*6*	*1,324*	*869*	*11,400*	*51*	*28*	*295*	*1,526*	*21,596*	57	*37,152.00*	-----	-----
		Subsequent > SSTL	**5,654**	**10,476**	0	0	**278**	**42**	**4,735**	0	0	96	-----	-----	21,280.60
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	-----
	9/13/24	Subsequent	4,850	3,130	608	1,890	217	78.9	13,900	1,150	0	109	25,932.90	-----	-----
		SSTL	*5*	*1,144*	*775*	*9,250*	*45*	*26*	*264*	*1,453*	*14,610*	*51*	*27,623.00*	-----	-----
		Subsequent > SSTL	**4,845**	**1,986**	0	0	**172**	**53**	**13,636**	0	0	**58**	-----	-----	20,749.90
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	-----
	9/12/24	Subsequent	110	1.3	3.4	8.9	0	0	254	35.1	0	0	412.70	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	*1,335.00*	-----	-----
		Subsequent > SSTL	**105**	0	0	0	0	0	**154**	0	0	0	-----	-----	259.000
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	-----
	9/12/24	Subsequent	0.36	0.7	0	0	0	0	0	0	0	0	1.06	-----	-----
		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	-----
	9/12/24	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 (1)	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	-----
	9/20/23	Subsequent	1,830	4,070	337	4,130	459	189	11,700	1,500	0	0	24,215.00	-----	-----
		SSTL	*12*	*3,709*	*2,005*	*8,920*	*131*	*46*	*658*	*2,383*	*40,000*	*122*	*57,986.00*	-----	-----
		Subsequent > SSTL	1,818	361	0	0	**328**	**143**	**11,042**	0	0	0	-----	-----	13,692.00
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	-----
	9/12/24	Subsequent	486	88.8	23.7	144	0	10.1	0	0	0	0	752.60	-----	-----
		SSTL	*21*	*8,500*	*2,390*	*12,700*	*200*	*67*	*1,247*	*3,356*	*40,000*	*222*	*68,703.00*	-----	-----
		Subsequent > SSTL	**465**	0	0	0	0	0	0	0	0	0	-----	-----	465.00
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	-----
	9/12/24	Subsequent	0.00	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	-----
	9/12/24	Subsequent	0	0	0	0	0.57	0	0	0	0	0	0.57	-----	-----
		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
2nd Half 2024
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-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	-----	0.00	-----
	9/12/24	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-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	-----	0.00	-----
	9/12/24	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-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	-----	1,391.10	-----
	9/13/24	Subsequent	15.1	0	0	0	1.9	0	0	0	0	0	17.00	-----	-----
		SSTL	*7*	*13*	*47*	*25*	*10*	*9*	*382*	*250*	*1,000*	*26*	***1,769.00***	-----	-----
		Subsequent > SSTL	**8**	0	0	0	0	0	0	0	0	0	-----	-----	8.10
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	-----	158.20	-----
	9/13/24	Subsequent	11.5	0	100	42.8	0	91.2	0	0	0	0	245.50	-----	-----
		SSTL	*7*	*20*	*490*	*1,630*	*5*	*30*	*334*	*500*	*1,000*	*100*	***4,116.00***	-----	-----
		Subsequent > SSTL	**5**	0	0	0	0	**61**	0	0	0	0	-----	-----	65.70
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	-----	0.10	-----
	9/12/24	Subsequent	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	-----	-----	0.00
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	-----	15,980.00	-----
	9/13/24	Subsequent	2,050	3,400	677	2,890	0	75.6	2,060	0	0	0	11,152.60	-----	-----
		SSTL	*7*	*1,534*	*870*	*4,850*	*50*	*29*	*382*	*1,758*	*10,000*	*73*	***19,553.00***	-----	-----
		Subsequent > SSTL	**2,043**	**1,866**	0	0	0	**47**	**1,678**	0	0	0	-----	-----	5,633.60
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	-----	0.00	-----
	9/13/24	Subsequent	0	0	0.36	0	0	0	0	0	0	0	0.36	-----	-----
		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-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	-----	0.000	-----
	9/13/24	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*	***1,335.000***	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00

Table 11
Calculation of COC Reduction
2nd Half 2024
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-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	-----	0.000	-----
	9/13/24	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	1,335.000	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	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	-----	0.00	-----
	9/13/24	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	1,335.000	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	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	-----	0.00	-----
	9/13/24	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	1,335.000	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	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	-----	0.00	-----
	9/12/24	Subsequent	0	0	0	0	0	0	0	33.7	0	0	34	-----	-----
		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-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	-----	0.00	-----
	9/12/24	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-23	Initial	Initial	0	0	0	0	1.8	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	-----	0.00	-----
	9/12/24	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-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	-----	0.00	-----
	9/12/24	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-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	-----	0.00	-----
	9/12/24	Subsequent	35.2	0	0	0	0.71	0	0	0	0	0	36	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Subsequent > SSTL	30	0	0	0	0	0	0	0	0	0	-----	-----	30.20

Table 11
Calculation of COC Reduction
2nd Half 2024
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-26R	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	-----
	9/12/24	Subsequent	0	0	0	0	17.3	0	276	0	0	8.7	302.00	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	12	0	176	0	0	0	-----	-----	188.30
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 > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	9/12/24	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-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 > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	9/12/24	Subsequent	0	8.1	0	0	0	0	0	0	0	0	8.10	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Subsequent > SSTL	0	3	0	0	0	0	0	0	0	0	-----	-----	3.10
01589 MW-29R	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 > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.40	-----
	9/12/24	Subsequent	0	0	0	0	118	4.8	4,970	546	0	29.4	5,668	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*7*	*5*	*100*	*100*	*1,000*	*100*	***1,337.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	111	0	4,870	446	0	0	-----	-----	5,427.00
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 > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	9/12/24	Subsequent	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
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 > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	9/12/24	Subsequent	0	0	0	0	0	0	0	35.7	0	0	36	-----	-----
		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-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 > SSTL	293	0	0	0	0	0	0	0	0	0	-----	293.80	-----
	9/12/24	Subsequent	319	6.7	15.1	26.5	9.6	9.5	1,320	344	0	0	2,050	-----	-----
		SSTL	*13*	*9*	*10*	*17*	*11*	*2*	*284*	*200*	*1,000*	*100*	***1,646.00***	-----	-----
		Subsequent > SSTL	306	0	5	10	0	8	1,036	144	0	0	-----	-----	1,508.10
01589 MW-33 (2)	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 > SSTL	4,174	11,995	1,001	0	1	330	0	0	0	0	-----	17,500.50	-----
	3/19/2024	Subsequent	3,490	13,700	2,120	11,900	0	347	0	0	0	0	31,557	-----	-----
		SSTL	*6*	*1,205*	*759*	*11,013*	*57*	*26*	*265*	*1,795*	*25,000*	*56*	***40,182.00***	-----	-----
		Subsequent > SSTL	3,484	12,495	1,361	887	0	321	0	0	0	0	-----	-----	18,548.00

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2nd Half 2024
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-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 > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	9/13/24	Subsequent	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
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 > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	9/13/24	Subsequent	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
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 > SSTL	9	0	0	0	0	0	0	0	0	0	-----	8.50	-----
	9/13/2024	Subsequent	3.4	0.79	3.5	0.96	0	0	1,230	69.4	0	0	1,308	-----	-----
		SSTL	*6*	*102*	*113*	*223*	*5*	*13*	*148*	*100*	*1,000*	*100*	***1,810.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	**1,082**	0	0	0	-----	-----	1,082.00
01589 MW-37R (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	-----	0.00	-----
	9/19/23	Subsequent	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
01589 MW-38R	Initial	Initial	73.6	0	0	0	11.2	0	138	0	0	0	222.80	-----	-----
		SSTL	*74*	*5*	*5*	*2*	*11*	*5*	*100*	*100*	*1,000*	*100*	***1,402.00***	-----	-----
		Initial > SSTL	0	0	0	0	0	0	38	0	0	0	-----	0.20	-----
	9/12/24	Subsequent	2.3	0	0	0	132	3.6	2,770	765	0	31.8	3,705	-----	-----
		SSTL	*74*	*5*	*5*	*2*	*11*	*5*	*100*	*100*	*1,000*	*100*	***1,402.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	**121**	0	**2,670**	**665**	0	0	-----	-----	3,456.00
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 > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.10	-----
	9/13/24	Subsequent	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		SSTL	*7*	*6*	*6*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,339.00***	-----	-----
		Subsequent > SSTL	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 > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	9/12/24	Subsequent	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
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 > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	9/12/24	Subsequent	0	0	0	0	18.6	0	0	29.9	0	5.7	54	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	**14**	0	0	0	0	0	-----	-----	13.60
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 > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	9/13/24	Subsequent	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

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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	-----	0.00	-----
	9/13/24	Subsequent	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
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	-----	0.30	-----
	9/12/24	Subsequent	59.2	0	0.81	2.1	0	0.65	0	0.0	0	0	63	-----	-----
		SSTL	*3*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,333.00***	-----	-----
		Subsequent > SSTL	**56**	0	0	0	0	0	0	0	0	0	-----	-----	56.20
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	-----	9,956.00	-----
	9/12/24	Subsequent	154	120	236	825	0	71.9	492	0	0	0	1,899	-----	-----
		SSTL	*5*	*1,144*	*556*	*5,080*	*45*	*26*	*264*	*1,453*	*10,000*	*51*	***18,624.00***	-----	-----
		Subsequent > SSTL	**149**	0	0	0	0	**46**	**228**	0	0	0	-----	-----	422.90
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	-----	0.00	-----
	9/13/24	Subsequent	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	-----	-----	0.00
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	-----	0.00	-----
	9/13/24	Subsequent	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	-----	-----	0.00
01589 WSW16 (4)	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	-----	0.00	-----
	3/28/23	Subsequent	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	-----	-----	0.00
01589 SW01 (5)	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	-----	0.00	-----
	3/19/24	Subsequent	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	-----	-----	0.00

Table 11
Calculation of COC Reduction
2nd Half 2024
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 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	-----	0.00	-----
	9/12/24	Subsequent	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	-----	-----	0.00
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	-----	0.00	-----
	9/12/24	Subsequent	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	-----	-----	0.00
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	-----	0.00	-----
	9/12/24	Subsequent	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	-----	-----	0.00
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	-----	0.00	-----
	9/13/24	Subsequent	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	-----	-----	0.00
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	-----	0.00	-----
	9/13/24	Subsequent	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	-----	-----	0.00
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	-----	0.00	-----
	9/13/24	Subsequent	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	-----	-----	0.00
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	-----	0.00	-----
	9/13/24	Subsequent	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	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00

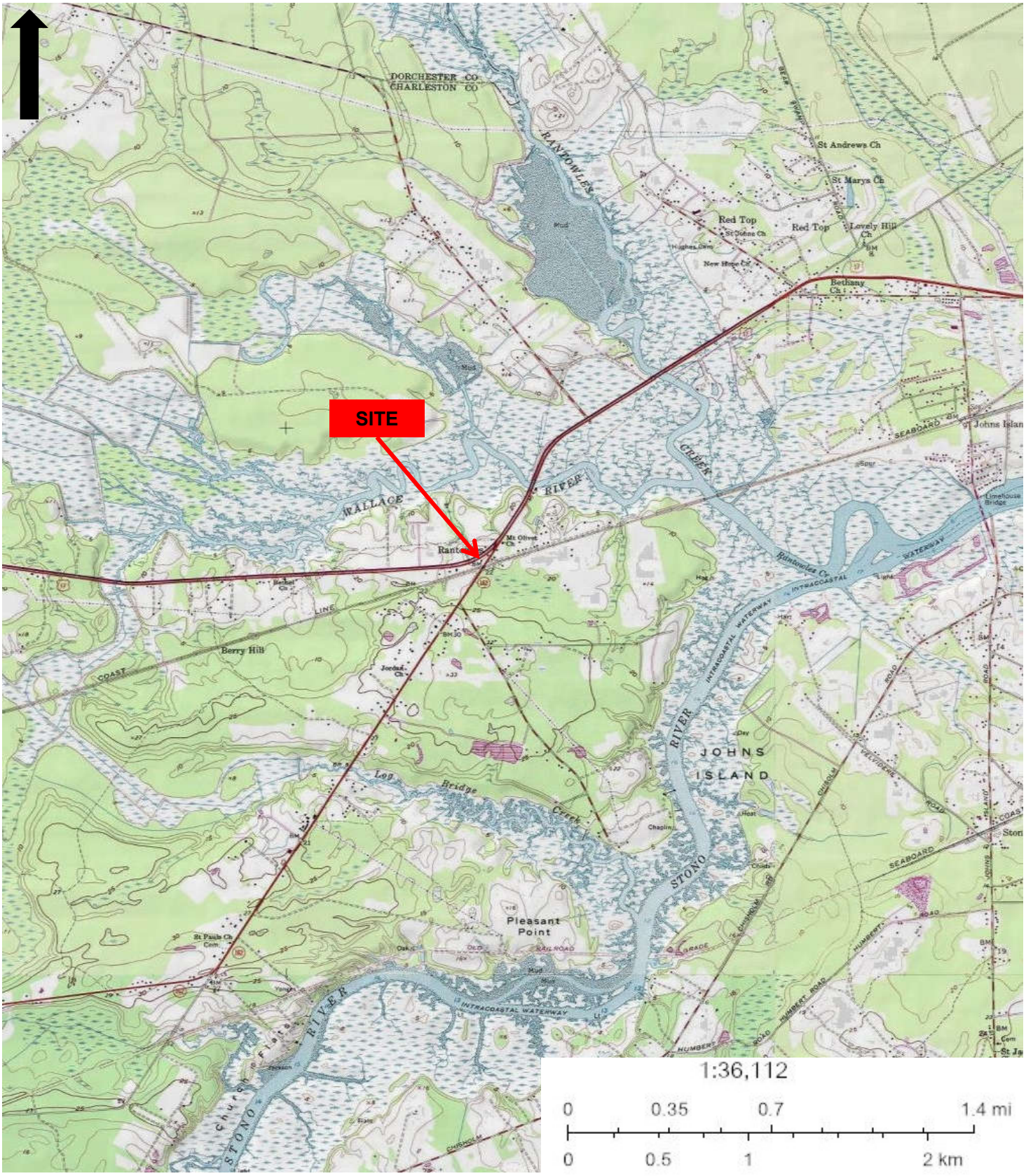
All concentrations reported in micrograms per liter
SSTL = Site-Specific Target Level.
COC Concentration Reduction = (Total Initial > SSTL) - (Total Subsequent > SSTL) X 100%
Total Initial > SSTL

For values less than the reporting limit, the reporting limit value was assumed to be zero.

Note:
1. for MW-6, due to the presence of residual NAPL, dissolved COC levels from 9/23 are utilized
2. for MW-33, due to the presence of residual NAPL, dissolved COC levels from 3/24 are utilized
3. for MW-37, since this well was inaccessible, dissolved CoC levels from 9/23 are utilized
4. for WSW-16, due the inability to access this well, dissolved COC levels from 3/23 are utilized
5. for SW-1, since this sample location was dry, dissolved CoC levels from 3/24 are utilized

	276,716.20
	71,608.70
	74.12%

FIGURES



ATLAS
6904 N. Main Street, Suite 107
Columbia, South Carolina 29203
(803) 735-0003

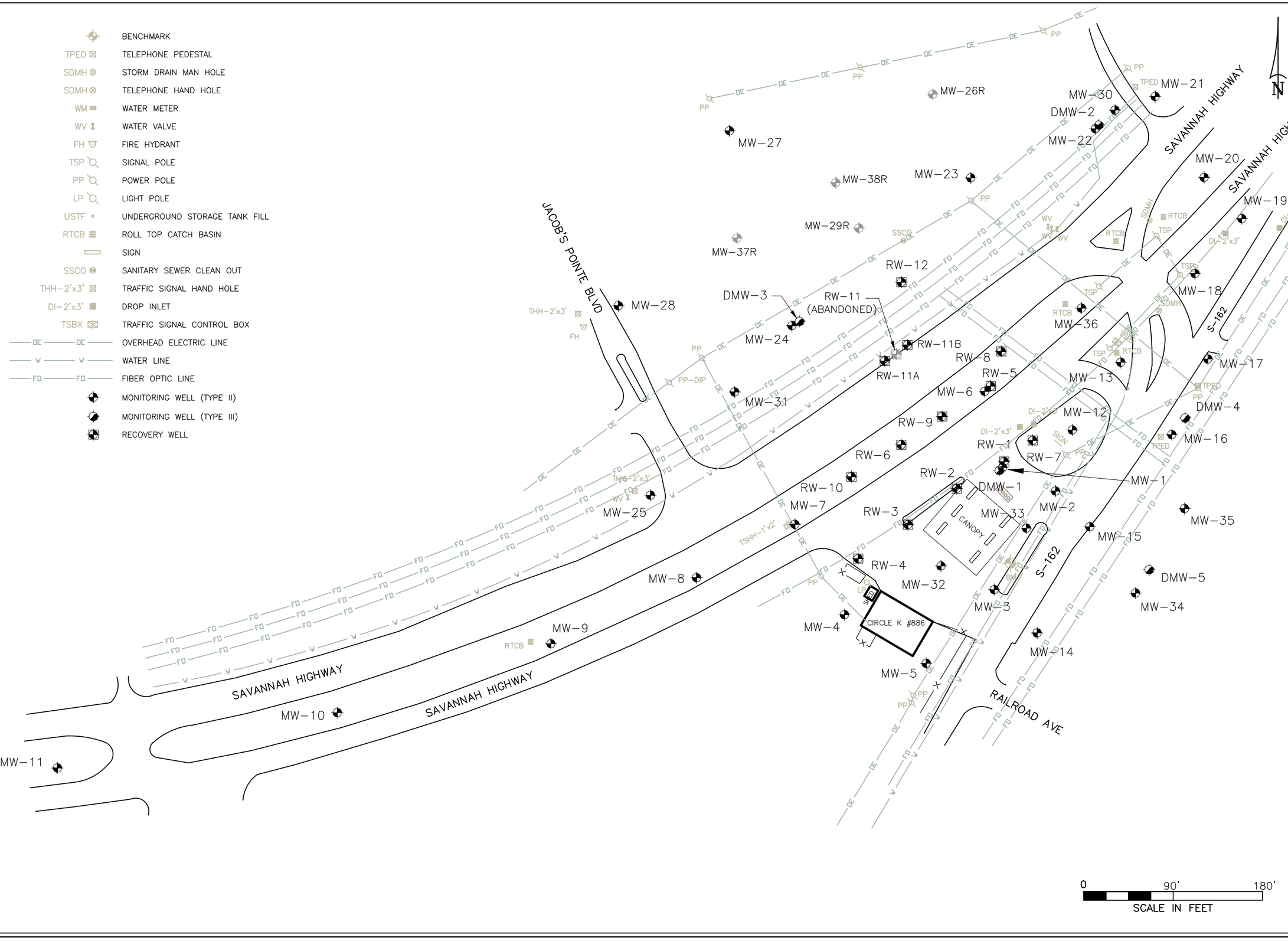
PROJECT NO.: 257CK88613		
FIGURE 1	SCALE:	REVIEWED BY: BH
DRAWN BY: CM	DATE: 2/2023	FILE: 2023 CASE

FIGURE 1
SITE LOCATION MAP

CIRCLE K STORE # 2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

- BENCHMARK
- TPED — TELEPHONE PEDESTAL
- SDMH — STORM DRAIN MAN HOLE
- SDMH — TELEPHONE HAND HOLE
- WM — WATER METER
- WV — WATER VALVE
- FH — FIRE HYDRANT
- TSP — SIGNAL POLE
- PP — POWER POLE
- LP — LIGHT POLE
- USTF — UNDERGROUND STORAGE TANK FILL
- RTCB — ROLL TOP CATCH BASIN
- SIGN
- SSCO — SANITARY SEWER CLEAN OUT
- THH–2'x3' — TRAFFIC SIGNAL HAND HOLE
- DI–2'x3' — DROP INLET
- TSBX — TRAFFIC SIGNAL CONTROL BOX
- OE — OVERHEAD ELECTRIC LINE
- W — WATER LINE
- FO — FIBER OPTIC LINE
- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL



NOTES:

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

UST PERMIT #01589

CAD FILE: 1252215.dwg
TYPE CODE:
PREP. BY: BH
REV. BY:
SCALE: 1"=90'
DATE: 05-03-2024
PROJECT NO.: 257CK88613

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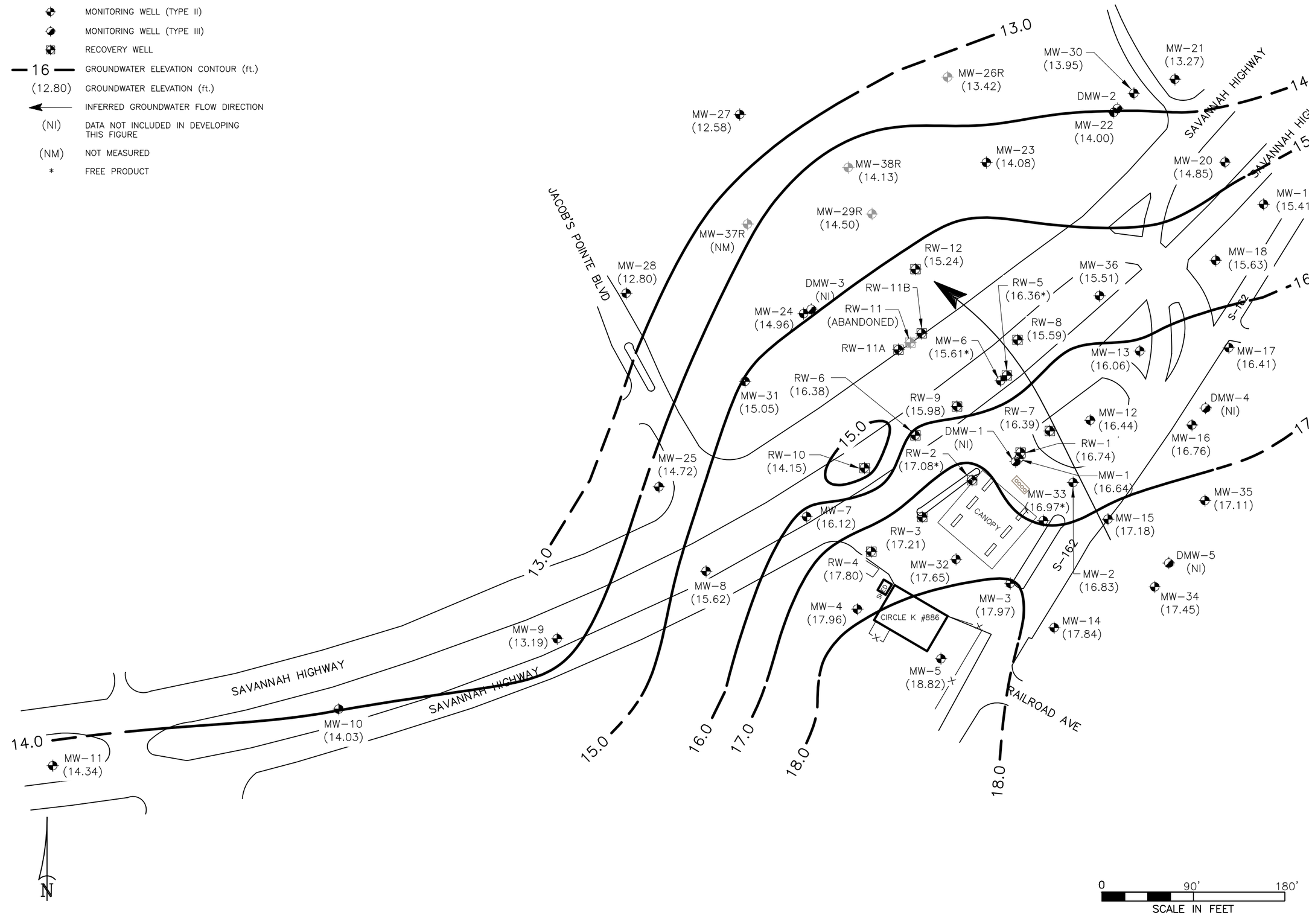
05/06/2024 2:46pm — Admin — H:\125 — ATC__1252215_p1-05-03-24.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL
- 16 — GROUNDWATER ELEVATION CONTOUR (ft.)
- (12.80) GROUNDWATER ELEVATION (ft.)
- INFERRED GROUNDWATER FLOW DIRECTION
- (NI) DATA NOT INCLUDED IN DEVELOPING THIS FIGURE
- (NM) NOT MEASURED
- * FREE PRODUCT



NOTES:
1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/12-13/2024.

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

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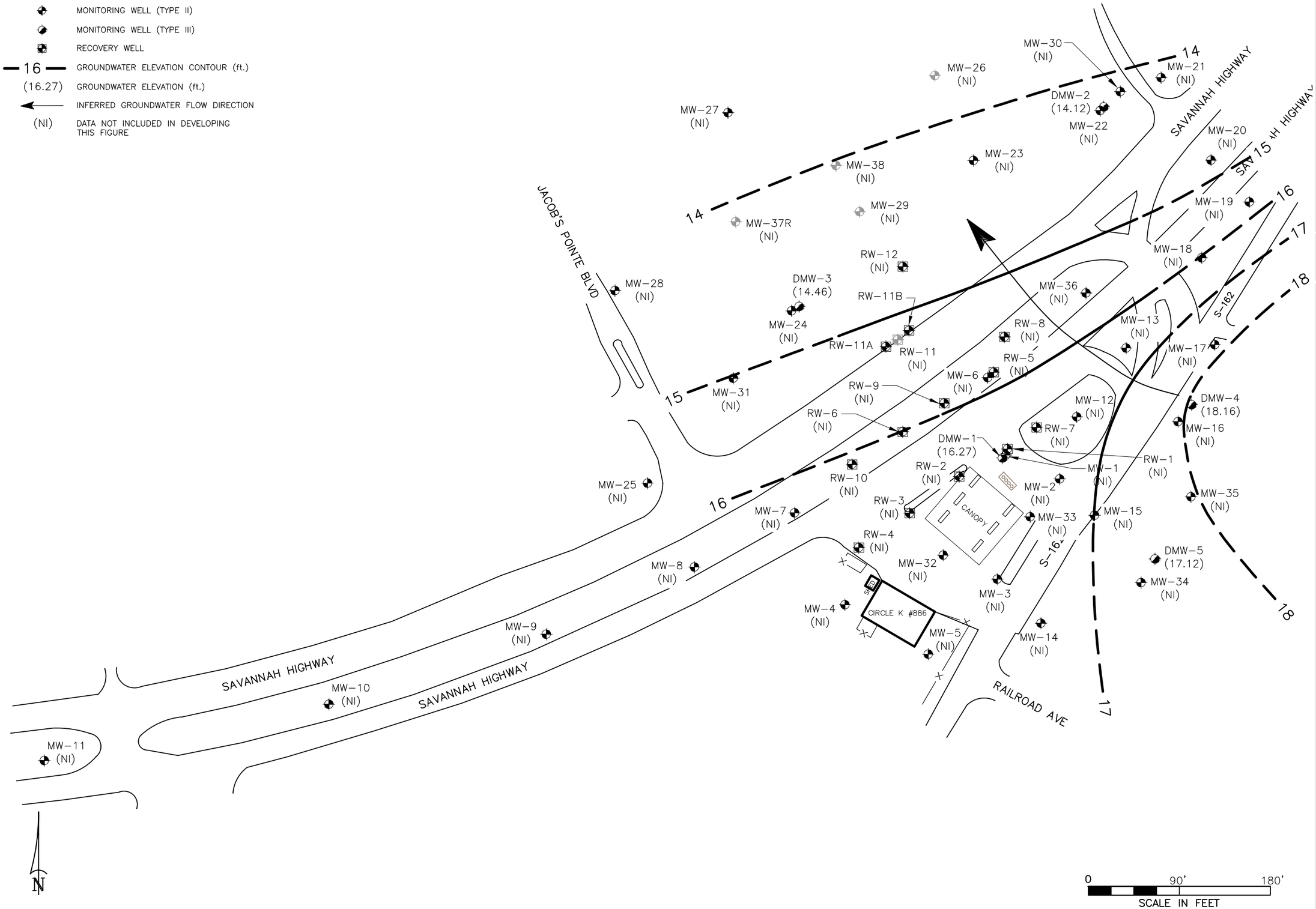
PROJECT NO.	DATE	SCALE	REV. BY	PREP. BY
257CK88613	10-30-2024	1"=90'		BH

CAD FILE	TYPE CODE
1252215.dwg	

10/31/2024 9:53am — Admin — H:\125 - ATC_1252215_p1-10-30-24_recover.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

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



NOTES:
1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/12-13/2024.

TITLE **FIGURE 4**
POTENTIOMETRIC SURFACE MAP - DEEP WELLS
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

UST PERMIT #01589

CAD FILE 1252215.dwg | TYPE CODE | PREP. BY BH | REV. BY

SCALE 1"=90'

DATE 10-30-2024

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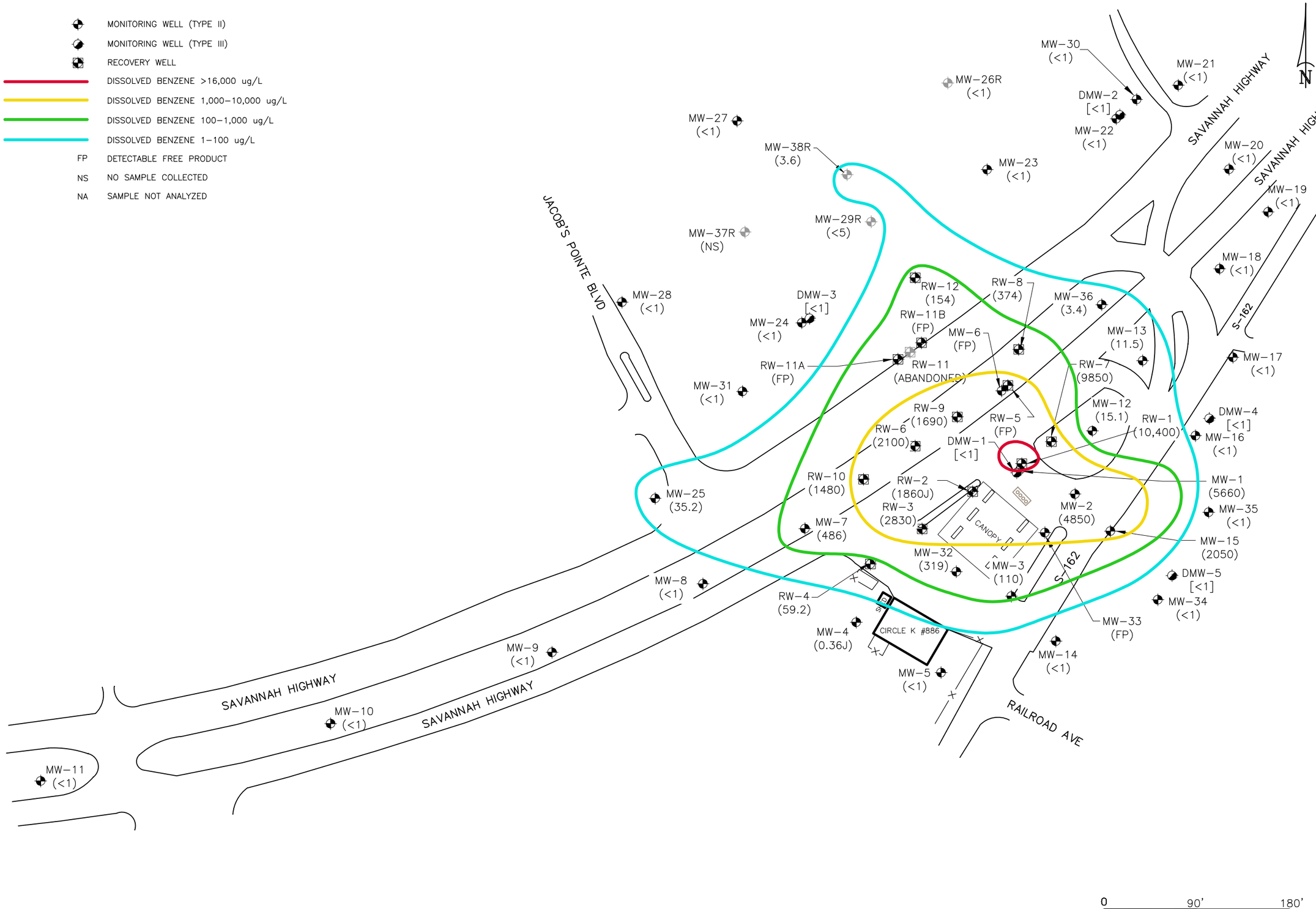
10/31/2024 9:53am - Admin - H:\125 - ATC___1252215_p1-10-30-24_recover.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL
- DISSOLVED BENZENE >16,000 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
- NS NO SAMPLE COLLECTED
- NA SAMPLE NOT ANALYZED



NOTES:
1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/12-13/2024.

TITLE **FIGURE 5**
BENZENE ISOPLETH MAP FOR GROUNDWATER - MARCH 2024
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

CAD FILE 1252215.dwg | TYPE CODE | PREP. BY BH | REV. BY

SCALE 1"=90'

DATE 10-30-2024

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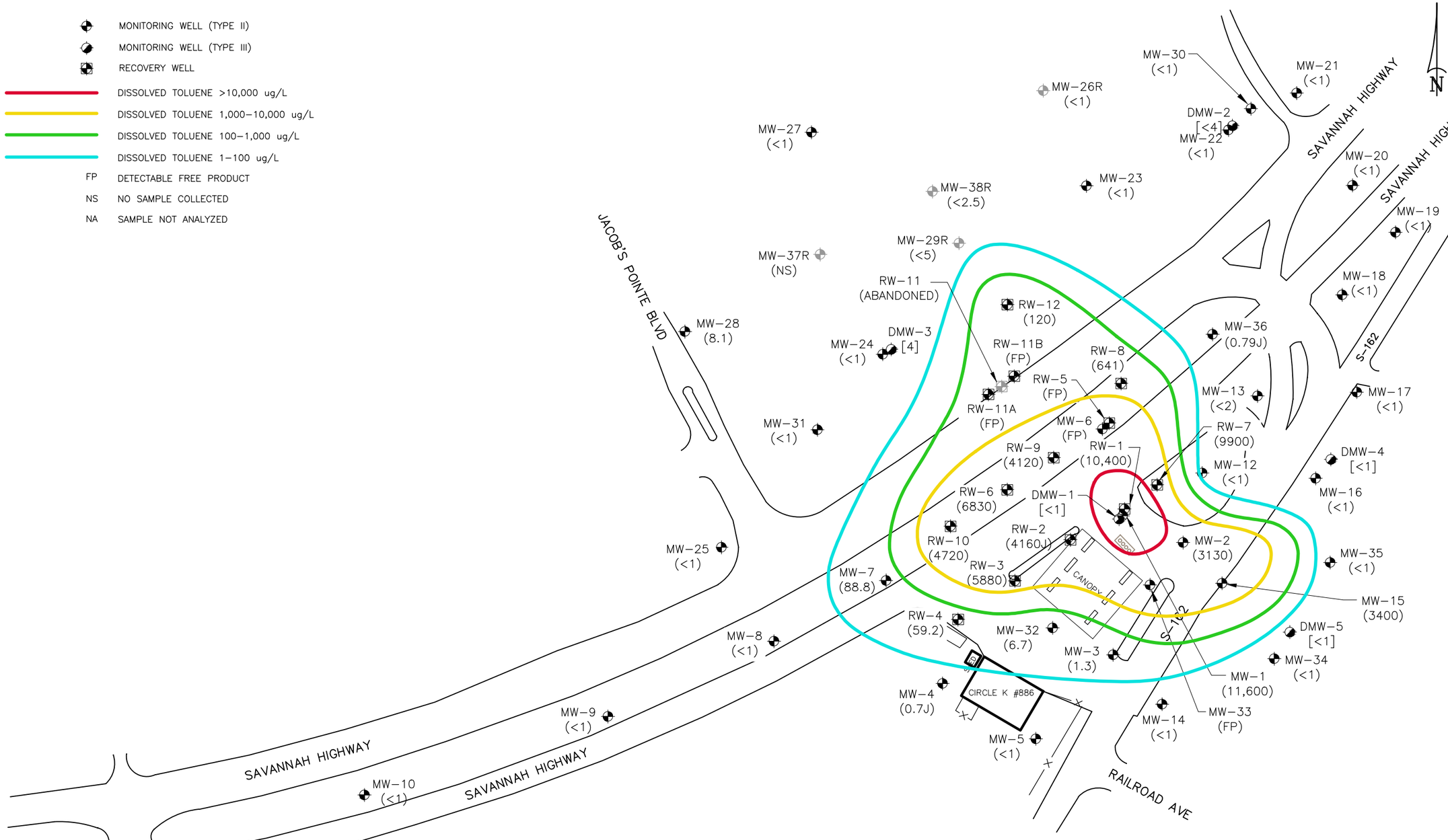
10/31/2024 9:54am – Admin – H:\125 – ATC___1252215_p1-10-30-24_recover.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL
- DISSOLVED TOLUENE >10,000 ug/L
- DISSOLVED TOLUENE 1,000–10,000 ug/L
- DISSOLVED TOLUENE 100–1,000 ug/L
- DISSOLVED TOLUENE 1–100 ug/L
- FP DETECTABLE FREE PRODUCT
- NS NO SAMPLE COLLECTED
- NA SAMPLE NOT ANALYZED



NOTES:
1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/12-13/2024.

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TITLE **FIGURE 6**
TOLUENE ISOPLETH MAP FOR GROUNDWATER - MARCH 2024
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

UST PERMIT #01589

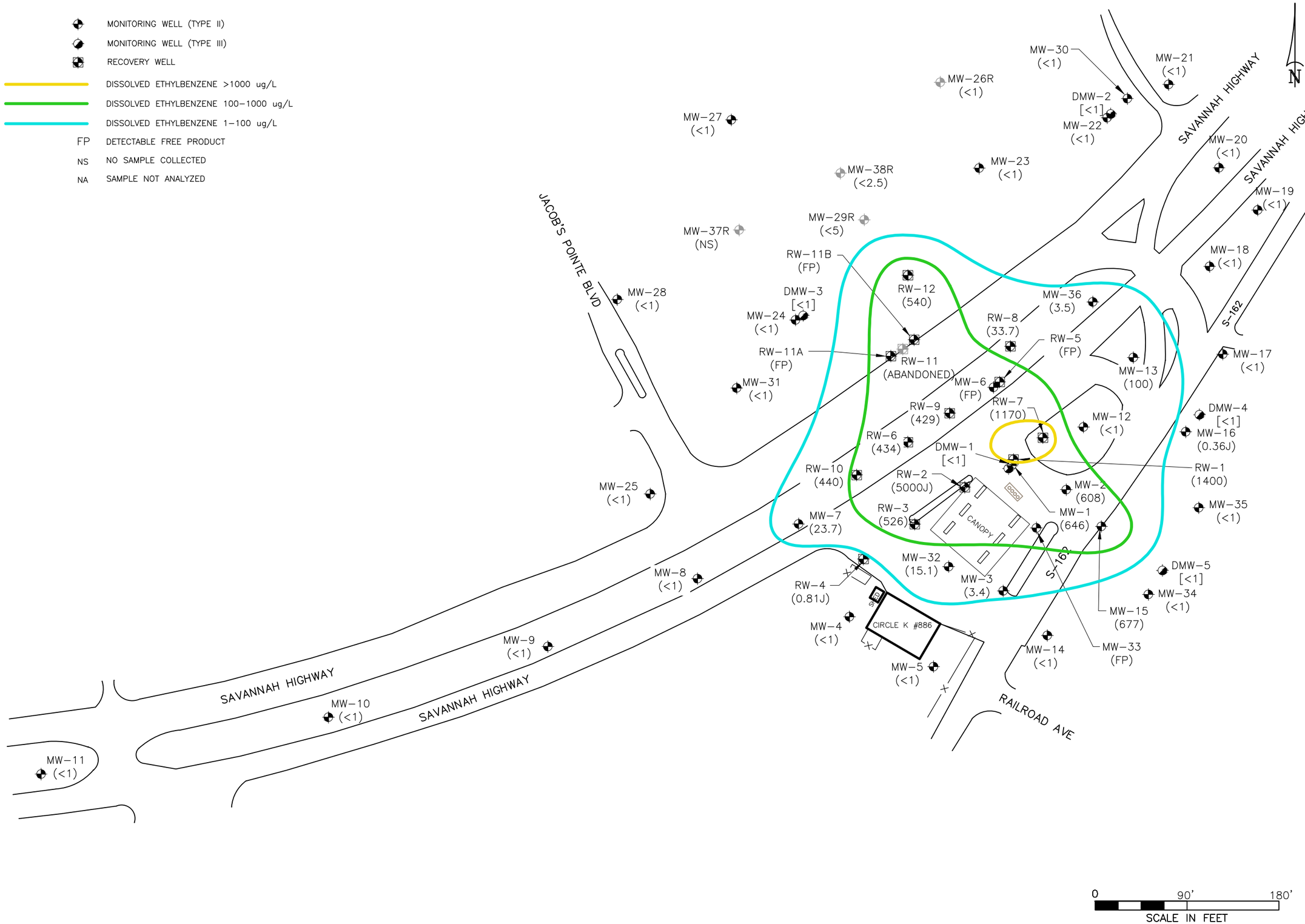
PROJECT NO.	DATE	SCALE	REV. BY	PREP. BY	TYPE CODE
257CK88613	10-30-2024	1"=90'		BH	

CAD FILE: 1252215.dwg

10/31/2024 9:54am – Admin – H:\125 – ATC__1252215_p1-10-30-24_recover.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL
- DISSOLVED ETHYLBENZENE >1000 ug/L
- DISSOLVED ETHYLBENZENE 100–1000 ug/L
- DISSOLVED ETHYLBENZENE 1–100 ug/L
- FP DETECTABLE FREE PRODUCT
- NS NO SAMPLE COLLECTED
- NA SAMPLE NOT ANALYZED



NOTES:
1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/12-13/2024.

TITLE **FIGURE 7**
ETHYLBENZENE ISOPLETH MAP FOR GROUNDWATER - MARCH 2024
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

UST PERMIT #01589

CAD FILE 1252215.dwg | TYPE CODE | PREP. BY BH | REV. BY

SCALE 1"=90'

DATE 10-30-2024

PROJECT NO. 257CK88613

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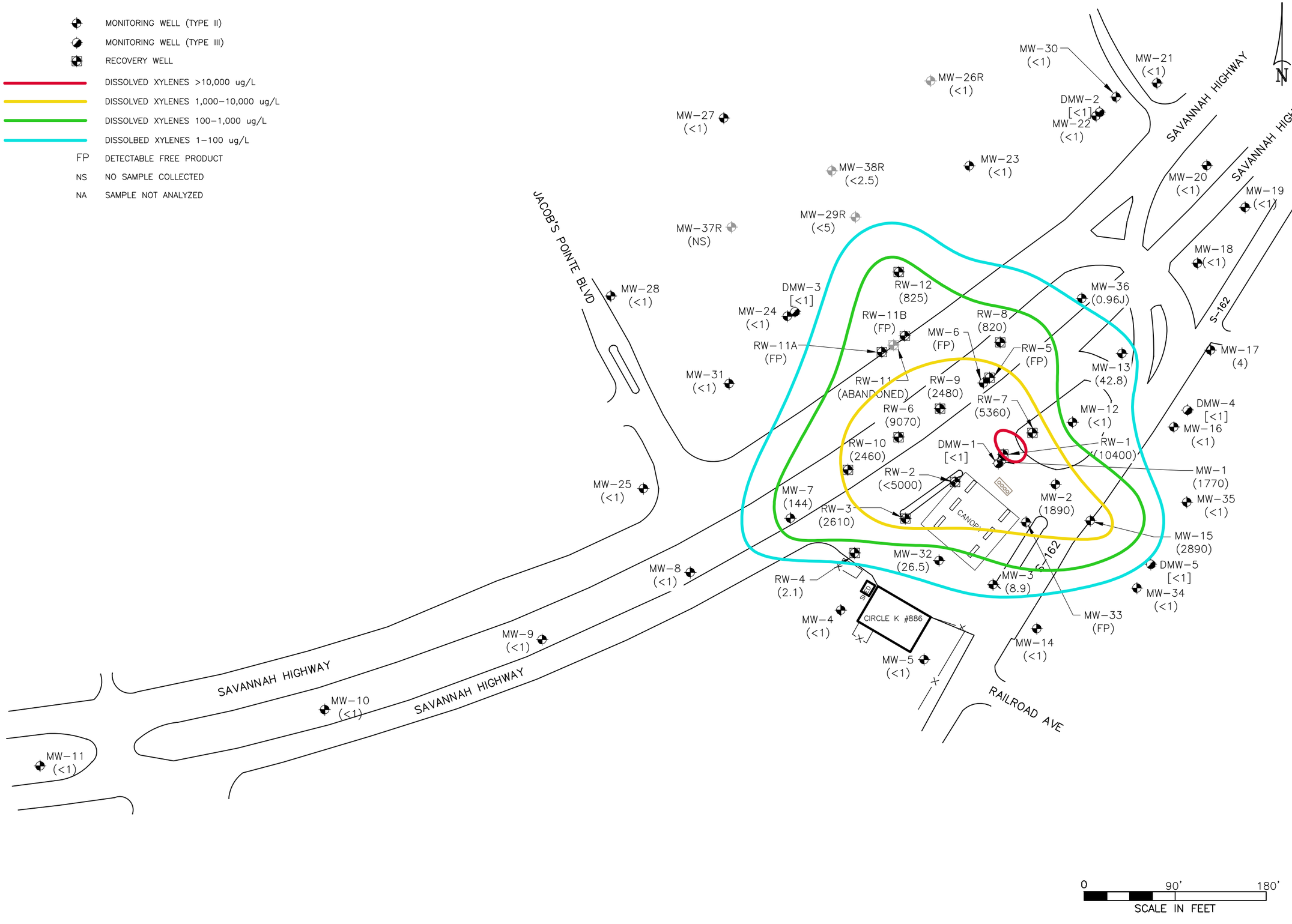
10/31/2024 9:54am – Admin – H:\125 – ATC__1252215_p1-10-30-24_recover.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL
- DISSOLVED XYLENES >10,000 ug/L
- DISSOLVED XYLENES 1,000–10,000 ug/L
- DISSOLVED XYLENES 100–1,000 ug/L
- DISSOLBED XYLENES 1–100 ug/L
- FP DETECTABLE FREE PRODUCT
- NS NO SAMPLE COLLECTED
- NA SAMPLE NOT ANALYZED



NOTES:
1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/12-13/2024.

TITLE **FIGURE 8**
XYLENES ISOPLETH MAP FOR GROUNDWATER - MARCH 2024
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

UST PERMIT #01589

CAD FILE 1252215.dwg | TYPE CODE | PREP. BY BH | REV. BY | SCALE 1"=90' | DATE 10-30-2024 | PROJECT NO. 257CK88613

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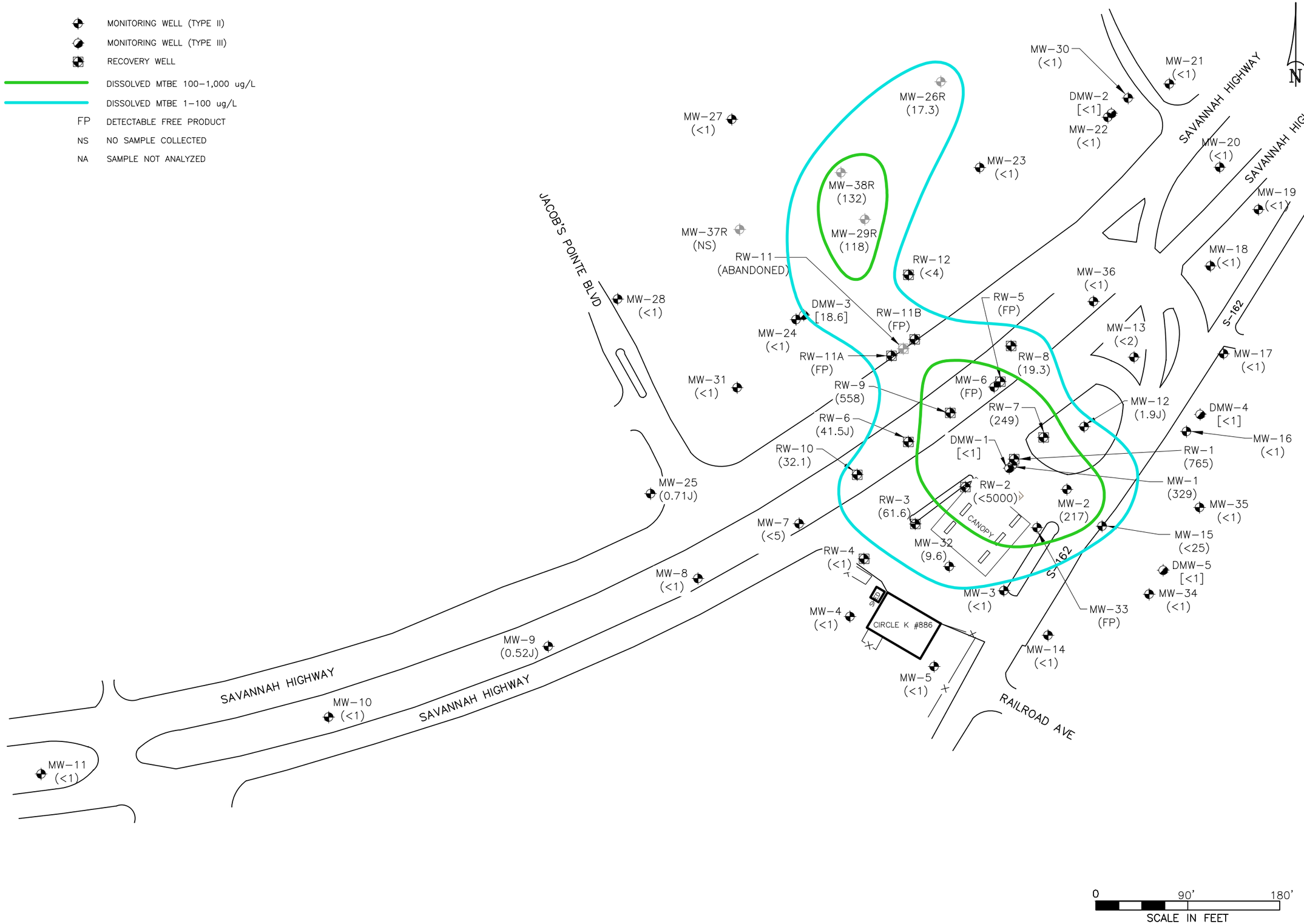
10/31/2024 9:54am – Admin – H:\125 – ATC__1252215_p1-10-30-24_recover.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL
- DISSOLVED MTBE 100–1,000 ug/L
- DISSOLVED MTBE 1–100 ug/L
- FP DETECTABLE FREE PRODUCT
- NS NO SAMPLE COLLECTED
- NA SAMPLE NOT ANALYZED



NOTES:
1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/12-13/2024.

TITLE **FIGURE 9**
MTBE ISOPLETH MAP FOR GROUNDWATER - UST PERMIT #01589
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

CAD FILE 1252215.dwg | TYPE CODE | PREP. BY BH | REV. BY

SCALE 1"=90' | DATE 10-30-2024 | PROJECT NO. 257CK88613

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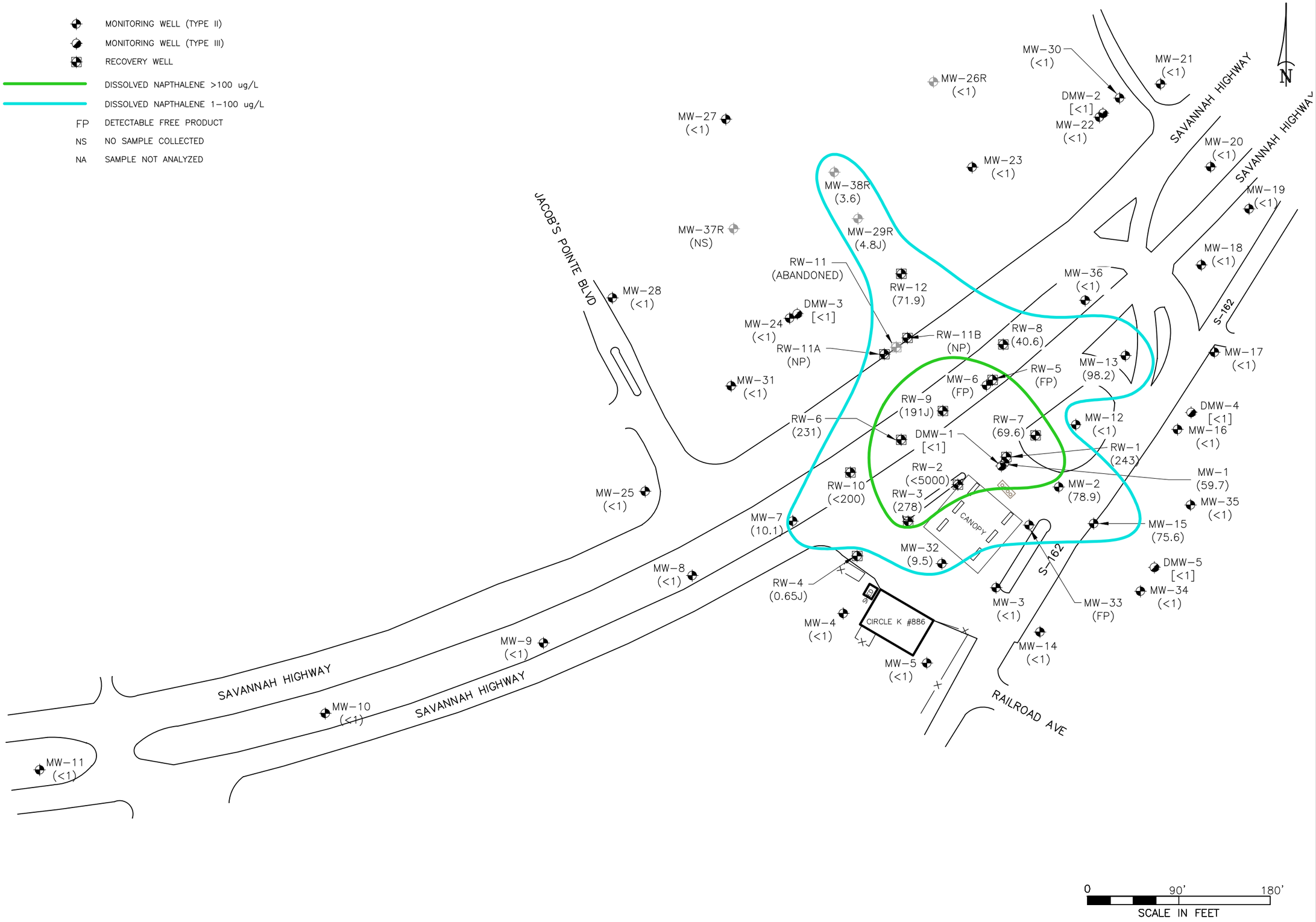
10/31/2024 9:55am – Admin – H:\125 – ATC__1252215_p1-10-30-24_recover.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

MONITORING WELL (TYPE II)
MONITORING WELL (TYPE III)
RECOVERY WELL
DISSOLVED NAPTHALENE >100 ug/L
DISSOLVED NAPTHALENE 1–100 ug/L
FP DETECTABLE FREE PRODUCT
NS NO SAMPLE COLLECTED
NA SAMPLE NOT ANALYZED



NOTES:
1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/12-13/2024.

ATLAS
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TITLE **FIGURE 10**
NAPHTHALENE ISOPLETH MAP FOR GROUNDWATER - MARCH 2024
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA
UST PERMIT #01589

PROJECT NO.	DATE	SCALE	REV. BY
257CK88613	10-30-2024	1"=90'	

CAD FILE	TYPE CODE	PREP. BY
1252215.dwg		BH

10/31/2024 9:55am - Admin - H:\125 - ATC__1252215_p1-10-30-24_recover.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

10/31/2024 9:56am – Admin – H:\125 – ATC__1252215_s2-10-30-24.dwg

N

0 140' 280'
SCALE IN FEET

SW–3	ug/L	SURFACE WATER 09/12/24
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 09/13/24
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 09/13/24
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 09/13/24
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 09/12/24
BENZENE		<1.0
TOLUENE		9.4
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 09/12/24
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 09/12/24
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–5	ug/L	SURFACE WATER 09/13/24
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

POND
SW–3
SW–9
SW–7
SW–8
SW–6
STREAM
SW–5
SW–4
SW–2
SW–1
MW–26
MW–27
MW–23
MW–21
MW–30
MW–22
DMW–2
MW–20
MW–19
MW–18
MW–17
MW–16
MW–15
MW–14
MW–13
MW–12
MW–29
MW–28
DMW–3
MW–24
MW–31
MW–25
MW–10
MW–11
MW–9
MW–8
MW–7
MW–6
MW–5
MW–4
MW–3
MW–2
MW–1
RW–1
RW–2
RW–3
RW–4
RW–5
RW–6
DMW–1
CANOPY
CIRCLE K #886
SAVANNAH HIGHWAY
POINTE BLVD
S–162
RAILROAD AVE

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

NOTES:

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DATE 10-30-2024
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TYPE CODE
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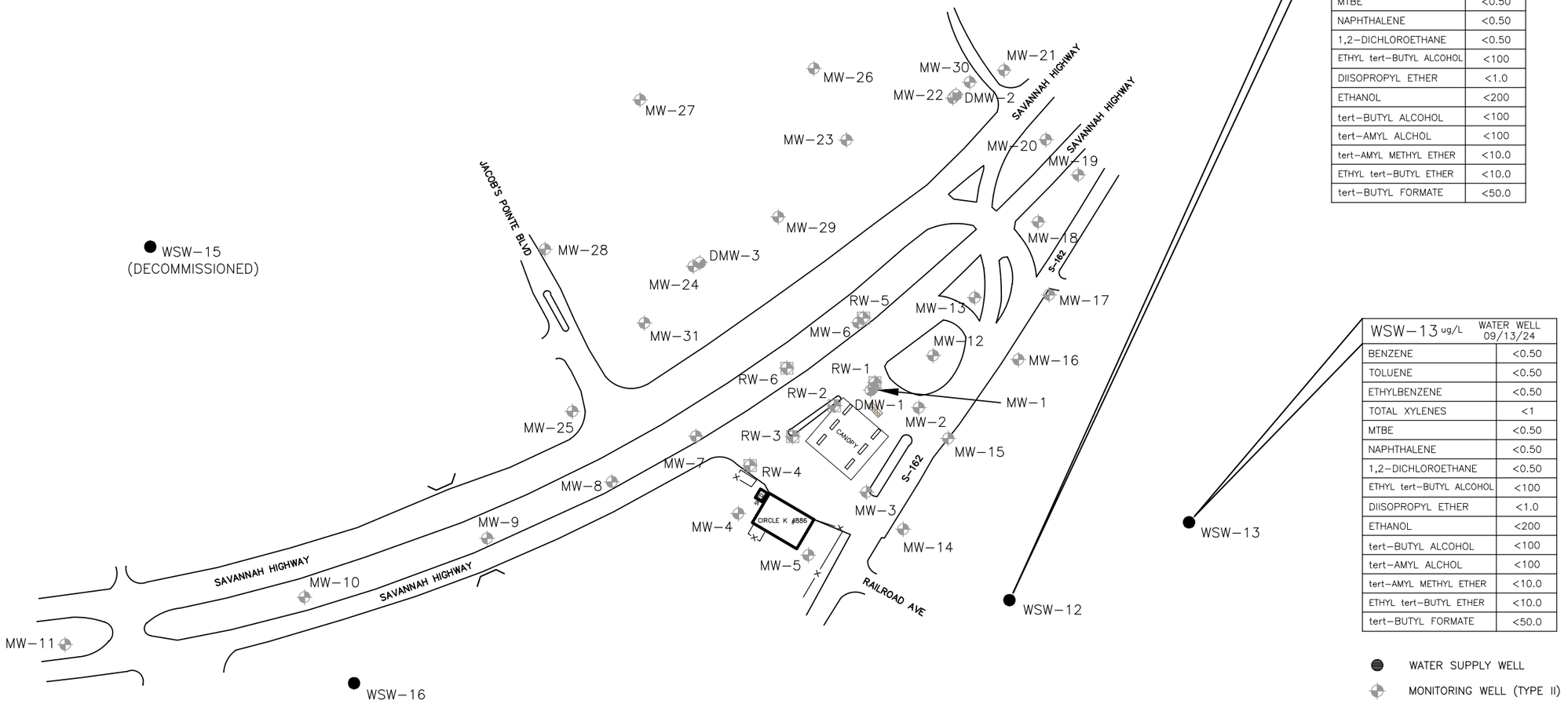
TITLE **FIGURE 11**
SURFICIAL WATER SAMPLE RESULTS - MARCH 2024
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

10/31/2024 9:56am – Admin – H:\125 – ATC__1252215_p2-10-30-24.dwg

N

0 140' 280'
SCALE IN FEET



WSW-12 ug/L	WATER WELL 09/13/24
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 09/13/24
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

WATER SUPPLY WELL
MONITORING WELL (TYPE II)
MONITORING WELL (TYPE III)
RECOVERY WELL

NOTES:

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PROJECT NO. 257CK88613
DATE 10-30-2024
SCALE 1"=140'
REV. BY
PREP. BY BH
TYPE CODE
CAD FILE 1252215.dwg

TITLE **FIGURE 12**
WATER WELL SAMPLE RESULTS - MARCH 2024
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

APPENDIX A
FIELD DATA INFORMATION SHEETS

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: R. Duthie, J. Gray, A. Willes
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: cloudy	Ambient Air Temp (°F): 78

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: MW1	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 2.0 - 12.0		Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.98		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								~~N~~ 13.39
Time (military)	1329						7.38	~~.06~~
PH (s.u.)	7.38							.008
Specific Conductivity (µS/cm)	.008							29.45
Water Temperature (°C)	29.45							227
Turbidity (NTU)	227							6.45
Dissolved Oxygen (mg/L)	6.45							

Sampling Data

Sampled By: Robert A. Duthie	Sampling Time: 1329	Duplicate: Y or N	If yes, Duplicate Time: 1329

Signature:

Notes:

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: J. Gray, A. William, R. Dunn
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Mostly Clear	Ambient Air Temp (°F): 82°

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2 - 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.76		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1259
Time (military)	1259							5.61
PH (s.u.)	5.61							857
Specific Conductivity (µS/cm)	857							31.82
Water Temperature (°C)	31.82							57.9
Turbidity (NTU)	57.9							2.66
Dissolved Oxygen (mg/L)	2.66							

Sampling Data

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

Notes:

Signature: J. Gray

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/12/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: J. Gray, A. Williams, R. Dunn	
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: cloudy		Ambient Air Temp (°F): 80

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2 - 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.87		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1318
Time (military)	13.18							6.18
PH (s.u.)	6.18							1.46
Specific Conductivity (µS/cm)	1.46							29.75
Water Temperature (°C)	29.75							17.9
Turbidity (NTU)	17.9							6.59
Dissolved Oxygen (mg/L)	6.59							

Sampling Data

Sampled By: J. Gray	Sampling Time: 1318	Duplicate: Y or (N)	If yes, Duplicate Time:

Signature:

Notes:

GRAY

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/12/2024	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: Robert A. Duthe, JG, AW
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 78

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 20-12.0	Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.84		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1147							1147
PH (s.u.)	6.29							6.29
Specific Conductivity (µS/cm)	.383							.383
Water Temperature (°C)	25.64							25.64
Turbidity (NTU)	18.0							18.0
Dissolved Oxygen (mg/L)	~~2~~ 3.60							3.60

Sampling Data

Sampled By: Robert A. Duthe	Sampling Time: 1147	Duplicate: Y or (N)	If yes, Duplicate Time:
Notes:		Signature:	

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/12/2024	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: Robert A. Duthe, JG, AW
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: cloudy	Ambient Air Temp (°F): 78

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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		Method of Purging/Sample Collection: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2.0 - 12.0	Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.75		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1201
Time (military)	1201							6.35
PH (s.u.)	6.35							0.180
Specific Conductivity (µS/cm)	0.180							25.72
Water Temperature (°C)	25.72							~~0.180~~ 20.8
Turbidity (NTU)	~~0.180~~ 20.8							4.56
Dissolved Oxygen (mg/L)	4.56							

Sampling Data

Sampled By: Robert A. Duthe	Sampling Time: 1201	Duplicate: Y or (N)	If yes, Duplicate Time:
Notes:		Signature:	

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/12/2024	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: Robert A. Duthie, JG, AW
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 76

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: MW7	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2.0 - 12.0	Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 3.43		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1213
Time (military)	1213							6.13
PH (s.u.)	6.13							0.809
Specific Conductivity (µS/cm)	0.809							26.60
Water Temperature (°C)	26.60							41.2
Turbidity (NTU)	41.2							4.22
Dissolved Oxygen (mg/L)	4.22							

Sampling Data

Sampled By: Robert A. Duthie	Sampling Time: 1213	Duplicate: Y or (N)	If yes, Duplicate Time:

Signature: Robert A. Duthie

Notes:

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/12/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: J. Gray B. Williams R. Dutton
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Clear	Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 2 - 12		Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 7.52		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1119							1119
PH (s.u.)	7.81							7.81
Specific Conductivity (µS/cm)	125							125
Water Temperature (°C)	27.55							27.55
Turbidity (NTU)	103							103
Dissolved Oxygen (mg/L)	5.08							5.08

Sampling Data

Sampled By: J. Gray	Sampling Time: 1119	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: J. Gray

GRAYS

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/12/2024	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: Robert A. Duthie, JG, AW
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 75

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 2.0-12.0		Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 3.31		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1116							1116
PH (s.u.)	6.02							6.02
Specific Conductivity (µS/cm)	.295							.295
Water Temperature (°C)	25.38							25.38
Turbidity (NTU)	31.1							31.1
Dissolved Oxygen (mg/L)	3.15							3.15

Sampling Data

Sampled By: Robert A. Duthie	Sampling Time: 1116	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Robert Duthie

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/12/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: J. Gray / A. Williams Mobert
County: Charleston	Project Manager: R. Dunn	General Weather Conditions:	Ambient Air Temp (°F): Outside

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2-12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 3.60		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1035
Time (military)	1035							5.03
PH (s.u.)	5.03							157
Specific Conductivity (µS/cm)	157							26.28
Water Temperature (°C)	26.28							15.1
Turbidity (NTU)	15.1							2.37
Dissolved Oxygen (mg/L)	2.37							

Sampling Data

Sampled By: J. Gray	Sampling Time: 1035	Duplicate: Y or (N)	If yes, Duplicate Time:

Signature: Jaycee Gray

Notes:

Grass

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/12/2024	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: Robert A. Duthie, SG, AW
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 75

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2.0 - 12.0	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 3.79		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1046
Time (military)	1046							6.64
PH (s.u.)	6.64							.350
Specific Conductivity (µS/cm)	.350							24.76
Water Temperature (°C)	24.76							81.6
Turbidity (NTU)	81.6							2.91
Dissolved Oxygen (mg/L)	2.91							

Sampling Data

Sampled By: ~~Robert A. Duthie~~	Sampling Time: 1046	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Robert A. Duthie

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: AW RD JG
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: sunny	Ambient Air Temp (°F): 80s

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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-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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 2.0 - 12.0		Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.94		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.): 7.06	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25							
Time (military)	1300							1300
PH (s.u.)	7.14							7.14
Specific Conductivity (µS/cm) 952	952							952
Water Temperature (°C)	27.00							27.00
Turbidity (NTU)	27.9							27.9
Dissolved Oxygen (mg/L)	1.97							1.97

Sampling Data

Sampled By: AW	Sampling Time: 1300	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: J. Gray, A. Williams, R. Dunn
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 70's

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: MW13	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2-12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.42		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1039
Time (military)	1039							5.54
PH (s.u.)	5.54							360
Specific Conductivity (µS/cm)	360							27.37
Water Temperature (°C)	27.37							107
Turbidity (NTU)	107							2.90
Dissolved Oxygen (mg/L)	2.90							

Sampling Data

Sampled By: J. Gray	Sampling Time: 1039	Duplicate: Y or (N)	If yes, Duplicate Time:

Signature: J. Gray

Notes:

Grab

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/12/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: J. Gray A. Williams, R. Dunn
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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 14	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2-12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 5.61		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1320
Time (military)	1320							5.90
PH (s.u.)	5.90							1110
Specific Conductivity (µS/cm)	1110							28.88
Water Temperature (°C)	28.88							25.9
Turbidity (NTU)	25.9							2.28
Dissolved Oxygen (mg/L)	2.28							

Sampling Data

Sampled By: J. Gray	Sampling Time: 1320	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature:

Gray

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: R. Dunn, J. Gray, A. Williams
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 75

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: MW15	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 2.0-12.0		Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 5.64		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1054							1054
PH (s.u.)	6.20							6.20
Specific Conductivity (µS/cm)	0.277							0.277
Water Temperature (°C)	24.80							24.80
Turbidity (NTU)	14.0							14.0
Dissolved Oxygen (mg/L)	1.47							1.47

Sampling Data

Sampled By: AW	Sampling Time: 1054	Duplicate: Y or N	If yes, Duplicate Time: 1054

Notes: Grab, DUP2

Signature: Avery Williams

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel:	
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 70's	

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2-12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.42		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1029							1029
PH (s.u.)	4.77							4.77
Specific Conductivity (µS/cm)	392							392
Water Temperature (°C)	25.79							25.79
Turbidity (NTU)	121							121
Dissolved Oxygen (mg/L)	2.54							2.54

Sampling Data

Sampled By:	Sampling Time: 1029	Duplicate: Y or N	If yes, Duplicate Time:

Notes:

Signature:

Gross

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: J. Gary, A. William, R. Dutton
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 70's

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2 - 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.55		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1001
Time (military)	1001							5.68
PH (s.u.)	5.68							469
Specific Conductivity (µS/cm)	469							26.31
Water Temperature (°C)	26.31							137
Turbidity (NTU)	137							3.87
Dissolved Oxygen (mg/L)	3.87							

Sampling Data

Sampled By: J. Gary	Sampling Time: 1001	Duplicate: Y or (N)	If yes, Duplicate Time:

Signature: J. Gary

Notes:

Gary

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATLAS

Site Information

9/13/24	Site ID #: ~~[illegible]~~ 01519	Site Name: CK886	Field Personnel: A. Williams, R. Duthie, J. Gray	
County: Charleston	Project Manager:	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 75	

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
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 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2.0-12.0	Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.):		Depth to Groundwater (DGW) (ft.): 4.42	Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 7.58		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)	~~25.77~~ 0954						0954	25.77
PH (s.u.)	5.77							5.77
Specific Conductivity (µS/cm)	.234							.234
Water Temperature (°C)	25.77							25.77
Turbidity (NTU)	35.3							35.3
Dissolved Oxygen (mg/L)	2.37							2.37

Sampling Data

Sampled By: AW	Sampling Time: 0954	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Total Gallons: 0.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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ATLAS

Site Information

9/13/24	Site ID # ~~2280456~~ 01589	Site Name: CK 886	Field Personnel: A. Williams, R. Duthie, T. Gray
County: Charleston	Project Manager:	General Weather Conditions: cloudy	Ambient Air Temp (°F): 75

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**
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: MW19	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 20 – 12.0		Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 4.41		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 7.59	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)	0.25							
Time (military)	1002							1002
PH (s.u.)	6.04							6.04
Specific Conductivity (µS/cm)	147							147
Water Temperature (°C)	26.11							26.11
Turbidity (NTU)	193							193
Dissolved Oxygen (mg/L)	2.44							2.44

Sampling Data

Sampled By: A.W	Sampling Time: 1002	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Total Gallons: 0.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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ATLAS

Site Information

9/13/24	Site ID #: 01589 [redacted]	Site Name: CK886	Field Personnel: A. Williams, R. Duthie, J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 75

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
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 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 2.0 - 12.0		Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 3.68		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	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25							
Time (military)	0942							0942
PH (s.u.)	6.05							6.05
Specific Conductivity (µS/cm)	0.344							0.344
Water Temperature (°C)	24.62							24.62
Turbidity (NTU)	83.6							83.6
Dissolved Oxygen (mg/L)	32.2							32.2

Sampling Data

Sampled By: A.W	Sampling Time: 0942	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Total Gallons: 0.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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ATLAS

Site Information

01589

9/12/24 | Site ID # ~~2220886~~ | Site Name: CK886 | Field Personnel: A. Williams, R. Duthie, J. Gray

County: Charleston | Project Manager: R. Dunn | General Weather Conditions: overcast | Ambient Air Temp (°F): 80s

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
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-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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~ | Screened Interval (ft.): 2.0 - 12.0 | Total Well Depth (TWD) (ft.): 12.0

Depth to Free Product (DFP) (ft.): | Depth to Groundwater (DGW) (ft.): 2.89 | Free Product Thickness (ft.):

Length of water column (LWC = TWD – DGW) (ft.): 9.11 | 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)	0.25							0945
Time (military)	0945							6.91
PH (s.u.)	6.91							627
Specific Conductivity (µS/cm)	627							24.49
Water Temperature (°C)	24.49							159
Turbidity (NTU)	159							3.93
Dissolved Oxygen (mg/L)	3.93							

Sampling Data

Sampled By: Avery Williams | Sampling Time: 0945 | Duplicate: Y or (N) | If yes, Duplicate Time:

Total Gallons: 0.25

Notes: Grab

Signature: A.N.

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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ATLAS

Site Information

01589			
9/12/24	Site ID #~~[illegible]~~	Site Name: CK 880	Field Personnel: A. Williams, R. Duthie, J. Gray
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: overcast	Ambient Air Temp (°F): 80s

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
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-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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2.0-12.0	Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 4.79		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 7.21	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)	0.25							1102
Time (military)	1102							6.35
PH (s.u.)	6.35							127
Specific Conductivity (µS/cm)	127							25.41
Water Temperature (°C)	25.41							28.0
Turbidity (NTU)	28.0							8.93
Dissolved Oxygen (mg/L)	8.93							

Sampling Data

Sampled By: A.W	Sampling Time: 1102	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Total Gallons: 0.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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Site Information

9/12/24	Site ID # ~~[illegible]~~ 01589	Site Name: CK886	Field Personnel: A. Williams, R. Duthie, J. Gray
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: overcast	Ambient Air Temp (°F): 80s

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
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-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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 5.0-15.0		Total Well Depth (TWD) (ft.): 15.0
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 8.28		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 6.62	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)	0.25							
Time (military)	1220							1220
PH (s.u.)	5.82							5.82
Specific Conductivity (µS/cm)	172							172
Water Temperature (°C)	25.33							25.33
Turbidity (NTU)	1000+							1000+
Dissolved Oxygen (mg/L)	1.78							1.78

Sampling Data

Sampled By: A.W	Sampling Time: 1220	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Total Gallons: 0.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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ATLAS

Site Information

9/12/24	Site ID # 01589 (~~00000586~~)	Site Name: CK 986	Field Personnel: A. Williams, R. Duthie, T. Gray
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Overcast	Ambient Air Temp (°F): 80s

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**
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-24	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 5.0-15.0	Total Well Depth (TWD) (ft.): 15.0
Depth to Free Product (DFP) (ft.):		Depth to Groundwater (DGW) (ft.): 7.54	Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 7.46		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)	0.25							
Time (military)	1504							1504
PH (s.u.)	5.88							5.88
Specific Conductivity (µS/cm)	116							116
Water Temperature (°C)	25.38							25.38
Turbidity (NTU)	58.0							58.0
Dissolved Oxygen (mg/L)	5.31							5.31

Sampling Data

Sampled By: A.W.	Sampling Time: 1504	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Total Gallons: 0.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/12/2024	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: RA, JG, AW
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 81

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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 25	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2.0 - 12.0	Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.): n/a		Depth to Groundwater (DGW) (ft.): 1.74	Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.): 10.26		1 casing volume (CV = LWC x Cx3) (gals.): 5.76 1.70	5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.75	~~0.25~~	@ 1.75	1.75	1.75		
Time (military)	1532	1549	1558	1604	1608	1613		1613
PH (s.u.)	6.09	5.03	4.96	4.93	4.88	4.91		4.91
Specific Conductivity (µS/cm)	0.340	~~0.340~~ 235	229	223	225	229		229
Water Temperature (°C)	27.0	27.02	29.67	26.92	26.92	26.92		26.92
Turbidity (NTU)	75.1	~~75.1~~ 180	196	241	273	316		316
Dissolved Oxygen (mg/L)	5.35	2.71	2.09	2.61	6.09	3.25		3.25

Sampling Data

Sampled By: Robert A. Duthoe	Sampling Time: 1613	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature:

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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Site Information

9/12/24	Site ID # 01589 ~~[illegible]~~	Site Name: CK886	Field Personnel: A.Williams, R.Duthie, J.Gray
County: Charleston	Project Manager: R.Dunn	General Weather Conditions: overcast	Ambient Air Temp (°F): 80s

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
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-26R	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 5.0-15.0	Total Well Depth (TWD) (ft.): 15.0
Depth to Free Product (DFP) (ft.):		Depth to Groundwater (DGW) (ft.): 4.91	Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 10.09		1 casing volume (CV = LWC x C) (gals.): 1.67	Total Gallons Purged:

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.50	1.75	1.50	1.75	1.50		
Time (military)	1142	1147	1151	1154	1157	1201		1201
PH (s.u.)	5.69	5.53	5.21	5.20	5.18	5.14		5.14
Specific Conductivity (µS/cm)	335	359	326	357	384	304		304
Water Temperature (°C)	24.64	23.99	23.59	23.80	24.00	23.55		23.55
Turbidity (NTU)	86.4	521	793	922	1000+	941		941
Dissolved Oxygen (mg/L)	8.64	1.75	2.41	6.39	8.42	8.65		8.65

Sampling Data

Sampled By: A.W	Sampling Time: 1201	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Avery Williams

Total Gallons: 8.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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ATLAS

Site Information

9/12/24	Site ID # 01589 ~~[illegible]~~	Site Name: CK886	Field Personnel: A. Williams, R. Duthie, J. Gray
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: overcast	Ambient Air Temp (°F): 80s

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
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-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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 5.0-15.0		Total Well Depth (TWD) (ft.): 15.0
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 4.85		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 10.15	1 casing volume (CV = LWC x C) (gals.): 1.68		Total Gallons Purged:

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.00						
Time (military)	1524	1528						1528
PH (s.u.)	5.34	5.44						5.44
Specific Conductivity (µS/cm)	122	120						120
Water Temperature (°C)	25.28	24.79						24.79
Turbidity (NTU)	0.0	1000+						1000+
Dissolved Oxygen (mg/L)	1.22	2.41						2.41

Sampling Data

Sampled By: A.W.	Sampling Time: 1528	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Purged at 1st volume

Signature: Avery Williams

Total Gallons: 1.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/12/2024	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: RAD, JG, AW
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 81

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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 28	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): ~~5.38~~ 2.0 - 12.0	Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 5.38		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1505							1505
PH (s.u.)	5.77							5.77
Specific Conductivity (µS/cm)	0.475							0.475
Water Temperature (°C)	26.71							26.71
Turbidity (NTU)	70.2							70.2
Dissolved Oxygen (mg/L)	4.27							4.27

Sampling Data

Sampled By: Robert A. Duthie	Sampling Time: 1458	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Robert A. Duthie

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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Site Information

9/12/24	Site ID # 01589 [redacted]	Site Name: CK 886	Field Personnel: A. Williams, R. Duthie, J. Gray
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: overcast	Ambient Air Temp (°F): 81

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
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-29R	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 5.0-15.0	Total Well Depth (TWD) (ft.): 15.0
Depth to Free Product (DFP) (ft.):		Depth to Groundwater (DGW) (ft.): 5.37	Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 9.63		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)	0.25							
Time (military)	1340							1340
PH (s.u.)	5.40							5.40
Specific Conductivity (µS/cm)	360							360
Water Temperature (°C)	26.35							26.35
Turbidity (NTU)	29.0							29.0
Dissolved Oxygen (mg/L)	8.06							8.06

Sampling Data

Sampled By: A.W.	Sampling Time: 1340	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Total Gallons: 0.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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Site Information

9/ 24	Site ID # ~~2720886~~ 01589	Site Name: CK 886	Field Personnel: A.Williams, R.Duthie, J.Gray	
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Overcast	Ambient Air Temp (°F): 80s	

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
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-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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2.0 - 12.0	Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 4.11		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 7.89	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)	0.25							
Time (military)	1002							1002
PH (s.u.)	6.23							6.23
Specific Conductivity (µS/cm)	215							215
Water Temperature (°C)	25.27							25.27
Turbidity (NTU)	38.5							38.5
Dissolved Oxygen (mg/L)	8.62							8.62

Sampling Data

Sampled By: A.W	Sampling Time: 1002	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Total Gallons: 0.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/12/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: J. Gray, A. Williams, R. Dunn
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 70's

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2-12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.74		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1429
Time (military)	1429							4.69
PH (s.u.)	4.69							166
Specific Conductivity (µS/cm)	166							26.93
Water Temperature (°C)	26.93							20.3
Turbidity (NTU)	20.3							1.20
Dissolved Oxygen (mg/L)	1.20							

Sampling Data

Sampled By:	Sampling Time: 1429	Duplicate: Y or N	If yes, Duplicate Time:

Notes:

Signature:

Gray

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/12/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel:
County: Charleston	Project Manager: R. Dunn	General Weather Conditions:	Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 3 - 13		Total Well Depth (TWD) (ft.): 13
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 5.15		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1310							1310
PH (s.u.)	5.85							5.85
Specific Conductivity (µS/cm)	743							743
Water Temperature (°C)	31.62							31.62
Turbidity (NTU)	81.6							81.6
Dissolved Oxygen (mg/L)	1.62							1.62

Sampling Data

Sampled By:	Sampling Time: 1310	Duplicate: Y or N	If yes, Duplicate Time:

Notes: 6 mins

Signature:

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: J. Gray, A. Williams R. Dunn
County: Charleston	Project Manager: R. Dunn	General Weather Conditions:	Ambient Air Temp (°F): 83°

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 3 - 13	Total Well Depth (TWD) (ft.): 13
Depth to Free Product (DFP) (ft.): n/a 5.23	Depth to Groundwater (DGW) (ft.): 5.46		Free Product Thickness (ft.): NFP .23
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1239							1239
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

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

Notes:

Signature: Joseph Gray

Grab

free Product detected

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: AW, JG, RD
County: **Charleston**	Project Manager: R. Dunn	General Weather Conditions: overcast	Ambient Air Temp (°F): 75

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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-34	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 3.0 - 13.0	Total Well Depth (TWD) (ft.): 13.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 9.11		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.): 3.89	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25							
Time (military)	1207							1207
PH (s.u.)	6.02							6.02
Specific Conductivity (µS/cm)	123							123
Water Temperature (°C)	23.01							23.01
Turbidity (NTU)	89.1							89.1
Dissolved Oxygen (mg/L)	3.45							3.45

Sampling Data

Sampled By: AW	Sampling Time: 1207	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: AW, TG, RD
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Overcast	Ambient Air Temp (°F): 75

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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-35	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 3.0-13.0	Total Well Depth (TWD) (ft.): 13.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 8.04		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.): 4.96	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25							
Time (military)	12:19							12.19
PH (s.u.)	5.99							5.99
Specific Conductivity (µS/cm)	247							247
Water Temperature (°C)	23.05							23.05
Turbidity (NTU)	284							284
Dissolved Oxygen (mg/L)	4.18							4.18

Sampling Data

Sampled By: A.W	Sampling Time: 12.19	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/12/2024	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: Robert A. Duthie, JG, AW
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 81

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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 36	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 3.0 - 13.0		Total Well Depth (TWD) (ft.): 13.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 3.49		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1432							1432
PH (s.u.)	5.91							5.91
Specific Conductivity (µS/cm)	0.694							0.694
Water Temperature (°C)	27.13							27.13
Turbidity (NTU)	128							128
Dissolved Oxygen (mg/L)	4.94							4.94

Sampling Data

Sampled By: Robert A. Duthie	Sampling Time: 1427	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Robert A. Duthie

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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ATLAS

Site Information

9/12/24	Site ID #: 01589 ~~[illegible]~~	Site Name: CK886	Field Personnel: A. Williams, R. Diethie, J. Gray
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: overcast	Ambient Air Temp (°F): 80s

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**
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-38R	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 3.0-13.0	Total Well Depth (TWD) (ft.): 13.0
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 5.12		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 7.88	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)	0.25							
Time (military)	1353							1353
PH (s.u.)	5.02							5.02
Specific Conductivity (µS/cm)	524							524
Water Temperature (°C)	25.54							25.54
Turbidity (NTU)	28.9							28.9
Dissolved Oxygen (mg/L)	8.51							8.51

Sampling Data

Sampled By: A.W.	Sampling Time: 1353	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Total Gallons: 0.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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ATLAS

Site Information

9/13/24	Site ID # 01589 ~~02008866~~	Site Name: CK 886	Field Personnel: A. Williams, R. Duthie, J. Gray
County: Charleston	Project Manager:	General Weather Conditions: overcast	Ambient Air Temp (°F): 80s

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
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: 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	34.0 Screened Interval (ft.):		Total Well Depth (TWD) (ft.): 39.0
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 5.57		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 33.43	1 casing volume (CV = LWC x C) (gals.): 5.55		Total Gallons Purged:

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	5.50	2.00					
Time (military)	1324	1336	1343					1343
PH (s.u.)	6.40	7.75	7.78					7.78
Specific Conductivity (µS/cm)	209	439	444					444
Water Temperature (°C)	30.17	26.91	25.34					25.34
Turbidity (NTU)	0.0	61.8	1000+					1000+
Dissolved Oxygen (mg/L)	4.20	3.54	2.40					2.40

Sampling Data

Sampled By: AW	Sampling Time:	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Purged at 2nd vol

Signature: Avery Williams

Total Gallons: 7.75

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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ATLAS

01589

Site Information

9/12/24	Site ID # ~~2720486~~	Site Name: CK 886	Field Personnel: A.Williams, R.Duthie, J.Gray
County: Charleston	Project Manager: R.Dunn	General Weather Conditions: overcast	Ambient Air Temp (°F): 80s

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
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: DMW-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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 34.0 - 39.0		Total Well Depth (TWD) (ft.): 39.0
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 4.69		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 34.31	1 casing volume (CV = LWC x C) (gals.): 5.70		Total Gallons Purged:

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	5.50	1.50					
Time (military)	1026	1040	1047					1047
PH (s.u.)	~~7.84~~	7.75	7.69					7.69
Specific Conductivity (µS/cm)	521	490	479					479
Water Temperature (°C)	25.43	23.28	22.65					22.65
Turbidity (NTU)	5.0	90.9	474					474
Dissolved Oxygen (mg/L)	9.48	7.53	3.66					3.66

Sampling Data

Sampled By: A.W.	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Purged at 2nd volume

Signature: Avery Williams

Total Gallons: 7.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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ATLAS

Site Information

9/12/24	Site ID # 01589 ~~0780886~~	Site Name: CK 886	Field Personnel: Avery Williams, R. Duthie, J. Gray	
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: overcast	Ambient Air Temp (°F): 80s	

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
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: DMW-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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 35.0-40.0		Total Well Depth (TWD) (ft.): 40.0
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 8.87		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 31.13	1 casing volume (CV = LWC x C) (gals.): 5.17		Total Gallons Purged:

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	5.00	3.00					
Time (military)	1431	1441	1449					1449
PH (s.u.)	6.70	6.66	7.20					7.20
Specific Conductivity (µS/cm)	513	572	579					579
Water Temperature (°C)	~~2641~~	24.14	23.03					23.03
Turbidity (NTU)	0.0	21.5	543					543
Dissolved Oxygen (mg/L)	1.21	2.46	8.86					8.86

Sampling Data

Sampled By: A.W.	Sampling Time: 1449	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Purged at 2nd volume

Signature: Avery Williams

Total Gallons: 8.25

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: AW, RD, JG
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: overcast	Ambient Air Temp (°F): 75

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: DMW-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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 40.0 - 45.0		Total Well Depth (TWD) (ft.): 45.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 2.97		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.): 42.03	3 casing volume (CV = LWC x Cx3) (gals.): 6.98		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	7.00	1.00					~~0.~~
Time (military)	1019	1031	1034				1034	~~7.92~~
PH (s.u.)	7.40	7.72	7.92					7.92
Specific Conductivity (µS/cm)	0.323	.447	0.462					0.462
Water Temperature (°C)	23.74	21.77	21.15					21.15
Turbidity (NTU)	20.2	226	1000					1000
Dissolved Oxygen (mg/L)	3.87	3.03	3.53					3.53

Sampling Data

Sampled By: AW	Sampling Time: 1034	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Purged at 2nd volume

Signature: Array Williams

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: AW, RD, JG
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Overcast	Ambient Air Temp (°F): 70s

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: DMW-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: Bailer Pump
~~MW~~ ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 38.0-43.0		Total Well Depth (TWD) (ft.): 43.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 9.25		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.): 33.75	~~#~~ casing volume (CV = LWC x Cx3) (gals.): 5.60		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	5.50	5.50	5.50	5.50	5.50		
Time (military)	1128 ~~23.04~~	1137	1150	1201	1215	1230		1230
PH (s.u.)	6.39	6.83	6.98	7.30	6.74	~~6.92~~		6.92
Specific Conductivity (µS/cm)	~~404~~ 408	405	413	399	380	~~404~~		404
Water Temperature (°C)	~~22.84~~	21.65	21.49	22.56	22.54	21.91		21.91
Turbidity (NTU)	25.2	141	282	305	269	287		287
Dissolved Oxygen (mg/L)	9.19	3.32	4.34	3.43	3.80	3.89		3.89

Sampling Data

Sampled By: A.W.	Sampling Time: 1230	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: not fully purged

Signature: Avery Williams

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Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 04/13/2024	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: R. Duthie, J Gray, A Williams
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: cloudy	Ambient Air Temp (°F): 84

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: RW1	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 2.0 - 12.0		Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.89		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1349							1349
PH (s.u.)	5.41							5.41
Specific Conductivity (µS/cm)	3.02							3.02
Water Temperature (°C)	31.28							31.28
Turbidity (NTU)	149							149
Dissolved Oxygen (mg/L)	1.27							1.27

Sampling Data

Sampled By: Robert A. Duthie	Sampling Time: 1349	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Robert A. Duthie

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/13/2024	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: R. Duthe, J Gray, A Williams
County: **Charleston**	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 84

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: RW2	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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 20-12.0		Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.43		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1409							1409
PH (s.u.)	4.24							4.24
Specific Conductivity (µS/cm)	4.09							4.09
Water Temperature (°C)	28.47							28.47
Turbidity (NTU)	163							163
Dissolved Oxygen (mg/L)	~~4~~.93							.93

Sampling Data

Sampled By: Robert A Duthe	Sampling Time: 1409	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Robert A Duthe

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/12/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: J. Gray, A. Williams, R. Dunn
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 74°

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 2-12		Total Well Depth (TWD) (ft.):
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.74		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1229							1229
PH (s.u.)	5.32							5.32
Specific Conductivity (µS/cm)	1070							1070
Water Temperature (°C)	30.96							30.96
Turbidity (NTU)	135							135
Dissolved Oxygen (mg/L)	1.18							1.18

Sampling Data

Sampled By: J. Gray	Sampling Time: 1229	Duplicate: Y or N	If yes, Duplicate Time:

Notes:

Signature: J. Gray

GRAB

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/12/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: J. Gray / A. Williams / R. Dunn
County: Charleston	Project Manager: R. Dunn	General Weather Conditions:	Ambient Air Temp (°F): 7

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 2 - 12		Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.0		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1210							1210
PH (s.u.)	5.65							5.65
Specific Conductivity (µS/cm)	492							492
Water Temperature (°C)	29.91							29.91
Turbidity (NTU)	122							122
Dissolved Oxygen (mg/L)	1.98							1.98

Sampling Data

Sampled By: J. Gray	Sampling Time: 1210	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: J. Gray

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/12/2024	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: Robert A. Duthie, SG, AW
County: **Charleston**	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 81

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: RW 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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): ~~2.8~~ 2.0 - 12.0	Total Well Depth (TWD) (ft.): 12.0
Depth to Free Product (DFP) (ft.): n/a		Depth to Groundwater (DGW) (ft.): 2.82	Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):		3 casing volume (CV = LWC x Cx3) (gals.):	5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1351							1351
PH (s.u.)	5.95							5.95
Specific Conductivity (µS/cm)	0.620							0.620
Water Temperature (°C)	28.07							28.07
Turbidity (NTU)	135							135
Dissolved Oxygen (mg/L)	4.71							4.71

Sampling Data

Sampled By: Robert A. Duthie	Sampling Time: 1351	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: 

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 05/13/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: R. Duthie, J. Gray, A. Williams
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: cloudy	Ambient Air Temp (°F): 78

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: 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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 3.0 - 13.0		Total Well Depth (TWD) (ft.): 13.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 5.14		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1300							1300
PH (s.u.)	6.30							6.30
Specific Conductivity (µS/cm)	2.89							2.89
Water Temperature (°C)	28.39							28.39
Turbidity (NTU)	312							312
Dissolved Oxygen (mg/L)	6.24							6.24

Sampling Data

Sampled By: Robert A. Duthie	Sampling Time: 1300	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Robert A. Duthie

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 09/12/2024	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: Robert A. Duthe, JG, AW
County: **Charleston**	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 81

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: RW 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 3.0 - 13.0		Total Well Depth (TWD) (ft.): 13.0
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 3.08		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1407							1417
PH (s.u.)	6.12							6.12
Specific Conductivity (µS/cm)	0.440							0.440
Water Temperature (°C)	27.43							27.43
Turbidity (NTU)	31.7							31.7
Dissolved Oxygen (mg/L)	1.68							1.68

Sampling Data

Sampled By: Robert A. Duthe	Sampling Time: 1412	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Robert A. Duthe

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date:	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: RAD, JG, AW
County: **Charleston**	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 81

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: RW-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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 3.0 - 13.0	Total Well Depth (TWD) (ft.): 13.0
Depth to Free Product (DFP) (ft.): n/a		Depth to Groundwater (DGW) (ft.): 3.38	Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.):		3 casing volume (CV = LWC x Cx3) (gals.):	5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1405							1405
PH (s.u.)	4.35							4.35
Specific Conductivity (µS/cm)	1.78							1.78
Water Temperature (°C)	27.69							~~26.~~27.69
Turbidity (NTU)	58.3							58.3
Dissolved Oxygen (mg/L)	1.52							1.52

Sampling Data

Sampled By: Robert A. Duthie	Sampling Time: 1400	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Robert A. Duthie

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 9/12/24	Site ID #: 01589	Site Name: Circle K # 2720886	Field Personnel: J. Gray, A. Williams, R. Dunn	
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: Cloudy	Ambient Air Temp (°F): 70's	

Quality Assurance

Meter Name: Horiba multimeter	Serial #: 11E100177	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
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: 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: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.): 3-13		Total Well Depth (TWD) (ft.): 13
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 2.85		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD – DGW) (ft.): 10.15	3 casing volume (CV = LWC x Cx3) (gals.): 6.61		5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.5	6.5						
Time (military)	1351	1355						1355
PH (s.u.)	4.81	4.73						4.73
Specific Conductivity (µS/cm)	261	193						193
Water Temperature (°C)	28.63	28.18						28.18
Turbidity (NTU)	26.1	135						135
Dissolved Oxygen (mg/L)	1.36	2.93						2.93

Sampling Data

Sampled By: J. Gray	Sampling Time: 1355	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry Purged @ 1st Vol. 7 gallon purged

Signature: J. Gray

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATLAS

Site Information

01589			
9/12/24	Site ID #: [redacted]	Site Name: CK486	Field Personnel: A.Williams, R.Duthie, J.Gray
County: Charleston	Project Manager: R. Dunn	General Weather Conditions: overcast	Ambient Air Temp (°F): 80s

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
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: 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 ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	1.0-6.0 Screened Interval (ft.):		Total Well Depth (TWD) (ft.): 6.0
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 1.81		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 4.19	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)	0.25							
Time (military)	1405							1405
PH (s.u.)	6.53							6.53
Specific Conductivity (µS/cm)	576							576
Water Temperature (°C)	26.27							26.27
Turbidity (NTU)	114							114
Dissolved Oxygen (mg/L)	1.26							1.26

Sampling Data

Sampled By: A.W	Sampling Time: 1405	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: Avery Williams

Total Gallons: 0.25

APPENDIX B
LABORATORY ANALYTICAL REPORTS

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

September 26, 2024

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

RE: Project: Circle K 2720886
Pace Project No.: 92754266

Dear Brad Hubbard:

Enclosed are the analytical results for sample(s) received by the laboratory on September 18, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Charlotte

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

Sincerely,

Taylor M Cannon
taylor.cannon@pacelabs.com
704-977-0943
Project Manager

Enclosures

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

CERTIFICATIONS

Project: Circle K 2720886
Pace Project No.: 92754266

Pace Analytical Services Charlotte

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

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

SAMPLE SUMMARY

Project: Circle K 2720886
Pace Project No.: 92754266

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92754266001	**01589-MW-1**	Water	09/13/24 13:29	09/18/24 09:45
92754266002	**01589-MW-2**	Water	09/13/24 12:59	09/18/24 09:45
92754266003	**01589-MW-3**	Water	09/12/24 13:18	09/18/24 09:45
92754266004	**01589-MW-4**	Water	09/12/24 11:47	09/18/24 09:45
92754266005	**01589-MW-5**	Water	09/12/24 12:01	09/18/24 09:45
92754266006	**01589-MW-7**	Water	09/12/24 12:13	09/18/24 09:45
92754266007	**01589-MW-8**	Water	09/12/24 11:19	09/18/24 09:45
92754266008	**01589-MW-9**	Water	09/12/24 11:16	09/18/24 09:45
92754266009	**01589-MW-10**	Water	09/12/24 10:35	09/18/24 09:45
92754266010	**01589-MW-11**	Water	09/12/24 10:46	09/18/24 09:45
92754266011	**01589-MW-12**	Water	09/13/24 13:00	09/18/24 09:45
92754266012	**01589-MW-13**	Water	09/13/24 10:39	09/18/24 09:45
92754266013	**01589-MW-14**	Water	09/12/24 13:20	09/18/24 09:45
92754266014	**01589-MW-15**	Water	09/13/24 10:54	09/18/24 09:45
92754266015	**01589-MW-16**	Water	09/13/24 10:29	09/18/24 09:45
92754266016	**01589-MW-17**	Water	09/13/24 10:01	09/18/24 09:45
92754266017	**01589-MW-18**	Water	09/13/24 09:54	09/18/24 09:45
92754266018	**01589-MW-19**	Water	09/13/24 10:02	09/18/24 09:45
92754266019	**01589-MW-20**	Water	09/13/24 09:42	09/18/24 09:45
92754266020	**01589-MW-21**	Water	09/12/24 09:45	09/18/24 09:45
92754266021	**01589-MW-22**	Water	09/12/24 11:02	09/18/24 09:45
92754266022	**01589-MW-23**	Water	09/12/24 12:20	09/18/24 09:45
92754266023	**01589-MW-24**	Water	09/12/24 15:04	09/18/24 09:45
92754266024	**01589-MW-25**	Water	09/12/24 16:13	09/18/24 09:45
92754266025	**01589-MW-26R**	Water	09/12/24 12:01	09/18/24 09:45
92754266026	**01589-MW-27**	Water	09/12/24 15:28	09/18/24 09:45
92754266027	**01589-MW-28**	Water	09/12/24 14:58	09/18/24 09:45
92754266028	**01589-MW-29R**	Water	09/12/24 13:40	09/18/24 09:45
92754266029	**01589-MW-30**	Water	09/12/24 10:02	09/18/24 09:45
92754266030	**01589-MW-31**	Water	09/12/24 14:29	09/18/24 09:45
92754266031	**01589-MW-32**	Water	09/12/24 13:10	09/18/24 09:45
92754266032	**01589-MW-34**	Water	09/13/24 12:07	09/18/24 09:45
92754266033	**01589-MW-35**	Water	09/13/24 12:19	09/18/24 09:45
92754266034	**01589-MW-36**	Water	09/12/24 14:27	09/18/24 09:45
92754266035	**01589-MW-38R**	Water	09/12/24 13:53	09/18/24 09:45
92754266036	**01589-DMW-1**	Water	09/13/24 13:43	09/18/24 09:45
92754266037	**01589-DMW-2**	Water	09/12/24 10:47	09/18/24 09:45

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: Circle K 2720886
Pace Project No.: 92754266

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92754266038	**01589-DMW-3**	Water	09/12/24 14:49	09/18/24 09:45
92754266039	**01589-DMW-4**	Water	09/13/24 10:34	09/18/24 09:45
92754266040	**01589-DMW-5**	Water	09/13/24 12:30	09/18/24 09:45
92754266041	**01589-RW-1**	Water	09/13/24 13:49	09/18/24 09:45
92754266042	**01589-RW-2**	Water	09/13/24 14:09	09/18/24 09:45
92754266043	**01589-RW-3**	Water	09/12/24 12:29	09/18/24 09:45
92754266044	**01589-RW-4**	Water	09/12/24 12:10	09/18/24 09:45
92754266045	**01589-RW-6**	Water	09/12/24 13:51	09/18/24 09:45
92754266046	**01589-RW-7**	Water	09/13/24 13:00	09/18/24 09:45
92754266047	**01589-RW-8**	Water	09/12/24 14:12	09/18/24 09:45
92754266048	**01589-RW-9**	Water	09/12/24 14:00	09/18/24 09:45
92754266049	**01589-RW-10**	Water	09/12/24 13:55	09/18/24 09:45
92754266050	**01589-RW-12**	Water	09/12/24 14:05	09/18/24 09:45
92754266051	**01589-DUP-1**	Water	09/13/24 13:29	09/18/24 09:45
92754266052	**01589-DUP-2**	Water	09/13/24 10:54	09/18/24 09:45
92754266053	**01589-DUP-3**	Water	09/13/24 13:01	09/18/24 09:45
92754266054	**01589-FB-1**	Water	09/12/24 10:50	09/18/24 09:45
92754266055	**01589-FB-2**	Water	09/13/24 10:02	09/18/24 09:45
92754266056	**01589-SW-2**	Water	09/12/24 15:56	09/18/24 09:45
92754266057	**01589-SW-3**	Water	09/12/24 10:59	09/18/24 09:45
92754266058	**01589-SW-4**	Water	09/12/24 11:12	09/18/24 09:45
92754266059	**01589-SW-5**	Water	09/13/24 11:28	09/18/24 09:45
92754266060	**01589-SW-6**	Water	09/12/24 11:24	09/18/24 09:45
92754266061	**01589-SW-7**	Water	09/13/24 11:44	09/18/24 09:45
92754266062	**01589-SW-8**	Water	09/13/24 11:51	09/18/24 09:45
92754266063	**01589-SW-9**	Water	09/13/24 11:59	09/18/24 09:45
92754266064	**01589-TRIP BLANK-1**	Water	09/13/24 11:59	09/18/24 09:45
92754266065	**01589-TRIP BLANK-2**	Water	09/13/24 11:59	09/18/24 09:45

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Circle K 2720886
Pace Project No.: 92754266

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92754266001	**01589-MW-1**	EPA 8260D	GAW, LMB	18	PASI-C
92754266002	**01589-MW-2**	EPA 8260D	TMH	18	PASI-C
92754266003	**01589-MW-3**	EPA 8260D	TMH	18	PASI-C
92754266004	**01589-MW-4**	EPA 8260D	GAW	18	PASI-C
92754266005	**01589-MW-5**	EPA 8260D	TMK	18	PASI-C
92754266006	**01589-MW-7**	EPA 8260D	TMK	18	PASI-C
92754266007	**01589-MW-8**	EPA 8260D	GAW	18	PASI-C
92754266008	**01589-MW-9**	EPA 8260D	GAW	18	PASI-C
92754266009	**01589-MW-10**	EPA 8260D	GAW	18	PASI-C
92754266010	**01589-MW-11**	EPA 8260D	GAW	18	PASI-C
92754266011	**01589-MW-12**	EPA 8260D	GAW	18	PASI-C
92754266012	**01589-MW-13**	EPA 8260D	GAW	18	PASI-C
92754266013	**01589-MW-14**	EPA 8260D	GAW	18	PASI-C
92754266014	**01589-MW-15**	EPA 8260D	GAW	18	PASI-C
92754266015	**01589-MW-16**	EPA 8260D	GAW	18	PASI-C
92754266016	**01589-MW-17**	EPA 8260D	GAW	18	PASI-C
92754266017	**01589-MW-18**	EPA 8260D	GAW	18	PASI-C
92754266018	**01589-MW-19**	EPA 8260D	GAW	18	PASI-C
92754266019	**01589-MW-20**	EPA 8260D	GAW	18	PASI-C
92754266020	**01589-MW-21**	EPA 8260D	GAW	18	PASI-C
92754266021	**01589-MW-22**	EPA 8260D	GAW	18	PASI-C
92754266022	**01589-MW-23**	EPA 8260D	GAW	18	PASI-C
92754266023	**01589-MW-24**	EPA 8260D	GAW	18	PASI-C
92754266024	**01589-MW-25**	EPA 8260D	LMB	18	PASI-C
92754266025	**01589-MW-26R**	EPA 8260D	GAW	18	PASI-C
92754266026	**01589-MW-27**	EPA 8260D	GAW	18	PASI-C
92754266027	**01589-MW-28**	EPA 8260D	GAW	18	PASI-C
92754266028	**01589-MW-29R**	EPA 8260D	GAW	18	PASI-C
92754266029	**01589-MW-30**	EPA 8260D	GAW	18	PASI-C
92754266030	**01589-MW-31**	EPA 8260D	GAW	18	PASI-C
92754266031	**01589-MW-32**	EPA 8260D	LMB	18	PASI-C
92754266032	**01589-MW-34**	EPA 8260D	SAS	18	PASI-C
92754266033	**01589-MW-35**	EPA 8260D	GAW	18	PASI-C
92754266034	**01589-MW-36**	EPA 8260D	GAW	18	PASI-C
92754266035	**01589-MW-38R**	EPA 8260D	SAS	18	PASI-C
92754266036	**01589-DMW-1**	EPA 8260D	GAW	18	PASI-C
92754266037	**01589-DMW-2**	EPA 8260D	GAW	18	PASI-C

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Circle K 2720886
Pace Project No.: 92754266

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92754266038	**01589-DMW-3**	EPA 8260D	SAS	18	PASI-C
92754266039	**01589-DMW-4**	EPA 8260D	GAW	18	PASI-C
92754266040	**01589-DMW-5**	EPA 8260D	GAW	18	PASI-C
92754266041	**01589-RW-1**	EPA 8260D	GAW	18	PASI-C
92754266042	**01589-RW-2**	EPA 8260D	GAW	18	PASI-C
92754266043	**01589-RW-3**	EPA 8260D	LMB, SAS	18	PASI-C
92754266044	**01589-RW-4**	EPA 8260D	GAW	18	PASI-C
92754266045	**01589-RW-6**	EPA 8260D	LMB	18	PASI-C
92754266046	**01589-RW-7**	EPA 8260D	LMB	18	PASI-C
92754266047	**01589-RW-8**	EPA 8260D	SAS	18	PASI-C
92754266048	**01589-RW-9**	EPA 8260D	GAW	18	PASI-C
92754266049	**01589-RW-10**	EPA 8260D	LMB, SAS	18	PASI-C
92754266050	**01589-RW-12**	EPA 8260D	GAW	18	PASI-C
92754266051	**01589-DUP-1**	EPA 8260D	LMB	18	PASI-C
92754266052	**01589-DUP-2**	EPA 8260D	GAW	18	PASI-C
92754266053	**01589-DUP-3**	EPA 8260D	LMB, SAS	18	PASI-C
92754266054	**01589-FB-1**	EPA 8260D	GAW	18	PASI-C
92754266055	**01589-FB-2**	EPA 8260D	GAW	18	PASI-C
92754266056	**01589-SW-2**	EPA 8260D	GAW	18	PASI-C
92754266057	**01589-SW-3**	EPA 8260D	TMK	18	PASI-C
92754266058	**01589-SW-4**	EPA 8260D	TMK	18	PASI-C
92754266059	**01589-SW-5**	EPA 8260D	TMK	18	PASI-C
92754266060	**01589-SW-6**	EPA 8260D	TMK	18	PASI-C
92754266061	**01589-SW-7**	EPA 8260D	TMK	18	PASI-C
92754266062	**01589-SW-8**	EPA 8260D	TMK	18	PASI-C
92754266063	**01589-SW-9**	EPA 8260D	TMK	18	PASI-C
92754266064	**01589-TRIP BLANK-1**	EPA 8260D	TMK	18	PASI-C
92754266065	**01589-TRIP BLANK-2**	EPA 8260D	GAW	18	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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PROJECT NARRATIVE

Project: Circle K 2720886
Pace Project No.: 92754266

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: ATC Group Services, LLC - Columbia
Date: September 26, 2024

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

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

QC Batch: 883914

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

- MS (Lab ID: 4551926)
  - 3,3-Dimethyl-1-Butanol
  - tert-Butyl Alcohol
- MSD (Lab ID: 4551927)
  - 3,3-Dimethyl-1-Butanol
  - tert-Butyl Alcohol

QC Batch: 884211

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

- 01589-SW-3 (Lab ID: 92754266057)
  - Ethanol
  - tert-Butyl Alcohol
- 01589-SW-4 (Lab ID: 92754266058)
  - Ethanol
  - tert-Butyl Alcohol
- 01589-SW-5 (Lab ID: 92754266059)
  - Ethanol
  - tert-Butyl Alcohol
- 01589-SW-6 (Lab ID: 92754266060)
  - Ethanol
  - tert-Butyl Alcohol
- 01589-SW-7 (Lab ID: 92754266061)
  - Ethanol
  - tert-Butyl Alcohol
- 01589-SW-8 (Lab ID: 92754266062)
  - Ethanol
  - tert-Butyl Alcohol
- 01589-SW-9 (Lab ID: 92754266063)

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PROJECT NARRATIVE

Project: Circle K 2720886
Pace Project No.: 92754266

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: ATC Group Services, LLC - Columbia
Date: September 26, 2024

QC Batch: 884211

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

- Ethanol
- tert-Butyl Alcohol

- 01589-TRIP BLANK-1 (Lab ID: 92754266064)
  - Ethanol
  - tert-Butyl Alcohol
- BLANK (Lab ID: 4553243)
  - Ethanol
  - tert-Butyl Alcohol
- DUP (Lab ID: 4553283)
  - Naphthalene
  - tert-Amyl Alcohol
  - tert-Butyl Alcohol

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

- LCS (Lab ID: 4553244)
  - Ethanol
  - tert-Butyl Alcohol
- MS (Lab ID: 4553282)
  - Naphthalene
  - tert-Amyl Alcohol
  - tert-Butyl Alcohol

QC Batch: 884369

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

- 01589-MW-5 (Lab ID: 92754266005)
  - Naphthalene
  - tert-Amyl Alcohol
  - tert-Butyl Alcohol
- BLANK (Lab ID: 4554263)
  - Naphthalene
  - tert-Amyl Alcohol
  - tert-Butyl Alcohol

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

- LCS (Lab ID: 4554264)
  - Naphthalene
  - tert-Amyl Alcohol
  - tert-Butyl Alcohol
- MS (Lab ID: 4554265)
  - 3,3-Dimethyl-1-Butanol
  - tert-Butyl Alcohol
- MSD (Lab ID: 4554266)
  - 3,3-Dimethyl-1-Butanol

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PROJECT NARRATIVE

Project: Circle K 2720886
Pace Project No.: 92754266

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: ATC Group Services, LLC - Columbia
Date: September 26, 2024

QC Batch: 884369

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

- tert-Butyl Alcohol

QC Batch: 884974

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.

- 01589-DMW-1 (Lab ID: 92754266036)
  - Naphthalene
- BLANK (Lab ID: 4557135)
  - Naphthalene
- LCS (Lab ID: 4557136)
  - Naphthalene

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

- 01589-DMW-1 (Lab ID: 92754266036)
  - Diisopropyl ether
  - Toluene
- BLANK (Lab ID: 4557135)
  - Diisopropyl ether
  - Toluene

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

- LCS (Lab ID: 4557136)
  - Diisopropyl ether
  - Toluene

QC Batch: 885390

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

- 01589-DUP-1 (Lab ID: 92754266051)
  - tert-Butyl Formate
- 01589-DUP-3 (Lab ID: 92754266053)
  - tert-Butyl Formate
- 01589-MW-32 (Lab ID: 92754266031)
  - tert-Butyl Formate
- 01589-RW-10 (Lab ID: 92754266049)
  - tert-Butyl Formate
- 01589-RW-3 (Lab ID: 92754266043)
  - tert-Butyl Formate
- 01589-RW-6 (Lab ID: 92754266045)
  - tert-Butyl Formate
- 01589-RW-7 (Lab ID: 92754266046)
  - tert-Butyl Formate
- BLANK (Lab ID: 4559379)
  - tert-Butyl Formate

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PROJECT NARRATIVE

Project: Circle K 2720886
Pace Project No.: 92754266

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: ATC Group Services, LLC - Columbia
Date: September 26, 2024

QC Batch: 885390

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

- LCS (Lab ID: 4559380)
  - tert-Butyl Formate

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 884974

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 4557136)
  - Naphthalene

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

QC Batch: 883889

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92754266001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4551790)
  - 1,2-Dichloroethane
  - 3,3-Dimethyl-1-Butanol
  - Benzene
  - Ethanol
  - Ethylbenzene
  - Methyl-tert-butyl ether
  - Naphthalene
  - Toluene
  - tert-Amyl Alcohol
  - tert-Amylmethyl ether
  - tert-Butyl Alcohol
  - tert-Butyl Formate
- MSD (Lab ID: 4551791)
  - 1,2-Dichloroethane
  - 3,3-Dimethyl-1-Butanol

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PROJECT NARRATIVE

Project: Circle K 2720886
Pace Project No.: 92754266

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: ATC Group Services, LLC - Columbia
Date: September 26, 2024

QC Batch: 883889

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92754266001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Benzene
- Diisopropyl ether
- Ethanol
- Ethylbenzene
- Methyl-tert-butyl ether
- Naphthalene
- Toluene
- tert-Amyl Alcohol
- tert-Amylmethyl ether
- tert-Butyl Alcohol
- tert-Butyl Formate

QC Batch: 883890

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92753985002

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 4553799)
  - tert-Butyl Formate
- MSD (Lab ID: 4553800)
  - tert-Butyl Formate

QC Batch: 884211

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92754266057

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 4553282)
  - tert-Butyl Formate

QC Batch: 884369

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92754455002

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 4554265)
  - tert-Butyl Formate
- MSD (Lab ID: 4554266)
  - tert-Butyl Formate

QC Batch: 884699

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92754266003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4555881)
  - Benzene

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PROJECT NARRATIVE

Project: Circle K 2720886
Pace Project No.: 92754266

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: ATC Group Services, LLC - Columbia
Date: September 26, 2024

QC Batch: 884699

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92754266003

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 4555881)
  - tert-Butyl Formate

QC Batch: 884968

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92754266013

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 4557126)
  - tert-Butyl Formate

QC Batch: 885390

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92754675017

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4559381)
  - 1,2-Dichloroethane
  - 3,3-Dimethyl-1-Butanol
  - Benzene
  - Diisopropyl ether
  - Ethanol
  - Ethyl-tert-butyl ether
  - Ethylbenzene
  - Methyl-tert-butyl ether
  - Naphthalene
  - Toluene
  - tert-Amyl Alcohol
  - tert-Amylmethyl ether
  - tert-Butyl Alcohol
  - tert-Butyl Formate
- MSD (Lab ID: 4559382)
  - 1,2-Dichloroethane
  - 3,3-Dimethyl-1-Butanol
  - Benzene
  - Diisopropyl ether
  - Ethanol
  - Ethyl-tert-butyl ether
  - Ethylbenzene
  - Naphthalene
  - Toluene
  - tert-Amyl Alcohol
  - tert-Amylmethyl ether
  - tert-Butyl Alcohol
  - tert-Butyl Formate

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PROJECT NARRATIVE

Project: Circle K 2720886
Pace Project No.: 92754266

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: ATC Group Services, LLC - Columbia
Date: September 26, 2024

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

QC Batch: 884211

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.
- DUP (Lab ID: 4553283)
  - Toluene

Additional Comments:

Analyte Comments:

QC Batch: 883914

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- 01589-DUP-2 (Lab ID: 92754266052)
  - 4-Bromofluorobenzene (S)
- 01589-MW-12 (Lab ID: 92754266011)
  - 4-Bromofluorobenzene (S)

QC Batch: 884699

E: Analyte concentration exceeded the calibration range. The reported result is estimated.
- DUP (Lab ID: 4555882)
  - Benzene

QC Batch: 884968

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- 01589-MW-13 (Lab ID: 92754266012)
  - 4-Bromofluorobenzene (S)

QC Batch: 884980

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- 01589-MW-38R (Lab ID: 92754266035)
  - 4-Bromofluorobenzene (S)

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

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-1 **Lab ID: 92754266001** Collected: 09/13/24 13:29 Received: 09/18/24 09:45 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	**5030J**	ug/L	10000	3640	100		09/23/24 12:56	75-85-4	M1
tert-Amylmethyl ether	**17.1**	ug/L	10.0	2.7	1		09/19/24 15:09	994-05-8	M1
Benzene	**5660**	ug/L	100	34.5	100		09/23/24 12:56	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 15:09	624-95-3	M1
tert-Butyl Alcohol	**1050**	ug/L	100	26.8	1		09/19/24 15:09	75-65-0	M1
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 15:09	762-75-4	M1
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 15:09	107-06-2	M1
Diisopropyl ether	**3.5**	ug/L	1.0	0.31	1		09/19/24 15:09	108-20-3	M1
Ethanol	**2820**	ug/L	200	72.2	1		09/19/24 15:09	64-17-5	M1
Ethylbenzene	**646**	ug/L	100	30.4	100		09/23/24 12:56	100-41-4	M1
Ethyl-tert-butyl ether	**153**	ug/L	10.0	3.2	1		09/19/24 15:09	637-92-3	
Methyl-tert-butyl ether	**329**	ug/L	100	42.2	100		09/23/24 12:56	1634-04-4	M1
Naphthalene	**69.6**	ug/L	1.0	0.64	1		09/19/24 15:09	91-20-3	M1
Toluene	**11600**	ug/L	100	48.5	100		09/23/24 12:56	108-88-3	M1
Xylene (Total)	**1770**	ug/L	1.0	0.34	1		09/19/24 15:09	1330-20-7	MS
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/19/24 15:09	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		09/19/24 15:09	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/19/24 15:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-2 **Lab ID: 92754266002** Collected: 09/13/24 12:59 Received: 09/18/24 09:45 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	**13900**	ug/L	2500	910	25		09/24/24 02:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	66.5	25		09/24/24 02:38	994-05-8	
Benzene	**4850**	ug/L	25.0	8.6	25		09/24/24 02:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1300	25		09/24/24 02:38	624-95-3	
tert-Butyl Alcohol	**1150J**	ug/L	2500	670	25		09/24/24 02:38	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	735	25		09/24/24 02:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	8.0	25		09/24/24 02:38	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	7.7	25		09/24/24 02:38	108-20-3	
Ethanol	ND	ug/L	5000	1800	25		09/24/24 02:38	64-17-5	
Ethylbenzene	**608**	ug/L	25.0	7.6	25		09/24/24 02:38	100-41-4	
Ethyl-tert-butyl ether	**109J**	ug/L	250	81.0	25		09/24/24 02:38	637-92-3	
Methyl-tert-butyl ether	**217**	ug/L	25.0	10.6	25		09/24/24 02:38	1634-04-4	
Naphthalene	**78.9**	ug/L	25.0	16.1	25		09/24/24 02:38	91-20-3	
Toluene	**3130**	ug/L	25.0	12.1	25		09/24/24 02:38	108-88-3	
Xylene (Total)	**1890**	ug/L	25.0	8.4	25		09/24/24 02:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		25		09/24/24 02:38	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		25		09/24/24 02:38	17060-07-0	
Toluene-d8 (S)	100	%	70-130		25		09/24/24 02:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-3 **Lab ID: 92754266003** Collected: 09/12/24 13:18 Received: 09/18/24 09:45 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	**264**	ug/L	100	36.4	1		09/24/24 01:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/24/24 01:41	994-05-8	
Benzene	**110**	ug/L	1.0	0.34	1		09/24/24 01:41	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/24/24 01:41	624-95-3	
tert-Butyl Alcohol	**35.1J**	ug/L	100	26.8	1		09/24/24 01:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/24/24 01:41	762-75-4	P5
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/24/24 01:41	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/24/24 01:41	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/24/24 01:41	64-17-5	
Ethylbenzene	**3.4**	ug/L	1.0	0.30	1		09/24/24 01:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/24/24 01:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/24/24 01:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/24/24 01:41	91-20-3	
Toluene	**1.3**	ug/L	1.0	0.48	1		09/24/24 01:41	108-88-3	
Xylene (Total)	**8.9**	ug/L	1.0	0.34	1		09/24/24 01:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/24/24 01:41	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		09/24/24 01:41	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		09/24/24 01:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-4 **Lab ID: 92754266004** Collected: 09/12/24 11:47 Received: 09/18/24 09:45 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		09/19/24 16:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/19/24 16:03	994-05-8	
Benzene	**0.36J**	ug/L	1.0	0.34	1		09/19/24 16:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 16:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/19/24 16:03	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 16:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 16:03	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/19/24 16:03	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/19/24 16:03	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/19/24 16:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/19/24 16:03	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/19/24 16:03	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/19/24 16:03	91-20-3	
Toluene	**0.70J**	ug/L	1.0	0.48	1		09/19/24 16:03	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/19/24 16:03	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/19/24 16:03	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		09/19/24 16:03	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		09/19/24 16:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-5 **Lab ID: 92754266005** Collected: 09/12/24 12:01 Received: 09/18/24 09:45 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		09/21/24 16:51	75-85-4	v2
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/21/24 16:51	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/21/24 16:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/21/24 16:51	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/21/24 16:51	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/21/24 16:51	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/21/24 16:51	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/21/24 16:51	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/21/24 16:51	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/21/24 16:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/21/24 16:51	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/21/24 16:51	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/21/24 16:51	91-20-3	v2
Toluene	ND	ug/L	1.0	0.48	1		09/21/24 16:51	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/21/24 16:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/21/24 16:51	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		09/21/24 16:51	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/21/24 16:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-7 **Lab ID: 92754266006** Collected: 09/12/24 12:13 Received: 09/18/24 09:45 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	500	182	5		09/19/24 23:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	13.3	5		09/19/24 23:15	994-05-8	
Benzene	**486**	ug/L	5.0	1.7	5		09/19/24 23:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	260	5		09/19/24 23:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	134	5		09/19/24 23:15	75-65-0	
tert-Butyl Formate	ND	ug/L	250	147	5		09/19/24 23:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		09/19/24 23:15	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.5	5		09/19/24 23:15	108-20-3	
Ethanol	ND	ug/L	1000	361	5		09/19/24 23:15	64-17-5	
Ethylbenzene	**23.7**	ug/L	5.0	1.5	5		09/19/24 23:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	16.2	5		09/19/24 23:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.1	5		09/19/24 23:15	1634-04-4	
Naphthalene	**10.1**	ug/L	5.0	3.2	5		09/19/24 23:15	91-20-3	
Toluene	**88.8**	ug/L	5.0	2.4	5		09/19/24 23:15	108-88-3	
Xylene (Total)	**144**	ug/L	5.0	1.7	5		09/19/24 23:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		5		09/19/24 23:15	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		5		09/19/24 23:15	17060-07-0	
Toluene-d8 (S)	99	%	70-130		5		09/19/24 23:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-8 **Lab ID: 92754266007** Collected: 09/12/24 11:19 Received: 09/18/24 09:45 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		09/24/24 19:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/24/24 19:41	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/24/24 19:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/24/24 19:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/24/24 19:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/24/24 19:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/24/24 19:41	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/24/24 19:41	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/24/24 19:41	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/24/24 19:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/24/24 19:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/24/24 19:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/24/24 19:41	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/24/24 19:41	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/24/24 19:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		09/24/24 19:41	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		09/24/24 19:41	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		09/24/24 19:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-9 **Lab ID: 92754266008** Collected: 09/12/24 11:16 Received: 09/18/24 09:45 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		09/24/24 19:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/24/24 19:59	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/24/24 19:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/24/24 19:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/24/24 19:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/24/24 19:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/24/24 19:59	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/24/24 19:59	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/24/24 19:59	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/24/24 19:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/24/24 19:59	637-92-3	
Methyl-tert-butyl ether	**0.57J**	ug/L	1.0	0.42	1		09/24/24 19:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/24/24 19:59	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/24/24 19:59	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/24/24 19:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		09/24/24 19:59	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		09/24/24 19:59	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		09/24/24 19:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-10 **Lab ID: 92754266009** Collected: 09/12/24 10:35 Received: 09/18/24 09:45 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		09/20/24 01:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/20/24 01:08	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/20/24 01:08	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/20/24 01:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/20/24 01:08	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/20/24 01:08	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/20/24 01:08	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/20/24 01:08	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/20/24 01:08	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/20/24 01:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/20/24 01:08	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/20/24 01:08	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/20/24 01:08	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/20/24 01:08	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/20/24 01:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		09/20/24 01:08	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		09/20/24 01:08	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		09/20/24 01:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-11 **Lab ID: 92754266010** Collected: 09/12/24 10:46 Received: 09/18/24 09:45 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		09/20/24 01:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/20/24 01:26	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/20/24 01:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/20/24 01:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/20/24 01:26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/20/24 01:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/20/24 01:26	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/20/24 01:26	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/20/24 01:26	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/20/24 01:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/20/24 01:26	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/20/24 01:26	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/20/24 01:26	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/20/24 01:26	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/20/24 01:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		09/20/24 01:26	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		09/20/24 01:26	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/20/24 01:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-12 **Lab ID: 92754266011** Collected: 09/13/24 13:00 Received: 09/18/24 09:45 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	400	146	4		09/20/24 00:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	40.0	10.6	4		09/20/24 00:24	994-05-8	
Benzene	**15.1**	ug/L	4.0	1.4	4		09/20/24 00:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	400	208	4		09/20/24 00:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	400	107	4		09/20/24 00:24	75-65-0	
tert-Butyl Formate	ND	ug/L	200	118	4		09/20/24 00:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	4.0	1.3	4		09/20/24 00:24	107-06-2	
Diisopropyl ether	ND	ug/L	4.0	1.2	4		09/20/24 00:24	108-20-3	
Ethanol	ND	ug/L	800	289	4		09/20/24 00:24	64-17-5	
Ethylbenzene	ND	ug/L	4.0	1.2	4		09/20/24 00:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	40.0	13.0	4		09/20/24 00:24	637-92-3	
Methyl-tert-butyl ether	**1.9J**	ug/L	4.0	1.7	4		09/20/24 00:24	1634-04-4	
Naphthalene	ND	ug/L	4.0	2.6	4		09/20/24 00:24	91-20-3	
Toluene	ND	ug/L	4.0	1.9	4		09/20/24 00:24	108-88-3	
Xylene (Total)	ND	ug/L	4.0	1.4	4		09/20/24 00:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		4		09/20/24 00:24	460-00-4	D3
1,2-Dichloroethane-d4 (S)	102	%	70-130		4		09/20/24 00:24	17060-07-0	
Toluene-d8 (S)	101	%	70-130		4		09/20/24 00:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-13 **Lab ID: 92754266012** Collected: 09/13/24 10:39 Received: 09/18/24 09:45 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	200	72.8	2		09/24/24 21:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	5.3	2		09/24/24 21:29	994-05-8	
Benzene	**11.5**	ug/L	2.0	0.69	2		09/24/24 21:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	104	2		09/24/24 21:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	53.6	2		09/24/24 21:29	75-65-0	
tert-Butyl Formate	ND	ug/L	100	58.8	2		09/24/24 21:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		09/24/24 21:29	107-06-2	
Diisopropyl ether	ND	ug/L	2.0	0.62	2		09/24/24 21:29	108-20-3	
Ethanol	ND	ug/L	400	144	2		09/24/24 21:29	64-17-5	
Ethylbenzene	**100**	ug/L	2.0	0.61	2		09/24/24 21:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	6.5	2		09/24/24 21:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		09/24/24 21:29	1634-04-4	
Naphthalene	**91.2**	ug/L	2.0	1.3	2		09/24/24 21:29	91-20-3	
Toluene	ND	ug/L	2.0	0.97	2		09/24/24 21:29	108-88-3	
Xylene (Total)	**42.8**	ug/L	2.0	0.68	2		09/24/24 21:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		2		09/24/24 21:29	460-00-4	D3
1,2-Dichloroethane-d4 (S)	104	%	70-130		2		09/24/24 21:29	17060-07-0	
Toluene-d8 (S)	96	%	70-130		2		09/24/24 21:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-14 **Lab ID: 92754266013** Collected: 09/12/24 13:20 Received: 09/18/24 09:45 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		09/24/24 16:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/24/24 16:05	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/24/24 16:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/24/24 16:05	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/24/24 16:05	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/24/24 16:05	762-75-4	P5
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/24/24 16:05	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/24/24 16:05	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/24/24 16:05	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/24/24 16:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/24/24 16:05	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/24/24 16:05	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/24/24 16:05	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/24/24 16:05	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/24/24 16:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		09/24/24 16:05	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		09/24/24 16:05	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		09/24/24 16:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-15 **Lab ID: 92754266014** Collected: 09/13/24 10:54 Received: 09/18/24 09:45 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	**2060J**	ug/L	2500	910	25		09/20/24 01:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	66.5	25		09/20/24 01:37	994-05-8	
Benzene	**2050**	ug/L	25.0	8.6	25		09/20/24 01:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1300	25		09/20/24 01:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	670	25		09/20/24 01:37	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	735	25		09/20/24 01:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	8.0	25		09/20/24 01:37	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	7.7	25		09/20/24 01:37	108-20-3	
Ethanol	ND	ug/L	5000	1800	25		09/20/24 01:37	64-17-5	
Ethylbenzene	**677**	ug/L	25.0	7.6	25		09/20/24 01:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	81.0	25		09/20/24 01:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	25.0	10.6	25		09/20/24 01:37	1634-04-4	
Naphthalene	**75.6**	ug/L	25.0	16.1	25		09/20/24 01:37	91-20-3	
Toluene	**3400**	ug/L	25.0	12.1	25		09/20/24 01:37	108-88-3	
Xylene (Total)	**2890**	ug/L	25.0	8.4	25		09/20/24 01:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		25		09/20/24 01:37	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		25		09/20/24 01:37	17060-07-0	
Toluene-d8 (S)	100	%	70-130		25		09/20/24 01:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-16 **Lab ID: 92754266015** Collected: 09/13/24 10:29 Received: 09/18/24 09:45 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		09/20/24 02:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/20/24 02:20	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/20/24 02:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/20/24 02:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/20/24 02:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/20/24 02:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/20/24 02:20	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/20/24 02:20	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/20/24 02:20	64-17-5	
Ethylbenzene	**0.36J**	ug/L	1.0	0.30	1		09/20/24 02:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/20/24 02:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/20/24 02:20	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/20/24 02:20	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/20/24 02:20	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/20/24 02:20	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/20/24 02:20	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		09/20/24 02:20	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/20/24 02:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-17 **Lab ID: 92754266016** Collected: 09/13/24 10:01 Received: 09/18/24 09:45 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		09/24/24 16:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/24/24 16:23	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/24/24 16:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/24/24 16:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/24/24 16:23	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/24/24 16:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/24/24 16:23	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/24/24 16:23	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/24/24 16:23	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/24/24 16:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/24/24 16:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/24/24 16:23	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/24/24 16:23	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/24/24 16:23	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/24/24 16:23	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		09/24/24 16:23	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		09/24/24 16:23	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		09/24/24 16:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-18 **Lab ID: 92754266017** Collected: 09/13/24 09:54 Received: 09/18/24 09:45 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		09/20/24 01:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/20/24 01:44	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/20/24 01:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/20/24 01:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/20/24 01:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/20/24 01:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/20/24 01:44	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/20/24 01:44	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/20/24 01:44	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/20/24 01:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/20/24 01:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/20/24 01:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/20/24 01:44	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/20/24 01:44	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/20/24 01:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/20/24 01:44	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		09/20/24 01:44	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/20/24 01:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-19 **Lab ID: 92754266018** Collected: 09/13/24 10:02 Received: 09/18/24 09:45 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		09/20/24 02:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/20/24 02:02	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/20/24 02:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/20/24 02:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/20/24 02:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/20/24 02:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/20/24 02:02	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/20/24 02:02	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/20/24 02:02	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/20/24 02:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/20/24 02:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/20/24 02:02	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/20/24 02:02	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/20/24 02:02	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/20/24 02:02	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		09/20/24 02:02	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		09/20/24 02:02	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		09/20/24 02:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-20 **Lab ID: 92754266019** Collected: 09/13/24 09:42 Received: 09/18/24 09:45 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		09/20/24 02:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/20/24 02:57	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/20/24 02:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/20/24 02:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/20/24 02:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/20/24 02:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/20/24 02:57	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/20/24 02:57	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/20/24 02:57	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/20/24 02:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/20/24 02:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/20/24 02:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/20/24 02:57	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/20/24 02:57	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/20/24 02:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		09/20/24 02:57	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		09/20/24 02:57	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/20/24 02:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-21 **Lab ID: 92754266020** Collected: 09/12/24 09:45 Received: 09/18/24 09:45 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		09/20/24 03:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/20/24 03:15	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/20/24 03:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/20/24 03:15	624-95-3	
tert-Butyl Alcohol	**33.7J**	ug/L	100	26.8	1		09/20/24 03:15	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/20/24 03:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/20/24 03:15	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/20/24 03:15	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/20/24 03:15	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/20/24 03:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/20/24 03:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/20/24 03:15	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/20/24 03:15	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/20/24 03:15	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/20/24 03:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		09/20/24 03:15	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		09/20/24 03:15	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/20/24 03:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-22 **Lab ID: 92754266021** Collected: 09/12/24 11:02 Received: 09/18/24 09:45 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		09/24/24 16:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/24/24 16:41	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/24/24 16:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/24/24 16:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/24/24 16:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/24/24 16:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/24/24 16:41	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/24/24 16:41	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/24/24 16:41	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/24/24 16:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/24/24 16:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/24/24 16:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/24/24 16:41	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/24/24 16:41	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/24/24 16:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		09/24/24 16:41	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		09/24/24 16:41	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		09/24/24 16:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-23 **Lab ID: 92754266022** Collected: 09/12/24 12:20 Received: 09/18/24 09:45 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		09/24/24 16:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/24/24 16:59	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/24/24 16:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/24/24 16:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/24/24 16:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/24/24 16:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/24/24 16:59	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/24/24 16:59	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/24/24 16:59	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/24/24 16:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/24/24 16:59	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/24/24 16:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/24/24 16:59	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/24/24 16:59	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/24/24 16:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		09/24/24 16:59	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		09/24/24 16:59	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		09/24/24 16:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-24 **Lab ID: 92754266023** Collected: 09/12/24 15:04 Received: 09/18/24 09:45 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		09/20/24 04:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/20/24 04:28	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/20/24 04:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/20/24 04:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/20/24 04:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/20/24 04:28	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/20/24 04:28	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/20/24 04:28	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/20/24 04:28	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/20/24 04:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/20/24 04:28	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/20/24 04:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/20/24 04:28	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/20/24 04:28	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/20/24 04:28	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/20/24 04:28	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		09/20/24 04:28	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		09/20/24 04:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-25 **Lab ID: 92754266024** Collected: 09/12/24 16:13 Received: 09/18/24 09:45 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		09/25/24 18:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/25/24 18:16	994-05-8	
Benzene	**35.2**	ug/L	1.0	0.34	1		09/25/24 18:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/25/24 18:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/25/24 18:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/25/24 18:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/25/24 18:16	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/25/24 18:16	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/25/24 18:16	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/25/24 18:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/25/24 18:16	637-92-3	
Methyl-tert-butyl ether	**0.71J**	ug/L	1.0	0.42	1		09/25/24 18:16	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/25/24 18:16	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/25/24 18:16	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/25/24 18:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		09/25/24 18:16	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1		09/25/24 18:16	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		09/25/24 18:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-26R **Lab ID: 92754266025** Collected: 09/12/24 12:01 Received: 09/18/24 09:45 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	**276**	ug/L	100	36.4	1		09/24/24 21:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/24/24 21:11	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/24/24 21:11	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/24/24 21:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/24/24 21:11	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/24/24 21:11	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/24/24 21:11	107-06-2	
Diisopropyl ether	**0.66J**	ug/L	1.0	0.31	1		09/24/24 21:11	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/24/24 21:11	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/24/24 21:11	100-41-4	
Ethyl-tert-butyl ether	**8.7J**	ug/L	10.0	3.2	1		09/24/24 21:11	637-92-3	
Methyl-tert-butyl ether	**17.3**	ug/L	1.0	0.42	1		09/24/24 21:11	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/24/24 21:11	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/24/24 21:11	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/24/24 21:11	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/24/24 21:11	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		09/24/24 21:11	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		09/24/24 21:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-27 **Lab ID: 92754266026** Collected: 09/12/24 15:28 Received: 09/18/24 09:45 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		09/19/24 22:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/19/24 22:06	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/19/24 22:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 22:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/19/24 22:06	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 22:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 22:06	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/19/24 22:06	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/19/24 22:06	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/19/24 22:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/19/24 22:06	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/19/24 22:06	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/19/24 22:06	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/19/24 22:06	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/19/24 22:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/19/24 22:06	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		09/19/24 22:06	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/19/24 22:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-28 **Lab ID: 92754266027** Collected: 09/12/24 14:58 Received: 09/18/24 09:45 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		09/24/24 20:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/24/24 20:17	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/24/24 20:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/24/24 20:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/24/24 20:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/24/24 20:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/24/24 20:17	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/24/24 20:17	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/24/24 20:17	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/24/24 20:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/24/24 20:17	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/24/24 20:17	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/24/24 20:17	91-20-3	
Toluene	**8.1**	ug/L	1.0	0.48	1		09/24/24 20:17	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/24/24 20:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/24/24 20:17	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		09/24/24 20:17	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		09/24/24 20:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-29R **Lab ID: 92754266028** Collected: 09/12/24 13:40 Received: 09/18/24 09:45 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	**4970**	ug/L	500	182	5		09/24/24 22:05	75-85-4	
tert-Amylmethyl ether	**14.7J**	ug/L	50.0	13.3	5		09/24/24 22:05	994-05-8	
Benzene	ND	ug/L	5.0	1.7	5		09/24/24 22:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	260	5		09/24/24 22:05	624-95-3	
tert-Butyl Alcohol	**646**	ug/L	500	134	5		09/24/24 22:05	75-65-0	
tert-Butyl Formate	ND	ug/L	250	147	5		09/24/24 22:05	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		09/24/24 22:05	107-06-2	
Diisopropyl ether	**2.0J**	ug/L	5.0	1.5	5		09/24/24 22:05	108-20-3	
Ethanol	ND	ug/L	1000	361	5		09/24/24 22:05	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.5	5		09/24/24 22:05	100-41-4	
Ethyl-tert-butyl ether	**29.4J**	ug/L	50.0	16.2	5		09/24/24 22:05	637-92-3	
Methyl-tert-butyl ether	**118**	ug/L	5.0	2.1	5		09/24/24 22:05	1634-04-4	
Naphthalene	**4.8J**	ug/L	5.0	3.2	5		09/24/24 22:05	91-20-3	
Toluene	ND	ug/L	5.0	2.4	5		09/24/24 22:05	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1.7	5		09/24/24 22:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		5		09/24/24 22:05	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		5		09/24/24 22:05	17060-07-0	
Toluene-d8 (S)	96	%	70-130		5		09/24/24 22:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-30 **Lab ID: 92754266029** Collected: 09/12/24 10:02 Received: 09/18/24 09:45 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		09/19/24 21:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/19/24 21:48	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/19/24 21:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 21:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/19/24 21:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 21:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 21:48	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/19/24 21:48	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/19/24 21:48	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/19/24 21:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/19/24 21:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/19/24 21:48	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/19/24 21:48	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/19/24 21:48	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/19/24 21:48	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		09/19/24 21:48	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1		09/19/24 21:48	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		09/19/24 21:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-31 **Lab ID: 92754266030** Collected: 09/12/24 14:29 Received: 09/18/24 09:45 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		09/20/24 04:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/20/24 04:46	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/20/24 04:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/20/24 04:46	624-95-3	
tert-Butyl Alcohol	**35.7J**	ug/L	100	26.8	1		09/20/24 04:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/20/24 04:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/20/24 04:46	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/20/24 04:46	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/20/24 04:46	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/20/24 04:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/20/24 04:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/20/24 04:46	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/20/24 04:46	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/20/24 04:46	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/20/24 04:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/20/24 04:46	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		09/20/24 04:46	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/20/24 04:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-32 **Lab ID: 92754266031** Collected: 09/12/24 13:10 Received: 09/18/24 09:45 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	**1320**	ug/L	250	91.0	2.5		09/26/24 03:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	25.0	6.6	2.5		09/26/24 03:41	994-05-8	
Benzene	**319**	ug/L	2.5	0.86	2.5		09/26/24 03:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	250	130	2.5		09/26/24 03:41	624-95-3	
tert-Butyl Alcohol	**344**	ug/L	250	67.0	2.5		09/26/24 03:41	75-65-0	
tert-Butyl Formate	ND	ug/L	125	73.5	2.5		09/26/24 03:41	762-75-4	v2
1,2-Dichloroethane	ND	ug/L	2.5	0.80	2.5		09/26/24 03:41	107-06-2	
Diisopropyl ether	ND	ug/L	2.5	0.77	2.5		09/26/24 03:41	108-20-3	
Ethanol	ND	ug/L	500	180	2.5		09/26/24 03:41	64-17-5	
Ethylbenzene	**15.1**	ug/L	2.5	0.76	2.5		09/26/24 03:41	100-41-4	
Ethyl-tert-butyl ether	**22.7J**	ug/L	25.0	8.1	2.5		09/26/24 03:41	637-92-3	
Methyl-tert-butyl ether	**9.6**	ug/L	2.5	1.1	2.5		09/26/24 03:41	1634-04-4	
Naphthalene	**9.5**	ug/L	2.5	1.6	2.5		09/26/24 03:41	91-20-3	
Toluene	**6.7**	ug/L	2.5	1.2	2.5		09/26/24 03:41	108-88-3	
Xylene (Total)	**26.5**	ug/L	2.5	0.84	2.5		09/26/24 03:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		2.5		09/26/24 03:41	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		2.5		09/26/24 03:41	17060-07-0	
Toluene-d8 (S)	95	%	70-130		2.5		09/26/24 03:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-34 **Lab ID: 92754266032** Collected: 09/13/24 12:07 Received: 09/18/24 09:45 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		09/25/24 02:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/25/24 02:44	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/25/24 02:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/25/24 02:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/25/24 02:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/25/24 02:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/25/24 02:44	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/25/24 02:44	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/25/24 02:44	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/25/24 02:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/25/24 02:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/25/24 02:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/25/24 02:44	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/25/24 02:44	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/25/24 02:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		09/25/24 02:44	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		09/25/24 02:44	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/25/24 02:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-35 **Lab ID: 92754266033** Collected: 09/13/24 12:19 Received: 09/18/24 09:45 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		09/19/24 23:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/19/24 23:19	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/19/24 23:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 23:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/19/24 23:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 23:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 23:19	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/19/24 23:19	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/19/24 23:19	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/19/24 23:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/19/24 23:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/19/24 23:19	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/19/24 23:19	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/19/24 23:19	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/19/24 23:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		09/19/24 23:19	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		09/19/24 23:19	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		09/19/24 23:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-36 **Lab ID: 92754266034** Collected: 09/12/24 14:27 Received: 09/18/24 09:45 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	**1230**	ug/L	100	36.4	1		09/19/24 23:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/19/24 23:37	994-05-8	
Benzene	**3.4**	ug/L	1.0	0.34	1		09/19/24 23:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 23:37	624-95-3	
tert-Butyl Alcohol	**69.4J**	ug/L	100	26.8	1		09/19/24 23:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 23:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 23:37	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/19/24 23:37	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/19/24 23:37	64-17-5	
Ethylbenzene	**3.5**	ug/L	1.0	0.30	1		09/19/24 23:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/19/24 23:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/19/24 23:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/19/24 23:37	91-20-3	
Toluene	**0.79J**	ug/L	1.0	0.48	1		09/19/24 23:37	108-88-3	
Xylene (Total)	**0.96J**	ug/L	1.0	0.34	1		09/19/24 23:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/19/24 23:37	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		09/19/24 23:37	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		09/19/24 23:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-MW-38R **Lab ID: 92754266035** Collected: 09/12/24 13:53 Received: 09/18/24 09:45 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	**2770**	ug/L	250	91.0	2.5		09/25/24 04:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	25.0	6.6	2.5		09/25/24 04:31	994-05-8	
Benzene	**2.3J**	ug/L	2.5	0.86	2.5		09/25/24 04:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	250	130	2.5		09/25/24 04:31	624-95-3	
tert-Butyl Alcohol	**765**	ug/L	250	67.0	2.5		09/25/24 04:31	75-65-0	
tert-Butyl Formate	ND	ug/L	125	73.5	2.5		09/25/24 04:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	2.5	0.80	2.5		09/25/24 04:31	107-06-2	
Diisopropyl ether	**3.2**	ug/L	2.5	0.77	2.5		09/25/24 04:31	108-20-3	
Ethanol	ND	ug/L	500	180	2.5		09/25/24 04:31	64-17-5	
Ethylbenzene	ND	ug/L	2.5	0.76	2.5		09/25/24 04:31	100-41-4	
Ethyl-tert-butyl ether	**31.8**	ug/L	25.0	8.1	2.5		09/25/24 04:31	637-92-3	
Methyl-tert-butyl ether	**132**	ug/L	2.5	1.1	2.5		09/25/24 04:31	1634-04-4	
Naphthalene	**3.6**	ug/L	2.5	1.6	2.5		09/25/24 04:31	91-20-3	
Toluene	ND	ug/L	2.5	1.2	2.5		09/25/24 04:31	108-88-3	
Xylene (Total)	ND	ug/L	2.5	0.84	2.5		09/25/24 04:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		2.5		09/25/24 04:31	460-00-4	D3
1,2-Dichloroethane-d4 (S)	107	%	70-130		2.5		09/25/24 04:31	17060-07-0	
Toluene-d8 (S)	102	%	70-130		2.5		09/25/24 04:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-DMW-1 **Lab ID: 92754266036** Collected: 09/13/24 13:43 Received: 09/18/24 09:45 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		09/25/24 04:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/25/24 04:59	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/25/24 04:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/25/24 04:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/25/24 04:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/25/24 04:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/25/24 04:59	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/25/24 04:59	108-20-3	v2
Ethanol	ND	ug/L	200	72.2	1		09/25/24 04:59	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/25/24 04:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/25/24 04:59	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/25/24 04:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/25/24 04:59	91-20-3	L1,v1
Toluene	ND	ug/L	1.0	0.48	1		09/25/24 04:59	108-88-3	v2
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/25/24 04:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/25/24 04:59	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		09/25/24 04:59	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		09/25/24 04:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-DMW-2 **Lab ID: 92754266037** Collected: 09/12/24 10:47 Received: 09/18/24 09:45 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		09/19/24 22:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/19/24 22:24	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/19/24 22:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 22:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/19/24 22:24	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 22:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 22:24	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/19/24 22:24	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/19/24 22:24	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/19/24 22:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/19/24 22:24	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/19/24 22:24	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/19/24 22:24	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/19/24 22:24	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/19/24 22:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/19/24 22:24	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		09/19/24 22:24	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/19/24 22:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-DMW-3 **Lab ID: 92754266038** Collected: 09/12/24 14:49 Received: 09/18/24 09:45 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		09/25/24 03:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/25/24 03:19	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/25/24 03:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/25/24 03:19	624-95-3	
tert-Butyl Alcohol	**29.9J**	ug/L	100	26.8	1		09/25/24 03:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/25/24 03:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/25/24 03:19	107-06-2	
Diisopropyl ether	**0.72J**	ug/L	1.0	0.31	1		09/25/24 03:19	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/25/24 03:19	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/25/24 03:19	100-41-4	
Ethyl-tert-butyl ether	**5.7J**	ug/L	10.0	3.2	1		09/25/24 03:19	637-92-3	
Methyl-tert-butyl ether	**18.6**	ug/L	1.0	0.42	1		09/25/24 03:19	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/25/24 03:19	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/25/24 03:19	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/25/24 03:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		09/25/24 03:19	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		09/25/24 03:19	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		09/25/24 03:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-DMW-4 **Lab ID: 92754266039** Collected: 09/13/24 10:34 Received: 09/18/24 09:45 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		09/19/24 22:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/19/24 22:42	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/19/24 22:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 22:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/19/24 22:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 22:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 22:42	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/19/24 22:42	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/19/24 22:42	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/19/24 22:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/19/24 22:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/19/24 22:42	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/19/24 22:42	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/19/24 22:42	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/19/24 22:42	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/19/24 22:42	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		09/19/24 22:42	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/19/24 22:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-DMW-5 **Lab ID: 92754266040** Collected: 09/13/24 12:30 Received: 09/18/24 09:45 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		09/19/24 23:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/19/24 23:01	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/19/24 23:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 23:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/19/24 23:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 23:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 23:01	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/19/24 23:01	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/19/24 23:01	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/19/24 23:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/19/24 23:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/19/24 23:01	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/19/24 23:01	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/19/24 23:01	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/19/24 23:01	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		09/19/24 23:01	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		09/19/24 23:01	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/19/24 23:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-RW-1 **Lab ID: 92754266041** Collected: 09/13/24 13:49 Received: 09/18/24 09:45 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	**14200**	ug/L	12500	4550	125		09/20/24 03:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	332	125		09/20/24 03:07	994-05-8	
Benzene	**10400**	ug/L	125	43.1	125		09/20/24 03:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6490	125		09/20/24 03:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	3350	125		09/20/24 03:07	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3680	125		09/20/24 03:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	40.2	125		09/20/24 03:07	107-06-2	
Diisopropyl ether	ND	ug/L	125	38.5	125		09/20/24 03:07	108-20-3	
Ethanol	**45100**	ug/L	25000	9020	125		09/20/24 03:07	64-17-5	
Ethylbenzene	**1400**	ug/L	125	38.0	125		09/20/24 03:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	405	125		09/20/24 03:07	637-92-3	
Methyl-tert-butyl ether	**756**	ug/L	125	52.8	125		09/20/24 03:07	1634-04-4	
Naphthalene	**243**	ug/L	125	80.6	125		09/20/24 03:07	91-20-3	
Toluene	**23600**	ug/L	125	60.6	125		09/20/24 03:07	108-88-3	
Xylene (Total)	**10400**	ug/L	125	42.2	125		09/20/24 03:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		125		09/20/24 03:07	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		125		09/20/24 03:07	17060-07-0	
Toluene-d8 (S)	99	%	70-130		125		09/20/24 03:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-RW-2 **Lab ID: 92754266042** Collected: 09/13/24 14:09 Received: 09/18/24 09:45 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	500000	182000	5000		09/20/24 04:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50000	13300	5000		09/20/24 04:20	994-05-8	
Benzene	**1860J**	ug/L	5000	1720	5000		09/20/24 04:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500000	260000	5000		09/20/24 04:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500000	134000	5000		09/20/24 04:20	75-65-0	
tert-Butyl Formate	ND	ug/L	250000	147000	5000		09/20/24 04:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	5000	1610	5000		09/20/24 04:20	107-06-2	
Diisopropyl ether	ND	ug/L	5000	1540	5000		09/20/24 04:20	108-20-3	
Ethanol	**25800000**	ug/L	1000000	361000	5000		09/20/24 04:20	64-17-5	
Ethylbenzene	ND	ug/L	5000	1520	5000		09/20/24 04:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50000	16200	5000		09/20/24 04:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5000	2110	5000		09/20/24 04:20	1634-04-4	
Naphthalene	ND	ug/L	5000	3220	5000		09/20/24 04:20	91-20-3	
Toluene	**4160J**	ug/L	5000	2420	5000		09/20/24 04:20	108-88-3	
Xylene (Total)	ND	ug/L	5000	1690	5000		09/20/24 04:20	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		5000		09/20/24 04:20	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		5000		09/20/24 04:20	17060-07-0	
Toluene-d8 (S)	100	%	70-130		5000		09/20/24 04:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-RW-3 **Lab ID: 92754266043** Collected: 09/12/24 12:29 Received: 09/18/24 09:45 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	**10400J**	ug/L	20000	7280	200		09/26/24 10:31	75-85-4	
tert-Amylmethyl ether	**42.6**	ug/L	10.0	2.7	1		09/26/24 02:10	994-05-8	
Benzene	**2830**	ug/L	200	69.0	200		09/26/24 10:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/26/24 02:10	624-95-3	
tert-Butyl Alcohol	**663**	ug/L	100	26.8	1		09/26/24 02:10	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/26/24 02:10	762-75-4	v2
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/26/24 02:10	107-06-2	
Diisopropyl ether	**3.3**	ug/L	1.0	0.31	1		09/26/24 02:10	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/26/24 02:10	64-17-5	
Ethylbenzene	**526**	ug/L	200	60.8	200		09/26/24 10:31	100-41-4	
Ethyl-tert-butyl ether	**36.5**	ug/L	10.0	3.2	1		09/26/24 02:10	637-92-3	
Methyl-tert-butyl ether	**61.6**	ug/L	1.0	0.42	1		09/26/24 02:10	1634-04-4	
Naphthalene	**278**	ug/L	200	129	200		09/26/24 10:31	91-20-3	
Toluene	**5880**	ug/L	200	97.0	200		09/26/24 10:31	108-88-3	
Xylene (Total)	**2610**	ug/L	200	67.6	200		09/26/24 10:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/26/24 02:10	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		1		09/26/24 02:10	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		09/26/24 02:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-RW-4 **Lab ID: 92754266044** Collected: 09/12/24 12:10 Received: 09/18/24 09:45 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		09/19/24 23:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/19/24 23:11	994-05-8	
Benzene	**59.2**	ug/L	1.0	0.34	1		09/19/24 23:11	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 23:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/19/24 23:11	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 23:11	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 23:11	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/19/24 23:11	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/19/24 23:11	64-17-5	
Ethylbenzene	**0.81J**	ug/L	1.0	0.30	1		09/19/24 23:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/19/24 23:11	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/19/24 23:11	1634-04-4	
Naphthalene	**0.65J**	ug/L	1.0	0.64	1		09/19/24 23:11	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/19/24 23:11	108-88-3	
Xylene (Total)	**2.1**	ug/L	1.0	0.34	1		09/19/24 23:11	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/19/24 23:11	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		09/19/24 23:11	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/19/24 23:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-RW-6 **Lab ID: 92754266045** Collected: 09/12/24 13:51 Received: 09/18/24 09:45 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	**2530J**	ug/L	5000	1820	50		09/26/24 06:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		09/26/24 06:24	994-05-8	
Benzene	**2110**	ug/L	50.0	17.2	50		09/26/24 06:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		09/26/24 06:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		09/26/24 06:24	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		09/26/24 06:24	762-75-4	v2
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		09/26/24 06:24	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		09/26/24 06:24	108-20-3	
Ethanol	ND	ug/L	10000	3610	50		09/26/24 06:24	64-17-5	
Ethylbenzene	**454**	ug/L	50.0	15.2	50		09/26/24 06:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		09/26/24 06:24	637-92-3	
Methyl-tert-butyl ether	**41.5J**	ug/L	50.0	21.1	50		09/26/24 06:24	1634-04-4	
Naphthalene	**231**	ug/L	50.0	32.2	50		09/26/24 06:24	91-20-3	
Toluene	**6830**	ug/L	50.0	24.2	50		09/26/24 06:24	108-88-3	
Xylene (Total)	**9070**	ug/L	50.0	16.9	50		09/26/24 06:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		50		09/26/24 06:24	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		50		09/26/24 06:24	17060-07-0	
Toluene-d8 (S)	98	%	70-130		50		09/26/24 06:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-RW-7 **Lab ID: 92754266046** Collected: 09/13/24 13:00 Received: 09/18/24 09:45 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	**16100**	ug/L	10000	3640	100		09/26/24 07:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	266	100		09/26/24 07:19	994-05-8	
Benzene	**7710**	ug/L	100	34.5	100		09/26/24 07:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5190	100		09/26/24 07:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	2680	100		09/26/24 07:19	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2940	100		09/26/24 07:19	762-75-4	v2
1,2-Dichloroethane	ND	ug/L	100	32.2	100		09/26/24 07:19	107-06-2	
Diisopropyl ether	ND	ug/L	100	30.8	100		09/26/24 07:19	108-20-3	
Ethanol	ND	ug/L	20000	7220	100		09/26/24 07:19	64-17-5	
Ethylbenzene	**1170**	ug/L	100	30.4	100		09/26/24 07:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	324	100		09/26/24 07:19	637-92-3	
Methyl-tert-butyl ether	**249**	ug/L	100	42.2	100		09/26/24 07:19	1634-04-4	
Naphthalene	**106**	ug/L	100	64.5	100		09/26/24 07:19	91-20-3	
Toluene	**9900**	ug/L	100	48.5	100		09/26/24 07:19	108-88-3	
Xylene (Total)	**5360**	ug/L	100	33.8	100		09/26/24 07:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		100		09/26/24 07:19	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		100		09/26/24 07:19	17060-07-0	
Toluene-d8 (S)	100	%	70-130		100		09/26/24 07:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-RW-8 **Lab ID: 92754266047** Collected: 09/12/24 14:12 Received: 09/18/24 09:45 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	**3790**	ug/L	500	182	5		09/25/24 04:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	13.3	5		09/25/24 04:49	994-05-8	
Benzene	**374**	ug/L	5.0	1.7	5		09/25/24 04:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	260	5		09/25/24 04:49	624-95-3	
tert-Butyl Alcohol	**229J**	ug/L	500	134	5		09/25/24 04:49	75-65-0	
tert-Butyl Formate	ND	ug/L	250	147	5		09/25/24 04:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		09/25/24 04:49	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.5	5		09/25/24 04:49	108-20-3	
Ethanol	ND	ug/L	1000	361	5		09/25/24 04:49	64-17-5	
Ethylbenzene	**33.7**	ug/L	5.0	1.5	5		09/25/24 04:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	16.2	5		09/25/24 04:49	637-92-3	
Methyl-tert-butyl ether	**19.3**	ug/L	5.0	2.1	5		09/25/24 04:49	1634-04-4	
Naphthalene	**40.6**	ug/L	5.0	3.2	5		09/25/24 04:49	91-20-3	
Toluene	**641**	ug/L	5.0	2.4	5		09/25/24 04:49	108-88-3	
Xylene (Total)	**820**	ug/L	5.0	1.7	5		09/25/24 04:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		5		09/25/24 04:49	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		5		09/25/24 04:49	17060-07-0	
Toluene-d8 (S)	98	%	70-130		5		09/25/24 04:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-RW-9 **Lab ID: 92754266048** Collected: 09/12/24 14:00 Received: 09/18/24 09:45 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	**24500J**	ug/L	25000	9100	250		09/20/24 04:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	665	250		09/20/24 04:02	994-05-8	
Benzene	**1690**	ug/L	250	86.2	250		09/20/24 04:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13000	250		09/20/24 04:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	6700	250		09/20/24 04:02	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	7350	250		09/20/24 04:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	80.5	250		09/20/24 04:02	107-06-2	
Diisopropyl ether	ND	ug/L	250	77.0	250		09/20/24 04:02	108-20-3	
Ethanol	**1940000**	ug/L	50000	18000	250		09/20/24 04:02	64-17-5	
Ethylbenzene	**429**	ug/L	250	76.0	250		09/20/24 04:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	810	250		09/20/24 04:02	637-92-3	
Methyl-tert-butyl ether	**558**	ug/L	250	106	250		09/20/24 04:02	1634-04-4	
Naphthalene	**191J**	ug/L	250	161	250		09/20/24 04:02	91-20-3	
Toluene	**4120**	ug/L	250	121	250		09/20/24 04:02	108-88-3	
Xylene (Total)	**2480**	ug/L	250	84.5	250		09/20/24 04:02	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		250		09/20/24 04:02	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		250		09/20/24 04:02	17060-07-0	
Toluene-d8 (S)	101	%	70-130		250		09/20/24 04:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-RW-10 **Lab ID: 92754266049** Collected: 09/12/24 13:55 Received: 09/18/24 09:45 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	**10600J**	ug/L	20000	7280	200		09/26/24 10:49	75-85-4	
tert-Amylmethyl ether	**12.7**	ug/L	10.0	2.7	1		09/26/24 02:28	994-05-8	
Benzene	**1480**	ug/L	200	69.0	200		09/26/24 10:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/26/24 02:28	624-95-3	
tert-Butyl Alcohol	**372**	ug/L	100	26.8	1		09/26/24 02:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/26/24 02:28	762-75-4	v2
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/26/24 02:28	107-06-2	
Diisopropyl ether	**1.9**	ug/L	1.0	0.31	1		09/26/24 02:28	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/26/24 02:28	64-17-5	
Ethylbenzene	**440**	ug/L	200	60.8	200		09/26/24 10:49	100-41-4	
Ethyl-tert-butyl ether	**13.2**	ug/L	10.0	3.2	1		09/26/24 02:28	637-92-3	
Methyl-tert-butyl ether	**32.1**	ug/L	1.0	0.42	1		09/26/24 02:28	1634-04-4	
Naphthalene	ND	ug/L	200	129	200		09/26/24 10:49	91-20-3	
Toluene	**4720**	ug/L	200	97.0	200		09/26/24 10:49	108-88-3	
Xylene (Total)	**2460**	ug/L	200	67.6	200		09/26/24 10:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		09/26/24 02:28	460-00-4	
1,2-Dichloroethane-d4 (S)	83	%	70-130		1		09/26/24 02:28	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/26/24 02:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-RW-12 **Lab ID: 92754266050** Collected: 09/12/24 14:05 Received: 09/18/24 09:45 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	**492**	ug/L	400	146	4		09/24/24 21:47	75-85-4	
tert-Amylmethyl ether	ND	ug/L	40.0	10.6	4		09/24/24 21:47	994-05-8	
Benzene	**154**	ug/L	4.0	1.4	4		09/24/24 21:47	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	400	208	4		09/24/24 21:47	624-95-3	
tert-Butyl Alcohol	ND	ug/L	400	107	4		09/24/24 21:47	75-65-0	
tert-Butyl Formate	ND	ug/L	200	118	4		09/24/24 21:47	762-75-4	
1,2-Dichloroethane	ND	ug/L	4.0	1.3	4		09/24/24 21:47	107-06-2	
Diisopropyl ether	ND	ug/L	4.0	1.2	4		09/24/24 21:47	108-20-3	
Ethanol	ND	ug/L	800	289	4		09/24/24 21:47	64-17-5	
Ethylbenzene	**236**	ug/L	4.0	1.2	4		09/24/24 21:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	40.0	13.0	4		09/24/24 21:47	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	4.0	1.7	4		09/24/24 21:47	1634-04-4	
Naphthalene	**71.9**	ug/L	4.0	2.6	4		09/24/24 21:47	91-20-3	
Toluene	**120**	ug/L	4.0	1.9	4		09/24/24 21:47	108-88-3	
Xylene (Total)	**825**	ug/L	4.0	1.4	4		09/24/24 21:47	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		4		09/24/24 21:47	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		4		09/24/24 21:47	17060-07-0	
Toluene-d8 (S)	97	%	70-130		4		09/24/24 21:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-DUP-1 **Lab ID: 92754266051** Collected: 09/13/24 13:29 Received: 09/18/24 09:45 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	10000	3640	100		09/26/24 07:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	266	100		09/26/24 07:55	994-05-8	
Benzene	**5500**	ug/L	100	34.5	100		09/26/24 07:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5190	100		09/26/24 07:55	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	2680	100		09/26/24 07:55	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2940	100		09/26/24 07:55	762-75-4	v2
1,2-Dichloroethane	ND	ug/L	100	32.2	100		09/26/24 07:55	107-06-2	
Diisopropyl ether	ND	ug/L	100	30.8	100		09/26/24 07:55	108-20-3	
Ethanol	ND	ug/L	20000	7220	100		09/26/24 07:55	64-17-5	
Ethylbenzene	**690**	ug/L	100	30.4	100		09/26/24 07:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	324	100		09/26/24 07:55	637-92-3	
Methyl-tert-butyl ether	**333**	ug/L	100	42.2	100		09/26/24 07:55	1634-04-4	
Naphthalene	**85.2J**	ug/L	100	64.5	100		09/26/24 07:55	91-20-3	
Toluene	**11800**	ug/L	100	48.5	100		09/26/24 07:55	108-88-3	
Xylene (Total)	**3370**	ug/L	100	33.8	100		09/26/24 07:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		100		09/26/24 07:55	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		100		09/26/24 07:55	17060-07-0	
Toluene-d8 (S)	96	%	70-130		100		09/26/24 07:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-DUP-2 **Lab ID: 92754266052** Collected: 09/13/24 10:54 Received: 09/18/24 09:45 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	**1890J**	ug/L	5000	1820	50		09/20/24 02:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		09/20/24 02:49	994-05-8	
Benzene	**2100**	ug/L	50.0	17.2	50		09/20/24 02:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		09/20/24 02:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		09/20/24 02:49	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		09/20/24 02:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		09/20/24 02:49	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		09/20/24 02:49	108-20-3	
Ethanol	ND	ug/L	10000	3610	50		09/20/24 02:49	64-17-5	
Ethylbenzene	**697**	ug/L	50.0	15.2	50		09/20/24 02:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		09/20/24 02:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	21.1	50		09/20/24 02:49	1634-04-4	
Naphthalene	**74.3**	ug/L	50.0	32.2	50		09/20/24 02:49	91-20-3	
Toluene	**3570**	ug/L	50.0	24.2	50		09/20/24 02:49	108-88-3	
Xylene (Total)	**2990**	ug/L	50.0	16.9	50		09/20/24 02:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		50		09/20/24 02:49	460-00-4	D3
1,2-Dichloroethane-d4 (S)	106	%	70-130		50		09/20/24 02:49	17060-07-0	
Toluene-d8 (S)	101	%	70-130		50		09/20/24 02:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-DUP-3 **Lab ID: 92754266053** Collected: 09/13/24 13:01 Received: 09/18/24 09:45 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	**11300J**	ug/L	20000	7280	200		09/26/24 11:08	75-85-4	
tert-Amylmethyl ether	**21.8**	ug/L	10.0	2.7	1		09/26/24 02:47	994-05-8	
Benzene	**3640**	ug/L	200	69.0	200		09/26/24 11:08	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/26/24 02:47	624-95-3	
tert-Butyl Alcohol	**1380**	ug/L	100	26.8	1		09/26/24 02:47	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/26/24 02:47	762-75-4	v2
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/26/24 02:47	107-06-2	
Diisopropyl ether	**2.4**	ug/L	1.0	0.31	1		09/26/24 02:47	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/26/24 02:47	64-17-5	
Ethylbenzene	**399**	ug/L	200	60.8	200		09/26/24 11:08	100-41-4	
Ethyl-tert-butyl ether	**108**	ug/L	10.0	3.2	1		09/26/24 02:47	637-92-3	
Methyl-tert-butyl ether	**212**	ug/L	200	84.4	200		09/26/24 11:08	1634-04-4	
Naphthalene	**99.6**	ug/L	1.0	0.64	1		09/26/24 02:47	91-20-3	
Toluene	**2300**	ug/L	200	97.0	200		09/26/24 11:08	108-88-3	
Xylene (Total)	**1250**	ug/L	200	67.6	200		09/26/24 11:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		09/26/24 02:47	460-00-4	
1,2-Dichloroethane-d4 (S)	82	%	70-130		1		09/26/24 02:47	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		09/26/24 02:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-FB-1 **Lab ID: 92754266054** Collected: 09/12/24 10:50 Received: 09/18/24 09:45 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		09/19/24 22:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/19/24 22:35	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/19/24 22:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 22:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/19/24 22:35	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 22:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 22:35	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/19/24 22:35	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/19/24 22:35	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/19/24 22:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/19/24 22:35	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/19/24 22:35	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/19/24 22:35	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/19/24 22:35	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/19/24 22:35	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		09/19/24 22:35	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		09/19/24 22:35	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		09/19/24 22:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-FB-2 **Lab ID: 92754266055** Collected: 09/13/24 10:02 Received: 09/18/24 09:45 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		09/19/24 22:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/19/24 22:17	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/19/24 22:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 22:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/19/24 22:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 22:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 22:17	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/19/24 22:17	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/19/24 22:17	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/19/24 22:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/19/24 22:17	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/19/24 22:17	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/19/24 22:17	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/19/24 22:17	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/19/24 22:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/19/24 22:17	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		09/19/24 22:17	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/19/24 22:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-SW-2 **Lab ID: 92754266056** Collected: 09/12/24 15:56 Received: 09/18/24 09:45 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		09/19/24 22:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/19/24 22:53	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/19/24 22:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/19/24 22:53	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/19/24 22:53	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/19/24 22:53	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/19/24 22:53	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/19/24 22:53	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/19/24 22:53	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/19/24 22:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/19/24 22:53	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/19/24 22:53	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/19/24 22:53	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/19/24 22:53	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/19/24 22:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/19/24 22:53	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		09/19/24 22:53	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		09/19/24 22:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-SW-3 **Lab ID: 92754266057** Collected: 09/12/24 10:59 Received: 09/18/24 09:45 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		09/21/24 04:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/21/24 04:54	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/21/24 04:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/21/24 04:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/21/24 04:54	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/21/24 04:54	762-75-4	P5
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/21/24 04:54	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/21/24 04:54	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/21/24 04:54	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/21/24 04:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/21/24 04:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/21/24 04:54	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/21/24 04:54	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/21/24 04:54	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/21/24 04:54	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		09/21/24 04:54	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		09/21/24 04:54	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/21/24 04:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-SW-4 **Lab ID: 92754266058** Collected: 09/12/24 11:12 Received: 09/18/24 09:45 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		09/21/24 05:13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/21/24 05:13	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/21/24 05:13	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/21/24 05:13	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/21/24 05:13	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/21/24 05:13	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/21/24 05:13	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/21/24 05:13	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/21/24 05:13	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/21/24 05:13	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/21/24 05:13	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/21/24 05:13	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/21/24 05:13	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/21/24 05:13	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/21/24 05:13	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/21/24 05:13	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		09/21/24 05:13	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		09/21/24 05:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-SW-5 **Lab ID: 92754266059** Collected: 09/13/24 11:28 Received: 09/18/24 09:45 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		09/21/24 05:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/21/24 05:31	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/21/24 05:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/21/24 05:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/21/24 05:31	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/21/24 05:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/21/24 05:31	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/21/24 05:31	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/21/24 05:31	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/21/24 05:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/21/24 05:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/21/24 05:31	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/21/24 05:31	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/21/24 05:31	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/21/24 05:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/21/24 05:31	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		09/21/24 05:31	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		09/21/24 05:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-SW-6 **Lab ID: 92754266060** Collected: 09/12/24 11:24 Received: 09/18/24 09:45 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		09/21/24 05:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/21/24 05:49	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/21/24 05:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/21/24 05:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/21/24 05:49	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/21/24 05:49	762-75-4	P5
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/21/24 05:49	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/21/24 05:49	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/21/24 05:49	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/21/24 05:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/21/24 05:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/21/24 05:49	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/21/24 05:49	91-20-3	
Toluene	**9.4**	ug/L	1.0	0.48	1		09/21/24 05:49	108-88-3	D6
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/21/24 05:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/21/24 05:49	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		09/21/24 05:49	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/21/24 05:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-SW-7 **Lab ID: 92754266061** Collected: 09/13/24 11:44 Received: 09/18/24 09:45 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		09/21/24 06:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/21/24 06:08	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/21/24 06:08	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/21/24 06:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/21/24 06:08	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/21/24 06:08	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/21/24 06:08	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/21/24 06:08	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/21/24 06:08	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/21/24 06:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/21/24 06:08	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/21/24 06:08	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/21/24 06:08	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/21/24 06:08	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/21/24 06:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/21/24 06:08	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		09/21/24 06:08	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		09/21/24 06:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-SW-8 **Lab ID: 92754266062** Collected: 09/13/24 11:51 Received: 09/18/24 09:45 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		09/21/24 06:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/21/24 06:26	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/21/24 06:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/21/24 06:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/21/24 06:26	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/21/24 06:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/21/24 06:26	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/21/24 06:26	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/21/24 06:26	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/21/24 06:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/21/24 06:26	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/21/24 06:26	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/21/24 06:26	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/21/24 06:26	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/21/24 06:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		09/21/24 06:26	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		09/21/24 06:26	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		09/21/24 06:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-SW-9 **Lab ID: 92754266063** Collected: 09/13/24 11:59 Received: 09/18/24 09:45 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		09/21/24 06:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/21/24 06:44	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/21/24 06:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/21/24 06:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/21/24 06:44	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/21/24 06:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/21/24 06:44	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/21/24 06:44	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/21/24 06:44	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/21/24 06:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/21/24 06:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/21/24 06:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/21/24 06:44	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/21/24 06:44	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/21/24 06:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/21/24 06:44	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		09/21/24 06:44	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		09/21/24 06:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-TRIP BLANK-1 **Lab ID: 92754266064** Collected: 09/13/24 11:59 Received: 09/18/24 09:45 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		09/21/24 04:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/21/24 04:36	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/21/24 04:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/21/24 04:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/21/24 04:36	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/21/24 04:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/21/24 04:36	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/21/24 04:36	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/21/24 04:36	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/21/24 04:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/21/24 04:36	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/21/24 04:36	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/21/24 04:36	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/21/24 04:36	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/21/24 04:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/21/24 04:36	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		09/21/24 04:36	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		09/21/24 04:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92754266

Sample: 01589-TRIP BLANK-2 **Lab ID: 92754266065** Collected: 09/13/24 11:59 Received: 09/18/24 09:45 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		09/21/24 02:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/21/24 02:41	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		09/21/24 02:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/21/24 02:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/21/24 02:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/21/24 02:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		09/21/24 02:41	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/21/24 02:41	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/21/24 02:41	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/21/24 02:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/21/24 02:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		09/21/24 02:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		09/21/24 02:41	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		09/21/24 02:41	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		09/21/24 02:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		09/21/24 02:41	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		09/21/24 02:41	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		09/21/24 02:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 883889
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92754266001, 92754266004

METHOD BLANK: 4551788 Matrix: Water
Associated Lab Samples: 92754266001, 92754266004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/19/24 08:48	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/19/24 08:48	
Benzene	ug/L	ND	1.0	0.34	09/19/24 08:48	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/19/24 08:48	
Ethanol	ug/L	ND	200	72.2	09/19/24 08:48	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/19/24 08:48	
Ethylbenzene	ug/L	ND	1.0	0.30	09/19/24 08:48	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/19/24 08:48	
Naphthalene	ug/L	ND	1.0	0.64	09/19/24 08:48	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/19/24 08:48	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/19/24 08:48	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/19/24 08:48	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/19/24 08:48	
Toluene	ug/L	ND	1.0	0.48	09/19/24 08:48	
Xylene (Total)	ug/L	ND	1.0	0.34	09/19/24 08:48	
1,2-Dichloroethane-d4 (S)	%	98	70-130		09/19/24 08:48	
4-Bromofluorobenzene (S)	%	101	70-130		09/19/24 08:48	
Toluene-d8 (S)	%	101	70-130		09/19/24 08:48	

LABORATORY CONTROL SAMPLE: 4551789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	21.0	105	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	405	101	70-130	
Benzene	ug/L	20	22.3	111	70-130	
Diisopropyl ether	ug/L	20	21.4	107	70-130	
Ethanol	ug/L	800	855	107	70-130	
Ethyl-tert-butyl ether	ug/L	40	40.9	102	70-130	
Ethylbenzene	ug/L	20	20.5	102	70-130	
Methyl-tert-butyl ether	ug/L	20	20.7	103	70-130	
Naphthalene	ug/L	20	21.5	107	70-130	
tert-Amyl Alcohol	ug/L	400	407	102	70-130	
tert-Amylmethyl ether	ug/L	40	40.8	102	70-130	
tert-Butyl Alcohol	ug/L	200	187	93	70-130	
tert-Butyl Formate	ug/L	160	171	107	70-130	
Toluene	ug/L	20	20.9	104	70-130	
Xylene (Total)	ug/L	60	63.8	106	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4551789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4551790 4551791

Parameter	Units	92754266001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	ND	ND	0	0	70-137		30	M1
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	ND	ND	0	0	39-157		30	M1
Benzene	ug/L	5660	20	20	8510	8230	14300	12900	70-151	3	30	M1
Diisopropyl ether	ug/L	3.5	20	20	ND	ND	123	-18	63-144		30	M1
Ethanol	ug/L	2820	800	800	ND	ND	-352	-352	39-176		30	M1
Ethyl-tert-butyl ether	ug/L	153	40	40	ND	ND	127	134	66-137		30	
Ethylbenzene	ug/L	646	20	20	1280	1290	3190	3240	66-153	1	30	M1
Methyl-tert-butyl ether	ug/L	329	20	20	462	471	665	707	54-156	2	30	M1
Naphthalene	ug/L	69.6	20	20	186	191	583	606	61-148	2	30	M1
tert-Amyl Alcohol	ug/L	5030J	400	400	7370J	7440J	587	604	54-153		30	M1
tert-Amylmethyl ether	ug/L	17.1	40	40	ND	ND	-43	-43	69-139		30	M1
tert-Butyl Alcohol	ug/L	1050	200	200	ND	ND	217	209	43-188		30	M1
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	0	0	10-170		30	M1
Toluene	ug/L	11600	20	20	19400	18700	39100	35500	59-148	4	30	M1
Xylene (Total)	ug/L	1770	60	60	6850	6900	8470	8550	63-158	1	30	MS
1,2-Dichloroethane-d4 (S)	%						99	99	70-130			
4-Bromofluorobenzene (S)	%						97	99	70-130			
Toluene-d8 (S)	%						99	98	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 883890
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92754266006

METHOD BLANK: 4551797 Matrix: Water
Associated Lab Samples: 92754266006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/19/24 21:25	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/19/24 21:25	
Benzene	ug/L	ND	1.0	0.34	09/19/24 21:25	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/19/24 21:25	
Ethanol	ug/L	ND	200	72.2	09/19/24 21:25	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/19/24 21:25	
Ethylbenzene	ug/L	ND	1.0	0.30	09/19/24 21:25	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/19/24 21:25	
Naphthalene	ug/L	ND	1.0	0.64	09/19/24 21:25	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/19/24 21:25	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/19/24 21:25	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/19/24 21:25	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/19/24 21:25	
Toluene	ug/L	ND	1.0	0.48	09/19/24 21:25	
Xylene (Total)	ug/L	ND	1.0	0.34	09/19/24 21:25	
1,2-Dichloroethane-d4 (S)	%	96	70-130		09/19/24 21:25	
4-Bromofluorobenzene (S)	%	98	70-130		09/19/24 21:25	
Toluene-d8 (S)	%	102	70-130		09/19/24 21:25	

LABORATORY CONTROL SAMPLE: 4551798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	18.4	92	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	370	93	70-130	
Benzene	ug/L	20	20.3	102	70-130	
Diisopropyl ether	ug/L	20	18.4	92	70-130	
Ethanol	ug/L	800	647	81	70-130	
Ethyl-tert-butyl ether	ug/L	40	38.2	96	70-130	
Ethylbenzene	ug/L	20	17.3	87	70-130	
Methyl-tert-butyl ether	ug/L	20	17.9	89	70-130	
Naphthalene	ug/L	20	17.9	89	70-130	
tert-Amyl Alcohol	ug/L	400	367	92	70-130	
tert-Amylmethyl ether	ug/L	40	37.9	95	70-130	
tert-Butyl Alcohol	ug/L	200	155	78	70-130	
tert-Butyl Formate	ug/L	160	163	102	70-130	
Toluene	ug/L	20	19.1	96	70-130	
Xylene (Total)	ug/L	60	56.0	93	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4551798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4553799 4553800

Parameter	Units	92753985002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	20.0	21.4	100	107	70-137	7	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	417	421	104	105	39-157	1	30	
Benzene	ug/L	ND	20	20	22.0	23.4	110	117	70-151	6	30	
Diisopropyl ether	ug/L	14.5	20	20	35.9	36.7	107	111	63-144	2	30	
Ethanol	ug/L	ND	800	800	668	823	84	103	39-176	21	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	40.0	43.5	100	109	66-137	9	30	
Ethylbenzene	ug/L	ND	20	20	19.8	20.4	99	102	66-153	3	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	20.2	21.7	101	109	54-156	8	30	
Naphthalene	ug/L	ND	20	20	18.7	20.2	92	100	61-148	8	30	
tert-Amyl Alcohol	ug/L	ND	400	400	383	406	96	102	54-153	6	30	
tert-Amylmethyl ether	ug/L	ND	40	40	40.7	44.4	102	111	69-139	9	30	
tert-Butyl Alcohol	ug/L	ND	200	200	252	262	126	131	43-188	4	30	
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	1	1	10-170		30	P5
Toluene	ug/L	ND	20	20	21.5	22.1	108	111	59-148	3	30	
Xylene (Total)	ug/L	ND	60	60	62.9	64.1	105	107	63-158	2	30	
1,2-Dichloroethane-d4 (S)	%						91	96	70-130			
4-Bromofluorobenzene (S)	%						99	99	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 883906
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92754266009, 92754266010, 92754266015, 92754266017, 92754266018, 92754266019, 92754266020, 92754266023, 92754266030

METHOD BLANK: 4551881 Matrix: Water
Associated Lab Samples: 92754266009, 92754266010, 92754266015, 92754266017, 92754266018, 92754266019, 92754266020, 92754266023, 92754266030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/19/24 21:30	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/19/24 21:30	
Benzene	ug/L	ND	1.0	0.34	09/19/24 21:30	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/19/24 21:30	
Ethanol	ug/L	ND	200	72.2	09/19/24 21:30	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/19/24 21:30	
Ethylbenzene	ug/L	ND	1.0	0.30	09/19/24 21:30	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/19/24 21:30	
Naphthalene	ug/L	ND	1.0	0.64	09/19/24 21:30	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/19/24 21:30	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/19/24 21:30	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/19/24 21:30	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/19/24 21:30	
Toluene	ug/L	ND	1.0	0.48	09/19/24 21:30	
Xylene (Total)	ug/L	ND	1.0	0.34	09/19/24 21:30	
1,2-Dichloroethane-d4 (S)	%	93	70-130		09/19/24 21:30	
4-Bromofluorobenzene (S)	%	101	70-130		09/19/24 21:30	
Toluene-d8 (S)	%	99	70-130		09/19/24 21:30	

LABORATORY CONTROL SAMPLE: 4551882

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	17.8	89	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	429	107	70-130	
Benzene	ug/L	20	19.4	97	70-130	
Diisopropyl ether	ug/L	20	18.5	93	70-130	
Ethanol	ug/L	800	835	104	70-130	
Ethyl-tert-butyl ether	ug/L	40	35.8	90	70-130	
Ethylbenzene	ug/L	20	17.5	87	70-130	
Methyl-tert-butyl ether	ug/L	20	18.6	93	70-130	
Naphthalene	ug/L	20	22.3	112	70-130	
tert-Amyl Alcohol	ug/L	400	431	108	70-130	
tert-Amylmethyl ether	ug/L	40	36.9	92	70-130	
tert-Butyl Alcohol	ug/L	200	184	92	70-130	
tert-Butyl Formate	ug/L	160	154	97	70-130	
Toluene	ug/L	20	17.9	90	70-130	
Xylene (Total)	ug/L	60	54.5	91	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4551882

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4551883 4551884

Parameter	Units	92754266009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	18.0	17.9	90	89	70-137	1	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	323	384	81	96	39-157	17	30	
Benzene	ug/L	ND	20	20	19.8	19.6	99	98	70-151	1	30	
Diisopropyl ether	ug/L	ND	20	20	18.9	18.4	94	92	63-144	3	30	
Ethanol	ug/L	ND	800	800	652	702	82	88	39-176	7	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	35.5	34.5	89	86	66-137	3	30	
Ethylbenzene	ug/L	ND	20	20	18.5	18.7	92	94	66-153	1	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.7	17.8	89	89	54-156	0	30	
Naphthalene	ug/L	ND	20	20	18.6	20.1	93	100	61-148	8	30	
tert-Amyl Alcohol	ug/L	ND	400	400	338	352	85	88	54-153	4	30	
tert-Amylmethyl ether	ug/L	ND	40	40	35.6	35.4	89	89	69-139	1	30	
tert-Butyl Alcohol	ug/L	ND	200	200	206	229	103	114	43-188	10	30	
tert-Butyl Formate	ug/L	ND	160	160	118	93.7	74	59	10-170	23	30	
Toluene	ug/L	ND	20	20	18.2	19.2	91	96	59-148	5	30	
Xylene (Total)	ug/L	ND	60	60	56.2	57.9	94	97	63-158	3	30	
1,2-Dichloroethane-d4 (S)	%						93	92	70-130			
4-Bromofluorobenzene (S)	%						96	99	70-130			
Toluene-d8 (S)	%						96	98	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 883909
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92754266026, 92754266029, 92754266033, 92754266034, 92754266037, 92754266039, 92754266040

METHOD BLANK: 4551894 Matrix: Water
Associated Lab Samples: 92754266026, 92754266029, 92754266033, 92754266034, 92754266037, 92754266039, 92754266040

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/19/24 21:12	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/19/24 21:12	
Benzene	ug/L	ND	1.0	0.34	09/19/24 21:12	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/19/24 21:12	
Ethanol	ug/L	ND	200	72.2	09/19/24 21:12	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/19/24 21:12	
Ethylbenzene	ug/L	ND	1.0	0.30	09/19/24 21:12	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/19/24 21:12	
Naphthalene	ug/L	ND	1.0	0.64	09/19/24 21:12	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/19/24 21:12	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/19/24 21:12	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/19/24 21:12	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/19/24 21:12	
Toluene	ug/L	ND	1.0	0.48	09/19/24 21:12	
Xylene (Total)	ug/L	ND	1.0	0.34	09/19/24 21:12	
1,2-Dichloroethane-d4 (S)	%	93	70-130		09/19/24 21:12	
4-Bromofluorobenzene (S)	%	100	70-130		09/19/24 21:12	
Toluene-d8 (S)	%	99	70-130		09/19/24 21:12	

LABORATORY CONTROL SAMPLE: 4551895

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	17.1	86	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	389	97	70-130	
Benzene	ug/L	20	19.0	95	70-130	
Diisopropyl ether	ug/L	20	17.9	90	70-130	
Ethanol	ug/L	800	737	92	70-130	
Ethyl-tert-butyl ether	ug/L	40	34.7	87	70-130	
Ethylbenzene	ug/L	20	17.0	85	70-130	
Methyl-tert-butyl ether	ug/L	20	18.0	90	70-130	
Naphthalene	ug/L	20	20.8	104	70-130	
tert-Amyl Alcohol	ug/L	400	399	100	70-130	
tert-Amylmethyl ether	ug/L	40	35.8	90	70-130	
tert-Butyl Alcohol	ug/L	200	169	85	70-130	
tert-Butyl Formate	ug/L	160	148	93	70-130	
Toluene	ug/L	20	17.6	88	70-130	
Xylene (Total)	ug/L	60	52.8	88	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4551895

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4551896 4551897

Parameter	Units	92754266029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	20.9	22.4	104	112	70-137	7	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	444	495	111	124	39-157	11	30	
Benzene	ug/L	ND	20	20	22.7	24.6	113	123	70-151	8	30	
Diisopropyl ether	ug/L	ND	20	20	21.8	23.5	109	117	63-144	7	30	
Ethanol	ug/L	ND	800	800	748	696	93	87	39-176	7	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	39.7	43.3	99	108	66-137	8	30	
Ethylbenzene	ug/L	ND	20	20	22.0	23.2	110	116	66-153	5	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	20.1	22.3	100	112	54-156	11	30	
Naphthalene	ug/L	ND	20	20	22.3	23.2	112	116	61-148	4	30	
tert-Amyl Alcohol	ug/L	ND	400	400	396	440	99	110	54-153	11	30	
tert-Amylmethyl ether	ug/L	ND	40	40	41.3	44.2	103	110	69-139	7	30	
tert-Butyl Alcohol	ug/L	ND	200	200	278	330	139	165	43-188	17	30	
tert-Butyl Formate	ug/L	ND	160	160	85.4	68.9	53	43	10-170	21	30	
Toluene	ug/L	ND	20	20	22.2	23.0	111	115	59-148	3	30	
Xylene (Total)	ug/L	ND	60	60	67.1	70.6	112	118	63-158	5	30	
1,2-Dichloroethane-d4 (S)	%						89	96	70-130			
4-Bromofluorobenzene (S)	%						99	98	70-130			
Toluene-d8 (S)	%						98	96	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 883914
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92754266011, 92754266014, 92754266041, 92754266042, 92754266044, 92754266048, 92754266052, 92754266054, 92754266055, 92754266056

METHOD BLANK: 4551924 Matrix: Water
Associated Lab Samples: 92754266011, 92754266014, 92754266041, 92754266042, 92754266044, 92754266048, 92754266052, 92754266054, 92754266055, 92754266056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/19/24 21:59	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/19/24 21:59	
Benzene	ug/L	ND	1.0	0.34	09/19/24 21:59	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/19/24 21:59	
Ethanol	ug/L	ND	200	72.2	09/19/24 21:59	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/19/24 21:59	
Ethylbenzene	ug/L	ND	1.0	0.30	09/19/24 21:59	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/19/24 21:59	
Naphthalene	ug/L	ND	1.0	0.64	09/19/24 21:59	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/19/24 21:59	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/19/24 21:59	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/19/24 21:59	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/19/24 21:59	
Toluene	ug/L	ND	1.0	0.48	09/19/24 21:59	
Xylene (Total)	ug/L	ND	1.0	0.34	09/19/24 21:59	
1,2-Dichloroethane-d4 (S)	%	106	70-130		09/19/24 21:59	
4-Bromofluorobenzene (S)	%	97	70-130		09/19/24 21:59	
Toluene-d8 (S)	%	100	70-130		09/19/24 21:59	

LABORATORY CONTROL SAMPLE: 4551925

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	23.1	116	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	422	106	70-130	
Benzene	ug/L	20	23.5	117	70-130	
Diisopropyl ether	ug/L	20	22.6	113	70-130	
Ethanol	ug/L	800	898	112	70-130	
Ethyl-tert-butyl ether	ug/L	40	44.7	112	70-130	
Ethylbenzene	ug/L	20	22.5	112	70-130	
Methyl-tert-butyl ether	ug/L	20	22.3	111	70-130	
Naphthalene	ug/L	20	22.4	112	70-130	
tert-Amyl Alcohol	ug/L	400	424	106	70-130	
tert-Amylmethyl ether	ug/L	40	44.1	110	70-130	
tert-Butyl Alcohol	ug/L	200	200	100	70-130	
tert-Butyl Formate	ug/L	160	182	114	70-130	
Toluene	ug/L	20	22.6	113	70-130	
Xylene (Total)	ug/L	60	68.5	114	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4551925

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4551926 4551927

Parameter	Units	92754266055 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	24.5	24.6	123	123	70-137	0	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	413	440	103	110	39-157	6	30	v3
Benzene	ug/L	ND	20	20	24.9	26.0	124	130	70-151	5	30	
Diisopropyl ether	ug/L	ND	20	20	26.3	26.8	131	134	63-144	2	30	
Ethanol	ug/L	ND	800	800	1010	1010	127	126	39-176	1	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	49.7	50.6	124	126	66-137	2	30	
Ethylbenzene	ug/L	ND	20	20	22.6	23.9	113	120	66-153	6	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	24.1	25.4	120	127	54-156	5	30	
Naphthalene	ug/L	ND	20	20	20.7	22.6	103	113	61-148	9	30	
tert-Amyl Alcohol	ug/L	ND	400	400	423	438	106	109	54-153	3	30	
tert-Amylmethyl ether	ug/L	ND	40	40	44.0	45.7	110	114	69-139	4	30	
tert-Butyl Alcohol	ug/L	ND	200	200	179	183	89	92	43-188	2	30	v3
tert-Butyl Formate	ug/L	ND	160	160	85.5	73.5	53	46	10-170	15	30	
Toluene	ug/L	ND	20	20	23.7	24.4	119	122	59-148	3	30	
Xylene (Total)	ug/L	ND	60	60	67.2	71.7	112	120	63-158	6	30	
1,2-Dichloroethane-d4 (S)	%						111	104	70-130			
4-Bromofluorobenzene (S)	%						100	102	70-130			
Toluene-d8 (S)	%						100	101	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 884211
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92754266057, 92754266058, 92754266059, 92754266060, 92754266061, 92754266062, 92754266063, 92754266064

METHOD BLANK: 4553243 Matrix: Water
Associated Lab Samples: 92754266057, 92754266058, 92754266059, 92754266060, 92754266061, 92754266062, 92754266063, 92754266064

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/20/24 23:06	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/20/24 23:06	
Benzene	ug/L	ND	1.0	0.34	09/20/24 23:06	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/20/24 23:06	
Ethanol	ug/L	ND	200	72.2	09/20/24 23:06	v2
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/20/24 23:06	
Ethylbenzene	ug/L	ND	1.0	0.30	09/20/24 23:06	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/20/24 23:06	
Naphthalene	ug/L	ND	1.0	0.64	09/20/24 23:06	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/20/24 23:06	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/20/24 23:06	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/20/24 23:06	v2
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/20/24 23:06	
Toluene	ug/L	ND	1.0	0.48	09/20/24 23:06	
Xylene (Total)	ug/L	ND	1.0	0.34	09/20/24 23:06	
1,2-Dichloroethane-d4 (S)	%	96	70-130		09/20/24 23:06	
4-Bromofluorobenzene (S)	%	97	70-130		09/20/24 23:06	
Toluene-d8 (S)	%	101	70-130		09/20/24 23:06	

LABORATORY CONTROL SAMPLE: 4553244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	18.4	92	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	371	93	70-130	
Benzene	ug/L	20	19.7	99	70-130	
Diisopropyl ether	ug/L	20	18.1	91	70-130	
Ethanol	ug/L	800	593	74	70-130	v3
Ethyl-tert-butyl ether	ug/L	40	36.2	91	70-130	
Ethylbenzene	ug/L	20	17.7	88	70-130	
Methyl-tert-butyl ether	ug/L	20	17.5	88	70-130	
Naphthalene	ug/L	20	17.9	90	70-130	
tert-Amyl Alcohol	ug/L	400	344	86	70-130	
tert-Amylmethyl ether	ug/L	40	38.0	95	70-130	
tert-Butyl Alcohol	ug/L	200	157	78	70-130	v3
tert-Butyl Formate	ug/L	160	154	96	70-130	
Toluene	ug/L	20	19.5	97	70-130	
Xylene (Total)	ug/L	60	55.6	93	70-130	

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4553244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 4553282

Parameter	Units	92754266057 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	24.4	122	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	456	114	39-157	
Benzene	ug/L	ND	20	25.5	128	70-151	
Diisopropyl ether	ug/L	ND	20	24.1	120	63-144	
Ethanol	ug/L	ND	800	899	112	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	48.2	121	66-137	
Ethylbenzene	ug/L	ND	20	22.9	115	66-153	
Methyl-tert-butyl ether	ug/L	ND	20	24.5	120	54-156	
Naphthalene	ug/L	ND	20	20.9	104	61-148	v3
tert-Amyl Alcohol	ug/L	ND	400	432	108	54-153	v3
tert-Amylmethyl ether	ug/L	ND	40	48.1	120	69-139	
tert-Butyl Alcohol	ug/L	ND	200	253	126	43-188	v3
tert-Butyl Formate	ug/L	ND	160	ND	0	10-170	P5
Toluene	ug/L	ND	20	24.5	122	59-148	
Xylene (Total)	ug/L	ND	60	71.1	119	63-158	
1,2-Dichloroethane-d4 (S)	%				94	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4553283

Parameter	Units	92754266060 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	v2
tert-Amyl Alcohol	ug/L	ND	ND		30	v2
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	v2
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	9.4	5.8	48	30	D6
Xylene (Total)	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

SAMPLE DUPLICATE: 4553283

Parameter	Units	92754266060 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	94	95			
4-Bromofluorobenzene (S)	%	97	102			
Toluene-d8 (S)	%	100	101			

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 884228
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92754266065

METHOD BLANK: 4553342 Matrix: Water
Associated Lab Samples: 92754266065

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	2.0	1.0	0.32	09/21/24 02:23	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/21/24 02:23	
Benzene	ug/L	ND	1.0	0.34	09/21/24 02:23	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/21/24 02:23	
Ethanol	ug/L	ND	200	72.2	09/21/24 02:23	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/21/24 02:23	
Ethylbenzene	ug/L	ND	1.0	0.30	09/21/24 02:23	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/21/24 02:23	
Naphthalene	ug/L	ND	1.0	0.64	09/21/24 02:23	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/21/24 02:23	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/21/24 02:23	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/21/24 02:23	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/21/24 02:23	
Toluene	ug/L	ND	1.0	0.48	09/21/24 02:23	
Xylene (Total)	ug/L	ND	1.0	0.34	09/21/24 02:23	
1,2-Dichloroethane-d4 (S)	%	104	70-130		09/21/24 02:23	
4-Bromofluorobenzene (S)	%	95	70-130		09/21/24 02:23	
Toluene-d8 (S)	%	97	70-130		09/21/24 02:23	

LABORATORY CONTROL SAMPLE: 4553343

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	18.7	93	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	366	91	70-130	
Benzene	ug/L	20	17.5	87	70-130	
Diisopropyl ether	ug/L	20	17.6	88	70-130	
Ethanol	ug/L	800	707	88	70-130	
Ethyl-tert-butyl ether	ug/L	40	34.6	87	70-130	
Ethylbenzene	ug/L	20	18.0	90	70-130	
Methyl-tert-butyl ether	ug/L	20	17.4	87	70-130	
Naphthalene	ug/L	20	21.3	106	70-130	
tert-Amyl Alcohol	ug/L	400	357	89	70-130	
tert-Amylmethyl ether	ug/L	40	34.8	87	70-130	
tert-Butyl Alcohol	ug/L	200	181	90	70-130	
tert-Butyl Formate	ug/L	160	145	91	70-130	
Toluene	ug/L	20	17.0	85	70-130	
Xylene (Total)	ug/L	60	53.9	90	70-130	
1,2-Dichloroethane-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4553343

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 4556656

Parameter	Units	92754430006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	20.4	102	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	479	120	39-157	
Benzene	ug/L	ND	20	19.9	99	70-151	
Diisopropyl ether	ug/L	ND	20	19.8	99	63-144	
Ethanol	ug/L	ND	800	901	113	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	41.1	103	66-137	
Ethylbenzene	ug/L	ND	20	20.5	102	66-153	
Methyl-tert-butyl ether	ug/L	ND	20	20.6	103	54-156	
Naphthalene	ug/L	ND	20	28.3	142	61-148	
tert-Amyl Alcohol	ug/L	ND	400	462	115	54-153	
tert-Amylmethyl ether	ug/L	ND	40	40.2	100	69-139	
tert-Butyl Alcohol	ug/L	ND	200	265	133	43-188	
tert-Butyl Formate	ug/L	ND	160	86.8	54	10-170	
Toluene	ug/L	ND	20	19.6	98	59-148	
Xylene (Total)	ug/L	ND	60	62.2	104	63-158	
1,2-Dichloroethane-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 4556657

Parameter	Units	92754430007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	108	101			
4-Bromofluorobenzene (S)	%	93	96			

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

SAMPLE DUPLICATE: 4556657

Parameter	Units	92754430007 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene-d8 (S)	%	99	100			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 884369
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92754266005

METHOD BLANK: 4554263 Matrix: Water
Associated Lab Samples: 92754266005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/21/24 10:26	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/21/24 10:26	
Benzene	ug/L	ND	1.0	0.34	09/21/24 10:26	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/21/24 10:26	
Ethanol	ug/L	ND	200	72.2	09/21/24 10:26	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/21/24 10:26	
Ethylbenzene	ug/L	ND	1.0	0.30	09/21/24 10:26	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/21/24 10:26	
Naphthalene	ug/L	ND	1.0	0.64	09/21/24 10:26	v2
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/21/24 10:26	v2
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/21/24 10:26	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/21/24 10:26	v2
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/21/24 10:26	
Toluene	ug/L	ND	1.0	0.48	09/21/24 10:26	
Xylene (Total)	ug/L	ND	1.0	0.34	09/21/24 10:26	
1,2-Dichloroethane-d4 (S)	%	96	70-130		09/21/24 10:26	
4-Bromofluorobenzene (S)	%	100	70-130		09/21/24 10:26	
Toluene-d8 (S)	%	101	70-130		09/21/24 10:26	

LABORATORY CONTROL SAMPLE: 4554264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	18.3	92	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	362	91	70-130	
Benzene	ug/L	20	20.5	103	70-130	
Diisopropyl ether	ug/L	20	19.1	95	70-130	
Ethanol	ug/L	800	759	95	70-130	
Ethyl-tert-butyl ether	ug/L	40	37.4	93	70-130	
Ethylbenzene	ug/L	20	18.2	91	70-130	
Methyl-tert-butyl ether	ug/L	20	17.8	89	70-130	
Naphthalene	ug/L	20	15.0	75	70-130	v3
tert-Amyl Alcohol	ug/L	400	322	80	70-130	v3
tert-Amylmethyl ether	ug/L	40	38.2	95	70-130	
tert-Butyl Alcohol	ug/L	200	144	72	70-130	v3
tert-Butyl Formate	ug/L	160	159	99	70-130	
Toluene	ug/L	20	19.9	100	70-130	
Xylene (Total)	ug/L	60	58.3	97	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4554264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4554265 4554266

Parameter	Units	92754455002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	24.5	24.8	122	124	70-137	2	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	400	419	100	105	39-157	5	30	v3
Benzene	ug/L	ND	20	20	26.8	26.4	134	132	70-151	2	30	
Diisopropyl ether	ug/L	ND	20	20	27.0	27.6	135	138	63-144	2	30	
Ethanol	ug/L	ND	800	800	959	971	120	121	39-176	1	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	50.6	51.6	127	129	66-137	2	30	
Ethylbenzene	ug/L	ND	20	20	23.7	24.3	119	121	66-153	2	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	24.2	25.1	121	125	54-156	4	30	
Naphthalene	ug/L	ND	20	20	21.9	23.1	110	116	61-148	5	30	
tert-Amyl Alcohol	ug/L	ND	400	400	415	423	104	106	54-153	2	30	
tert-Amylmethyl ether	ug/L	ND	40	40	45.3	45.7	113	114	69-139	1	30	
tert-Butyl Alcohol	ug/L	ND	200	200	175	178	87	89	43-188	2	30	v3
tert-Butyl Formate	ug/L	ND	160	160	192	198	120	124	10-170	3	30	P5
Toluene	ug/L	ND	20	20	24.6	24.3	123	121	59-148	1	30	
Xylene (Total)	ug/L	ND	60	60	70.9	72.8	118	121	63-158	3	30	
1,2-Dichloroethane-d4 (S)	%						103	104	70-130			
4-Bromofluorobenzene (S)	%						100	101	70-130			
Toluene-d8 (S)	%						103	102	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 884699
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92754266002, 92754266003

METHOD BLANK: 4555879 Matrix: Water
Associated Lab Samples: 92754266002, 92754266003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/24/24 00:06	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/24/24 00:06	
Benzene	ug/L	ND	1.0	0.34	09/24/24 00:06	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/24/24 00:06	
Ethanol	ug/L	ND	200	72.2	09/24/24 00:06	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/24/24 00:06	
Ethylbenzene	ug/L	ND	1.0	0.30	09/24/24 00:06	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/24/24 00:06	
Naphthalene	ug/L	ND	1.0	0.64	09/24/24 00:06	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/24/24 00:06	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/24/24 00:06	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/24/24 00:06	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/24/24 00:06	
Toluene	ug/L	ND	1.0	0.48	09/24/24 00:06	
Xylene (Total)	ug/L	ND	1.0	0.34	09/24/24 00:06	
1,2-Dichloroethane-d4 (S)	%	102	70-130		09/24/24 00:06	
4-Bromofluorobenzene (S)	%	99	70-130		09/24/24 00:06	
Toluene-d8 (S)	%	98	70-130		09/24/24 00:06	

LABORATORY CONTROL SAMPLE: 4555880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.1	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	427	107	70-130	
Benzene	ug/L	20	21.8	109	70-130	
Diisopropyl ether	ug/L	20	20.0	100	70-130	
Ethanol	ug/L	800	965	121	70-130	
Ethyl-tert-butyl ether	ug/L	40	39.3	98	70-130	
Ethylbenzene	ug/L	20	20.6	103	70-130	
Methyl-tert-butyl ether	ug/L	20	19.6	98	70-130	
Naphthalene	ug/L	20	21.5	107	70-130	
tert-Amyl Alcohol	ug/L	400	411	103	70-130	
tert-Amylmethyl ether	ug/L	40	40.9	102	70-130	
tert-Butyl Alcohol	ug/L	200	200	100	70-130	
tert-Butyl Formate	ug/L	160	164	103	70-130	
Toluene	ug/L	20	20.6	103	70-130	
Xylene (Total)	ug/L	60	63.1	105	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4555880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4555881

Parameter	Units	92754266003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	21.2	106	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	451	113	39-157	
Benzene	ug/L	110	20	103	-31	70-151	M1
Diisopropyl ether	ug/L	ND	20	21.4	107	63-144	
Ethanol	ug/L	ND	800	991	124	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	43.6	104	66-137	
Ethylbenzene	ug/L	3.4	20	25.0	108	66-153	
Methyl-tert-butyl ether	ug/L	ND	20	21.2	106	54-156	
Naphthalene	ug/L	ND	20	26.1	131	61-148	
tert-Amyl Alcohol	ug/L	264	400	633	92	54-153	
tert-Amylmethyl ether	ug/L	ND	40	42.1	105	69-139	
tert-Butyl Alcohol	ug/L	35.1J	200	319	142	43-188	
tert-Butyl Formate	ug/L	ND	160	ND	4	10-170	P5
Toluene	ug/L	1.3	20	22.8	107	59-148	
Xylene (Total)	ug/L	8.9	60	75.1	110	63-158	
1,2-Dichloroethane-d4 (S)	%				105	70-130	
4-Bromofluorobenzene (S)	%				104	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4555882

Parameter	Units	92754266002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	4850	6590	30	30	E
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	109J	131J		30	
Ethylbenzene	ug/L	608	776	24	30	
Methyl-tert-butyl ether	ug/L	217	264	19	30	
Naphthalene	ug/L	78.9	78.8	0	30	
tert-Amyl Alcohol	ug/L	13900	13900	0	30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	1150J	1190J		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	3130	4160	28	30	
Xylene (Total)	ug/L	1890	2440	26	30	
1,2-Dichloroethane-d4 (S)	%	101	104			
4-Bromofluorobenzene (S)	%	100	100			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

SAMPLE DUPLICATE: 4555882

Parameter	Units	92754266002 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene-d8 (S)	%	100	99			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 884968
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92754266007, 92754266008, 92754266012, 92754266013, 92754266016, 92754266021, 92754266022, 92754266025, 92754266027, 92754266028, 92754266050

METHOD BLANK: 4557120 Matrix: Water
Associated Lab Samples: 92754266007, 92754266008, 92754266012, 92754266013, 92754266016, 92754266021, 92754266022, 92754266025, 92754266027, 92754266028, 92754266050

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/24/24 13:05	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/24/24 13:05	
Benzene	ug/L	ND	1.0	0.34	09/24/24 13:05	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/24/24 13:05	
Ethanol	ug/L	ND	200	72.2	09/24/24 13:05	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/24/24 13:05	
Ethylbenzene	ug/L	ND	1.0	0.30	09/24/24 13:05	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/24/24 13:05	
Naphthalene	ug/L	ND	1.0	0.64	09/24/24 13:05	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/24/24 13:05	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/24/24 13:05	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/24/24 13:05	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/24/24 13:05	
Toluene	ug/L	ND	1.0	0.48	09/24/24 13:05	
Xylene (Total)	ug/L	ND	1.0	0.34	09/24/24 13:05	
1,2-Dichloroethane-d4 (S)	%	100	70-130		09/24/24 13:05	
4-Bromofluorobenzene (S)	%	96	70-130		09/24/24 13:05	
Toluene-d8 (S)	%	99	70-130		09/24/24 13:05	

LABORATORY CONTROL SAMPLE: 4557121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	17.7	89	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	404	101	70-130	
Benzene	ug/L	20	17.6	88	70-130	
Diisopropyl ether	ug/L	20	17.0	85	70-130	
Ethanol	ug/L	800	800	100	70-130	
Ethyl-tert-butyl ether	ug/L	40	34.3	86	70-130	
Ethylbenzene	ug/L	20	18.1	90	70-130	
Methyl-tert-butyl ether	ug/L	20	17.3	87	70-130	
Naphthalene	ug/L	20	23.6	118	70-130	
tert-Amyl Alcohol	ug/L	400	404	101	70-130	
tert-Amylmethyl ether	ug/L	40	36.1	90	70-130	
tert-Butyl Alcohol	ug/L	200	191	96	70-130	
tert-Butyl Formate	ug/L	160	151	95	70-130	
Toluene	ug/L	20	17.5	87	70-130	
Xylene (Total)	ug/L	60	55.3	92	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4557121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 4557126

Parameter	Units	92754266013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	17.9	89	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	495	124	39-157	
Benzene	ug/L	ND	20	18.4	92	70-151	
Diisopropyl ether	ug/L	ND	20	17.6	88	63-144	
Ethanol	ug/L	ND	800	783	98	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	35.6	89	66-137	
Ethylbenzene	ug/L	ND	20	20.4	102	66-153	
Methyl-tert-butyl ether	ug/L	ND	20	17.9	89	54-156	
Naphthalene	ug/L	ND	20	29.3	146	61-148	
tert-Amyl Alcohol	ug/L	ND	400	425	106	54-153	
tert-Amylmethyl ether	ug/L	ND	40	37.2	93	69-139	
tert-Butyl Alcohol	ug/L	ND	200	271	135	43-188	
tert-Butyl Formate	ug/L	ND	160	ND	2	10-170	P5
Toluene	ug/L	ND	20	18.4	92	59-148	
Xylene (Total)	ug/L	ND	60	61.3	102	63-158	
1,2-Dichloroethane-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				94	70-130	
Toluene-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 4557127

Parameter	Units	92754266016 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

SAMPLE DUPLICATE: 4557127

Parameter	Units	92754266016 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	103	103			
4-Bromofluorobenzene (S)	%	95	94			
Toluene-d8 (S)	%	97	98			

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 884974
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92754266036

METHOD BLANK: 4557135 Matrix: Water
Associated Lab Samples: 92754266036

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/25/24 01:59	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/25/24 01:59	
Benzene	ug/L	ND	1.0	0.34	09/25/24 01:59	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/25/24 01:59	v2
Ethanol	ug/L	ND	200	72.2	09/25/24 01:59	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/25/24 01:59	
Ethylbenzene	ug/L	ND	1.0	0.30	09/25/24 01:59	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/25/24 01:59	
Naphthalene	ug/L	ND	1.0	0.64	09/25/24 01:59	v1
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/25/24 01:59	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/25/24 01:59	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/25/24 01:59	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/25/24 01:59	
Toluene	ug/L	ND	1.0	0.48	09/25/24 01:59	v2
Xylene (Total)	ug/L	ND	1.0	0.34	09/25/24 01:59	
1,2-Dichloroethane-d4 (S)	%	102	70-130		09/25/24 01:59	
4-Bromofluorobenzene (S)	%	92	70-130		09/25/24 01:59	
Toluene-d8 (S)	%	95	70-130		09/25/24 01:59	

LABORATORY CONTROL SAMPLE: 4557136

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	15.9	80	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	435	109	70-130	
Benzene	ug/L	20	15.2	76	70-130	
Diisopropyl ether	ug/L	20	15.0	75	70-130	v3
Ethanol	ug/L	800	742	93	70-130	
Ethyl-tert-butyl ether	ug/L	40	30.8	77	70-130	
Ethylbenzene	ug/L	20	17.1	86	70-130	
Methyl-tert-butyl ether	ug/L	20	15.6	78	70-130	
Naphthalene	ug/L	20	26.1	131	70-130	L1,v1
tert-Amyl Alcohol	ug/L	400	382	95	70-130	
tert-Amylmethyl ether	ug/L	40	32.2	80	70-130	
tert-Butyl Alcohol	ug/L	200	180	90	70-130	
tert-Butyl Formate	ug/L	160	133	83	70-130	
Toluene	ug/L	20	15.2	76	70-130	v3
Xylene (Total)	ug/L	60	51.6	86	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			93	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4557136

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4557137 4557138

Parameter	Units	92754760008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	23.6	22.4	118	112	70-137	5	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	507	493	127	123	39-157	3	30	
Benzene	ug/L	ND	20	20	25.6	24.3	128	122	70-151	5	30	
Diisopropyl ether	ug/L	ND	20	20	23.7	22.7	119	114	63-144	4	30	
Ethanol	ug/L	ND	800	800	1060	1130	132	141	39-176	7	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	45.9	43.4	115	108	66-137	6	30	
Ethylbenzene	ug/L	ND	20	20	24.3	23.2	122	116	66-153	5	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	22.7	21.7	113	108	54-156	5	30	
Naphthalene	ug/L	ND	20	20	23.8	24.3	119	121	61-148	2	30	
tert-Amyl Alcohol	ug/L	ND	400	400	516	496	129	124	54-153	4	30	
tert-Amylmethyl ether	ug/L	ND	40	40	47.4	44.3	119	111	69-139	7	30	
tert-Butyl Alcohol	ug/L	ND	200	200	267	284	134	142	43-188	6	30	
tert-Butyl Formate	ug/L	ND	160	160	146	110	91	69	10-170	28	30	
Toluene	ug/L	ND	20	20	24.6	23.1	123	116	59-148	6	30	
Xylene (Total)	ug/L	ND	60	60	74.1	71.9	123	120	63-158	3	30	
1,2-Dichloroethane-d4 (S)	%						100	101	70-130			
4-Bromofluorobenzene (S)	%						100	99	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 884980
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92754266032, 92754266035, 92754266038, 92754266047

METHOD BLANK: 4557165 Matrix: Water
Associated Lab Samples: 92754266032, 92754266035, 92754266038, 92754266047

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/25/24 00:20	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/25/24 00:20	
Benzene	ug/L	ND	1.0	0.34	09/25/24 00:20	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/25/24 00:20	
Ethanol	ug/L	ND	200	72.2	09/25/24 00:20	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/25/24 00:20	
Ethylbenzene	ug/L	ND	1.0	0.30	09/25/24 00:20	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/25/24 00:20	
Naphthalene	ug/L	ND	1.0	0.64	09/25/24 00:20	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/25/24 00:20	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/25/24 00:20	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/25/24 00:20	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/25/24 00:20	
Toluene	ug/L	ND	1.0	0.48	09/25/24 00:20	
Xylene (Total)	ug/L	ND	1.0	0.34	09/25/24 00:20	
1,2-Dichloroethane-d4 (S)	%	105	70-130		09/25/24 00:20	
4-Bromofluorobenzene (S)	%	98	70-130		09/25/24 00:20	
Toluene-d8 (S)	%	102	70-130		09/25/24 00:20	

LABORATORY CONTROL SAMPLE: 4557166

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	23.0	115	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	418	104	70-130	
Benzene	ug/L	20	23.7	119	70-130	
Diisopropyl ether	ug/L	20	21.7	108	70-130	
Ethanol	ug/L	800	958	120	70-130	
Ethyl-tert-butyl ether	ug/L	40	44.2	111	70-130	
Ethylbenzene	ug/L	20	20.2	101	70-130	
Methyl-tert-butyl ether	ug/L	20	23.6	118	70-130	
Naphthalene	ug/L	20	23.9	119	70-130	
tert-Amyl Alcohol	ug/L	400	490	123	70-130	
tert-Amylmethyl ether	ug/L	40	45.1	113	70-130	
tert-Butyl Alcohol	ug/L	200	235	117	70-130	
tert-Butyl Formate	ug/L	160	182	114	70-130	
Toluene	ug/L	20	22.1	111	70-130	
Xylene (Total)	ug/L	60	61.5	102	70-130	
1,2-Dichloroethane-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4557166

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE SAMPLE: 4557167

Parameter	Units	92754760007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	27.4	137	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	413	103	39-157	
Benzene	ug/L	ND	20	27.1	135	70-151	
Diisopropyl ether	ug/L	ND	20	24.8	124	63-144	
Ethanol	ug/L	ND	800	1060	133	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	50.9	127	66-137	
Ethylbenzene	ug/L	ND	20	25.8	129	66-153	
Methyl-tert-butyl ether	ug/L	ND	20	25.7	128	54-156	
Naphthalene	ug/L	ND	20	23.1	115	61-148	
tert-Amyl Alcohol	ug/L	ND	400	441	110	54-153	
tert-Amylmethyl ether	ug/L	ND	40	49.6	124	69-139	
tert-Butyl Alcohol	ug/L	ND	200	233	117	43-188	
tert-Butyl Formate	ug/L	ND	160	136	85	10-170	
Toluene	ug/L	ND	20	26.3	132	59-148	
Xylene (Total)	ug/L	ND	60	75.3	125	63-158	
1,2-Dichloroethane-d4 (S)	%				105	70-130	
4-Bromofluorobenzene (S)	%				96	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 4557168

Parameter	Units	92754266032 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	110	109			
4-Bromofluorobenzene (S)	%	104	93			

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

SAMPLE DUPLICATE: 4557168

Parameter	Units	92754266032 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene-d8 (S)	%	100	101			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 885306
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92754266024

METHOD BLANK: 4558895 Matrix: Water
Associated Lab Samples: 92754266024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/25/24 10:42	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/25/24 10:42	
Benzene	ug/L	ND	1.0	0.34	09/25/24 10:42	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/25/24 10:42	
Ethanol	ug/L	ND	200	72.2	09/25/24 10:42	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/25/24 10:42	
Ethylbenzene	ug/L	ND	1.0	0.30	09/25/24 10:42	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/25/24 10:42	
Naphthalene	ug/L	ND	1.0	0.64	09/25/24 10:42	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/25/24 10:42	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/25/24 10:42	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/25/24 10:42	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/25/24 10:42	
Toluene	ug/L	ND	1.0	0.48	09/25/24 10:42	
Xylene (Total)	ug/L	ND	1.0	0.34	09/25/24 10:42	
1,2-Dichloroethane-d4 (S)	%	91	70-130		09/25/24 10:42	
4-Bromofluorobenzene (S)	%	96	70-130		09/25/24 10:42	
Toluene-d8 (S)	%	101	70-130		09/25/24 10:42	

LABORATORY CONTROL SAMPLE: 4558896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.6	98	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	420	105	70-130	
Benzene	ug/L	20	21.6	108	70-130	
Diisopropyl ether	ug/L	20	18.3	92	70-130	
Ethanol	ug/L	800	775	97	70-130	
Ethyl-tert-butyl ether	ug/L	40	36.4	91	70-130	
Ethylbenzene	ug/L	20	20.5	103	70-130	
Methyl-tert-butyl ether	ug/L	20	18.2	91	70-130	
Naphthalene	ug/L	20	18.1	91	70-130	
tert-Amyl Alcohol	ug/L	400	380	95	70-130	
tert-Amylmethyl ether	ug/L	40	37.7	94	70-130	
tert-Butyl Alcohol	ug/L	200	187	93	70-130	
tert-Butyl Formate	ug/L	160	145	91	70-130	
Toluene	ug/L	20	20.8	104	70-130	
Xylene (Total)	ug/L	60	62.5	104	70-130	
1,2-Dichloroethane-d4 (S)	%			87	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4558896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 4558897

Parameter	Units	92754813004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	23.7	119	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	388	97	39-157	
Benzene	ug/L	1.6	20	25.6	120	70-151	
Diisopropyl ether	ug/L	ND	20	22.0	110	63-144	
Ethanol	ug/L	ND	800	1000	126	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	44.6	111	66-137	
Ethylbenzene	ug/L	ND	20	24.2	121	66-153	
Methyl-tert-butyl ether	ug/L	ND	20	22.5	112	54-156	
Naphthalene	ug/L	ND	20	23.9	120	61-148	
tert-Amyl Alcohol	ug/L	ND	400	415	104	54-153	
tert-Amylmethyl ether	ug/L	ND	40	42.3	106	69-139	
tert-Butyl Alcohol	ug/L	ND	200	280	130	43-188	
tert-Butyl Formate	ug/L	ND	160	34.4J	22	10-170	
Toluene	ug/L	ND	20	23.2	116	59-148	
Xylene (Total)	ug/L	ND	60	70.6	118	63-158	
1,2-Dichloroethane-d4 (S)	%				105	70-130	
4-Bromofluorobenzene (S)	%				93	70-130	
Toluene-d8 (S)	%				93	70-130	

SAMPLE DUPLICATE: 4558898

Parameter	Units	92754813005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	55.6J		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	94	113			
4-Bromofluorobenzene (S)	%	97	90			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

SAMPLE DUPLICATE: 4558898

Parameter	Units	92754813005 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene-d8 (S)	%	98	98			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

QC Batch: 885390
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92754266031, 92754266043, 92754266045, 92754266046, 92754266049, 92754266051, 92754266053

METHOD BLANK: 4559379 Matrix: Water
Associated Lab Samples: 92754266031, 92754266043, 92754266045, 92754266046, 92754266049, 92754266051, 92754266053

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/26/24 01:52	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/26/24 01:52	
Benzene	ug/L	ND	1.0	0.34	09/26/24 01:52	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/26/24 01:52	
Ethanol	ug/L	ND	200	72.2	09/26/24 01:52	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/26/24 01:52	
Ethylbenzene	ug/L	ND	1.0	0.30	09/26/24 01:52	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/26/24 01:52	
Naphthalene	ug/L	ND	1.0	0.64	09/26/24 01:52	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/26/24 01:52	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/26/24 01:52	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/26/24 01:52	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/26/24 01:52	v2
Toluene	ug/L	ND	1.0	0.48	09/26/24 01:52	
Xylene (Total)	ug/L	ND	1.0	0.34	09/26/24 01:52	
1,2-Dichloroethane-d4 (S)	%	92	70-130		09/26/24 01:52	
4-Bromofluorobenzene (S)	%	96	70-130		09/26/24 01:52	
Toluene-d8 (S)	%	96	70-130		09/26/24 01:52	

LABORATORY CONTROL SAMPLE: 4559380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.5	102	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	448	112	70-130	
Benzene	ug/L	20	22.2	111	70-130	
Diisopropyl ether	ug/L	20	19.9	99	70-130	
Ethanol	ug/L	800	786	98	70-130	
Ethyl-tert-butyl ether	ug/L	40	39.0	98	70-130	
Ethylbenzene	ug/L	20	21.3	107	70-130	
Methyl-tert-butyl ether	ug/L	20	19.9	99	70-130	
Naphthalene	ug/L	20	22.0	110	70-130	
tert-Amyl Alcohol	ug/L	400	405	101	70-130	
tert-Amylmethyl ether	ug/L	40	39.9	100	70-130	
tert-Butyl Alcohol	ug/L	200	213	107	70-130	
tert-Butyl Formate	ug/L	160	150	94	70-130	v3
Toluene	ug/L	20	22.2	111	70-130	
Xylene (Total)	ug/L	60	65.0	108	70-130	
1,2-Dichloroethane-d4 (S)	%			86	70-130	
4-Bromofluorobenzene (S)	%			95	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92754266

LABORATORY CONTROL SAMPLE: 4559380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4559381 4559382

Parameter	Units	92754675017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	ND	ND	0	0	70-137		30	M1
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	ND	ND	0	0	39-157		30	M1
Benzene	ug/L	3040	20	20	4780	4600	8720	7790	70-151	4	30	M1
Diisopropyl ether	ug/L	ND	20	20	ND	ND	0	0	63-144		30	M1
Ethanol	ug/L	ND	800	800	ND	ND	0	0	39-176		30	M1
Ethyl-tert-butyl ether	ug/L	ND	40	40	ND	ND	0	0	66-137		30	M1
Ethylbenzene	ug/L	872	20	20	1550	1440	3380	2830	66-153	7	30	M1
Methyl-tert-butyl ether	ug/L	ND	20	20	ND	ND	264	137	54-156		30	M1
Naphthalene	ug/L	ND	20	20	775	ND	2110	-462	61-148		30	M1
tert-Amyl Alcohol	ug/L	ND	400	400	ND	ND	0	0	54-153		30	M1
tert-Amylmethyl ether	ug/L	ND	40	40	ND	ND	0	0	69-139		30	M1
tert-Butyl Alcohol	ug/L	ND	200	200	32900J	31400J	13800	13100	43-188		30	M1
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	0	0	10-170		30	M1
Toluene	ug/L	53100	20	20	91300	88000	191000	175000	59-148	4	30	M1
Xylene (Total)	ug/L	5840	60	60	9380	8790	5910	4920	63-158	7	30	MS
1,2-Dichloroethane-d4 (S)	%						108	109	70-130			
4-Bromofluorobenzene (S)	%						92	91	70-130			
Toluene-d8 (S)	%						97	97	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Circle K 2720886
Pace Project No.: 92754266

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

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
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.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

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(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Circle K 2720886
Pace Project No.: 92754266

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92754266001	**01589-MW-1**	EPA 8260D	883889		
92754266002	**01589-MW-2**	EPA 8260D	884699		
92754266003	**01589-MW-3**	EPA 8260D	884699		
92754266004	**01589-MW-4**	EPA 8260D	883889		
92754266005	**01589-MW-5**	EPA 8260D	884369		
92754266006	**01589-MW-7**	EPA 8260D	883890		
92754266007	**01589-MW-8**	EPA 8260D	884968		
92754266008	**01589-MW-9**	EPA 8260D	884968		
92754266009	**01589-MW-10**	EPA 8260D	883906		
92754266010	**01589-MW-11**	EPA 8260D	883906		
92754266011	**01589-MW-12**	EPA 8260D	883914		
92754266012	**01589-MW-13**	EPA 8260D	884968		
92754266013	**01589-MW-14**	EPA 8260D	884968		
92754266014	**01589-MW-15**	EPA 8260D	883914		
92754266015	**01589-MW-16**	EPA 8260D	883906		
92754266016	**01589-MW-17**	EPA 8260D	884968		
92754266017	**01589-MW-18**	EPA 8260D	883906		
92754266018	**01589-MW-19**	EPA 8260D	883906		
92754266019	**01589-MW-20**	EPA 8260D	883906		
92754266020	**01589-MW-21**	EPA 8260D	883906		
92754266021	**01589-MW-22**	EPA 8260D	884968		
92754266022	**01589-MW-23**	EPA 8260D	884968		
92754266023	**01589-MW-24**	EPA 8260D	883906		
92754266024	**01589-MW-25**	EPA 8260D	885306		
92754266025	**01589-MW-26R**	EPA 8260D	884968		
92754266026	**01589-MW-27**	EPA 8260D	883909		
92754266027	**01589-MW-28**	EPA 8260D	884968		
92754266028	**01589-MW-29R**	EPA 8260D	884968		
92754266029	**01589-MW-30**	EPA 8260D	883909		
92754266030	**01589-MW-31**	EPA 8260D	883906		
92754266031	**01589-MW-32**	EPA 8260D	885390		
92754266032	**01589-MW-34**	EPA 8260D	884980		
92754266033	**01589-MW-35**	EPA 8260D	883909		
92754266034	**01589-MW-36**	EPA 8260D	883909		
92754266035	**01589-MW-38R**	EPA 8260D	884980		
92754266036	**01589-DMW-1**	EPA 8260D	884974		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Circle K 2720886
Pace Project No.: 92754266

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92754266037	**01589-DMW-2**	EPA 8260D	883909		
92754266038	**01589-DMW-3**	EPA 8260D	884980		
92754266039	**01589-DMW-4**	EPA 8260D	883909		
92754266040	**01589-DMW-5**	EPA 8260D	883909		
92754266041	**01589-RW-1**	EPA 8260D	883914		
92754266042	**01589-RW-2**	EPA 8260D	883914		
92754266043	**01589-RW-3**	EPA 8260D	885390		
92754266044	**01589-RW-4**	EPA 8260D	883914		
92754266045	**01589-RW-6**	EPA 8260D	885390		
92754266046	**01589-RW-7**	EPA 8260D	885390		
92754266047	**01589-RW-8**	EPA 8260D	884980		
92754266048	**01589-RW-9**	EPA 8260D	883914		
92754266049	**01589-RW-10**	EPA 8260D	885390		
92754266050	**01589-RW-12**	EPA 8260D	884968		
92754266051	**01589-DUP-1**	EPA 8260D	885390		
92754266052	**01589-DUP-2**	EPA 8260D	883914		
92754266053	**01589-DUP-3**	EPA 8260D	885390		
92754266054	**01589-FB-1**	EPA 8260D	883914		
92754266055	**01589-FB-2**	EPA 8260D	883914		
92754266056	**01589-SW-2**	EPA 8260D	883914		
92754266057	**01589-SW-3**	EPA 8260D	884211		
92754266058	**01589-SW-4**	EPA 8260D	884211		
92754266059	**01589-SW-5**	EPA 8260D	884211		
92754266060	**01589-SW-6**	EPA 8260D	884211		
92754266061	**01589-SW-7**	EPA 8260D	884211		
92754266062	**01589-SW-8**	EPA 8260D	884211		
92754266063	**01589-SW-9**	EPA 8260D	884211		
92754266064	**01589-TRIP BLANK-1**	EPA 8260D	884211		
92754266065	**01589-TRIP BLANK-2**	EPA 8260D	884228		

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

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

Sample Condition Upon Receipt

Client Name: ATC Group Services, LLC - Columbia

Project # WO# : 92754266

92754266

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

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No ☐ N/A

Date/Initials Person Examining Contents: XDG 1/18/24

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

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

Thermometer: ☐ IR Gun ID: 97107B

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.1, 3.6 **Correction Factor:** Add/Subtract (°C) 0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 2.1, 3.6

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

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

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

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

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

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

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

***Check all unpreserved Nitrates for chlorine

Project # WO#: 92754266

PM: TMC Due Date: 09/25/24

CLIENT: 92-ATC_Colum

1

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Memphis ☐ Atlanta ☐ Tennessee ☐

Client ATC Group Services Profile (EZ) (Circle one) 3152345 Notes

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

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

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

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

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

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

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

3

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

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

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

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

4

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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

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

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

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

5

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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

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

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

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile (EZ) (Circle one)_____ Notes_____

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

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

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

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	ATC Group Services, LLC - Columbia	Contact/Report To:	Brad Hubbard
Street Address:	6904 North Main Street Suite 107 Columbia, SC 29203	Phone #:	
		E-Mail:	brad.hubbard@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Circle K 2720886	Invoice To:	Bob Bolton
		Invoice E-Mail:	bob.bolton@oneatlas.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): South Carolina

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8260 BTEXMN+1,2-DCA+Oxys	Trip Blank	Sample Comment
01589 - MW 1	GW	G			9/13/24	1329	3			X		
MW 2	GW	G			9/13/24	1259						
MW 3	GW	G			9/12	1318	3					
MW 4	GW	G			9/12	1147	3					
MW 5	GW	G			9/12	1201	3					
—	—	—	—	—	—	—	—					
MW 7	GW	G			9/12	1213	3					
MW 8	GW	G			9/12	1119	3					
MW 9	GW	G			9/12	1116	3					
MW 10	GW	G			9/12	1035	3					

Lab Use Only
Proj. Mgr: Taylor Cannon
AcctNum / Client ID:
Table #:
Profile / Template: 9570
Prelog / Bottle Ord. ID: EZ 3152345

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) Joe Gray
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
	92107B	0	5.1	5.1	

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	9-16-24 1346	/Pace	9-16-24 / 1346	
/Pace	9-16-24 / 1418		9.16.24 1418	Delivered by: [ ] In- Person [ ] Courier
	9/16/24 1800	HHH/Pace HVL	9/18/24 9:45	[X] FedEX [ ] UPS [ ] Other
				Page: 1 of 7

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	ATC Group Services, LLC - Columbia	Contact/Report To:	Brad Hubbard
Street Address:	6904 North Main Street Suite 107 Columbia, SC 29203	Phone #: E-Mail: Cc E-Mail:	 brad.hubbard@oneatlas.com
Customer Project #:			
Project Name:	Circle K 2720886	Invoice To: Invoice E-Mail: Purchase Order # (if applicable): Quote #:	Bob Bolton bob.bolton@oneatlas.com
Site Collection Info/Facility ID (as applicable):			

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): South Carolina

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: **Taylor Cannon**
AcctNum / Client ID:
Table #:
Profile / Template: **9570**
Prelog / Bottle Ord. ID: **EZ 3152345**

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8260 BTEXMN+1,2-DCA+Oxys	Trip Blank	Sample Comment	Preservation non-conformance identified for sample.
61589 - MW 11	GW	G			9/12	1046	3			X			
MW 12					9/13	1300	3						
MW 13					9/13	1039	3						
MW 14					9/12	1320	3						
MW 15					9/13	1054	3						
MW 16						1029	3						
MW 17						1003	3						
MW 18						0954	3						
MW 19						1002	3						
MW 20						0942	3						

Additional Instructions from Pace®:

Collected By:
(Printed Name) Joe Gorny
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	9.16.24 / 1346	/Pace	9.16.24 / 1346	
/Pace	9.16.24 / 1418		9.16.24 / 1418	Delivered by: [ ] In- Person [ ] Courier
	9.16.24 1800	HHH/Pace HVL	9/18/24 9:45	[X] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 7

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

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Company Name:	ATC Group Services, LLC - Columbia	Contact/Report To:	Brad Hubbard
Street Address:	6904 North Main Street Suite 107 Columbia, SC 29203	Phone #: E-Mail: Cc E-Mail:	 brad.hubbard@oneatlas.com
Customer Project #:			
Project Name:	Circle K 2720886	Invoice To:	Bob Bolton
Site Collection Info/Facility ID (as applicable):		Invoice E-Mail: Purchase Order # (if applicable): Quote #:	bob.bolton@oneatlas.com
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	South Carolina
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____ Date Results Requested:	DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [ ] Yes [ ] No Analysis:	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8260 BTEXMN+1,2-DCA+Oxys	Trip Blank	Sample Comment
01589 - MW 21	GW	G			9/12	0945	3			X		
MW 22						1102						
MW 23						1220						
MW 24						1504						
MW 25						1613						
MW 26R						1201						
MW 27						1528						
MW 28						1438						
MW 29R						1340						
MW 30	↓	↓			↓	1002	↓			↓		

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Taylor Cannon**
AcctNum / Client ID:
Table #:
Profile / Template: **9570**
Prelog / Bottle Ord. ID: **EZ 3152345**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By:
(Printed Name) Joe Gerry
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
/ATCcom	9-16-24 / 1346	/Pace	9-16-24 / 1346	
/Pace	9-16-24 / 1418		9.16.24 1418	Delivered by: [ ] In- Person [ ] Courier
		HHR/Pace HUL	9/18/24 9:45	[X] FedEx [ ] UPS [ ] Other
				Page: 3 of 7

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	ATC Group Services, LLC - Columbia	Contact/Report To:	Brad Hubbard
Street Address:	6904 North Main Street Suite 107 Columbia, SC 29203	Phone #: E-Mail: Cc E-Mail:	 brad.hubbard@oneatlas.com
Customer Project #:			
Project Name:	Circle K 2720886	Invoice To: Invoice E-Mail: Purchase Order # (if applicable): Quote #:	Bob Bolton bob.bolton@oneatlas.com
Site Collection Info/Facility ID (as applicable):			
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	South Carolina
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other		Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
		Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other	DW PWSID # or WW Permit # as applicable:
		Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8260 BTEXMN+1,2-DCA+Oxys	Trip Blank
01589 - MW 31	GW	G			9/12	1429	3			3	
MW 32					9/12	1310	3			3	
—	—	—			—	—	—				
MW 34					9/13	1207	3			3	
MW 35					9/12	1219	3			3	
MW 36					9/12	1427	3			3	
—	—	—			—	—	—				
MW 38R					9/12	1353	3			3	
DMW 1					9/13	1343	3			3	
DMW 2					9/12	1047	3			3	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Taylor Cannon**
AcctNum / Client ID:
Table #:
Profile / Template: **9570**
Prelog / Bottle Ord. ID: **EZ 3152345**

Sample Comment

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) Joe Gulley
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
[illegible] / ATCGS	9-16-24 / 1346	[illegible] / Pace	9-16-24 / 1346	
[illegible] / Pace	9-16-24 / 1418	[illegible]	9.16.24 1418	Delivered by: [ ] In- Person [ ] Courier
[illegible]	9.16.24 1800	[illegible] HHR/Pace HVL	9/18/24 9:45	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 7

Scan QR Code for instructions

Suite 107
Columbia, SC 29203

Customer Project #:

Project Name: Circle K 2720886

Site Collection Info/Facility ID (as applicable):

Phone #:

E-Mail: brad.hubbard@oneatlas.com

Cc E-Mail:

Invoice To: Bob Bolton

Invoice E-Mail: bob.bolton@oneatlas.com

Purchase Order # (if applicable):

Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable:

County / State origin of sample(s): South Carolina

Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other ____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8260 BTEXMN+1,2-DCA+Oxys	Trip Blank
01589 - DMW 3	GW	G			9/12	1449	3			X	
DMW 4					9/13	1034	3				
DMW 5					9/13	1230	3				
RW 1					9/13	1349	3				
RW 2					9/13	1409	3				
RW 3					9/12	1229	3				
RW 4					9/12	1210	3				
RW 5	—	—			—	—				—	
RW 6	GW	G			9/12	1351	3			X	
RW 7	GW	G			9/13	1300	3			X	

Additional Instructions from Pace®:

Collected By: (Printed Name) Joe Gray

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Taylor Cannon

AcctNum / Client ID:

Table #:

Profile / Template: 9570

Prelog / Bottle Ord. ID: EZ 3152345

Sample Comment

Preservation non-conformance identified for sample.

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished By/Company: (Signature)	9-16-24 / 1346		
Relinquished by/Company: (Signature)	9-16-24 / 1418	Received by/Company: (Signature)	9.16.24 1418
	9.16.24 1800	Received by/Company: (Signature)	9/16/24 9:45
	Date/Time:	Received by/Company: (Signature)	Date/Time:

Thermometer ID: 921079 Correction Factor (°C): 0 Obs. Temp. (°C): 5.1 Corrected Temp. (°C): 5.1 On Ice:

Coolers:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	ATC Group Services, LLC - Columbia	Contact/Report To:	Brad Hubbard
Street Address:	6904 North Main Street Suite 107 Columbia, SC 29203	Phone #:	
		E-Mail:	brad.hubbard@oneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Circle K 2720886	Invoice To:	Bob Bolton
		Invoice E-Mail:	bob.bolton@oneatlas.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): South Carolina

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: **Taylor Cannon**
AcctNum / Client ID:
Table #:
Profile / Template: **9570**
Prelog / Bottle Ord. ID: **EZ 3152345**

Preservation non-conformance identified for sample.

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8260 BTEXMN+1,2-DCA+Oxys	Trip Blank	Sample Comment
01589 - RW 8	GW	G			9/12	1412	3			X		
RW 9					9/12	1400						
RW 10					9/12	1355						
DW 12					9/12	1405						
DUP 1					9/13	1329						
DUP 2					9/13	1054						
DUP 3					9/13	1301						
FB 1					9/12	1050						
FB 2	W				9/13	1002						
SW 2	SW	V			9/12	1556	↓			V		

Additional Instructions from Pace®:

Collected By:
(Printed Name) Joe Gray
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time: 9-16-24 / 1346	Received by/Company: (Signature)	Date/Time: 9-16-24 / 1346	Tracking Number:	
Relinquished by/Company: (Signature) Pace	Date/Time: 9-16-24 / 1418	Received by/Company: (Signature)	Date/Time: 9.16.24 1418	Delivered by: [ ] In-Person [ ] Courier	
Relinquished by/Company: (Signature)	Date/Time: 9.16.24 1800	Received by/Company: (Signature) HHM/Pace HVL	Date/Time: 9/18/24 9:45	[X] FedEx [ ] UPS [ ] Other	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 6 of 7	

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	ATC Group Services, LLC - Columbia	Contact/Report To:	Brad Hubbard
Street Address:	6904 North Main Street Suite 107 Columbia, SC 29203	Phone #: E-Mail: Cc E-Mail:	 brad.hubbard@oneatlas.com
Customer Project #:			
Project Name:	Circle K 2720886	Invoice To: Invoice E-Mail: Purchase Order # (if applicable): Quote #:	Bob Bolton bob.bolton@oneatlas.com
Site Collection Info/Facility ID (as applicable):			
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	South Carolina
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other		Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
		Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____	DW PWSID # or WW Permit # as applicable:
		Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8260 BTEXMN+1,2-DCA+Oxys	Trip Blank
01589 - SW 3	SW	G			9/12	1059	3			X	
SW 4					9/12	1112					
SW 5					9/13	1128					
SW 6					9/12	1124					
SW 7					9/13	1144					
SW 8					9/13	1157					
SW 9					9/13	1159					
Trip Blank											2
Trip Blank											2

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Taylor Cannon**
AcctNum / Client ID:
Table #:
Profile / Template: **9570**
Prelog / Bottle Ord. ID: **EZ 3152345**

Sample Comment

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By:
(Printed Name) Joe Gerry
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
ATCGA	9.16.24 / 1346	Pace	9.16.24 / 1346	
Pace	9.16.24 / 1418	Keegan	9.16.24 1418	Delivered by: [ ] In- Person [ ] Courier
Keegan	9.16.24 1800	HHR/Pace HVL	9/16/24	[ ] FedEx [ ] UPS [ ] Other
				Page: 7 of 7

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

September 24, 2024

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

RE: Project: 257CK88613
Pace Project No.: 92753898

Dear Brad Hubbard:

Enclosed are the analytical results for sample(s) received by the laboratory on September 17, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Charlotte

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

Sincerely,

Taylor M Cannon
taylor.cannon@pacelabs.com
704-977-0943
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 257CK88613
Pace Project No.: 92753898

Pace Analytical Services Charlotte

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 257CK88613
Pace Project No.: 92753898

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92753898001	**01889-WSW-12**	Water	09/13/24 14:41	09/17/24 08:00
92753898002	**01889-WSW-13**	Water	09/13/24 14:43	09/17/24 08:00
92753898003	**01889-WSW-DUP**	Water	09/13/24 14:43	09/17/24 08:00
92753898004	**01889-WSW-FB**	Water	09/13/24 14:39	09/17/24 08:00
92753898005	**01889-WSW-TRIP BLANK**	Water	09/13/24 14:39	09/17/24 08:00

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

SAMPLE ANALYTE COUNT

Project: 257CK88613
Pace Project No.: 92753898

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92753898001	**01889-WSW-12**	EPA 524.2	JN	10	PASI-C
		EPA 8260D	TMH	11	PASI-C
92753898002	**01889-WSW-13**	EPA 524.2	JN	10	PASI-C
		EPA 8260D	TMH	11	PASI-C
92753898003	**01889-WSW-DUP**	EPA 524.2	JN	10	PASI-C
		EPA 8260D	TMH	11	PASI-C
92753898004	**01889-WSW-FB**	EPA 524.2	JN	10	PASI-C
		EPA 8260D	TMH	11	PASI-C
92753898005	**01889-WSW-TRIP BLANK**	EPA 524.2	JN	10	PASI-C
		EPA 8260D	TMH	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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

PROJECT NARRATIVE

Project: 257CK88613
Pace Project No.: 92753898

Method: **EPA 524.2**
Description: 524.2 MSV SC List
Client: ATC Group Services, LLC - Columbia
Date: September 24, 2024

General Information:
5 samples were analyzed for EPA 524.2 by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

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

PROJECT NARRATIVE

Project: 257CK88613
Pace Project No.: 92753898

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: ATC Group Services, LLC - Columbia
Date: September 24, 2024

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

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

QC Batch: 883494

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.

- 01889-WSW-13 (Lab ID: 92753898002)
  - Ethanol
- 01889-WSW-DUP (Lab ID: 92753898003)
  - Ethanol
- DUP (Lab ID: 4549665)
  - Ethanol
- MS (Lab ID: 4549666)
  - Ethanol

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

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

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

PROJECT NARRATIVE

Project: 257CK88613
Pace Project No.: 92753898

Method: **EPA 8260D**
Description: 8260 MSV Low Level SC
Client: ATC Group Services, LLC - Columbia
Date: September 24, 2024

Additional Comments:

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

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

ANALYTICAL RESULTS

Project: 257CK88613
Pace Project No.: 92753898

Sample: 01889-WSW-12 **Lab ID: 92753898001** Collected: 09/13/24 14:41 Received: 09/17/24 08:00 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		09/18/24 20:16	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/18/24 20:16	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/18/24 20:16	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/18/24 20:16	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/18/24 20:16	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/18/24 20:16	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/18/24 20:16	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/18/24 20:16	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	86	%	70-130		1		09/18/24 20:16	2199-69-1	
4-Bromofluorobenzene (S)	78	%	70-130		1		09/18/24 20:16	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		09/18/24 14:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/18/24 14:57	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/18/24 14:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/18/24 14:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/18/24 14:57	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/18/24 14:57	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/18/24 14:57	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/18/24 14:57	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/18/24 14:57	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		09/18/24 14:57	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		09/18/24 14:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: 257CK88613
Pace Project No.: 92753898

Sample: 01889-WSW-13 **Lab ID: 92753898002** Collected: 09/13/24 14:43 Received: 09/17/24 08:00 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		09/18/24 20:42	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/18/24 20:42	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/18/24 20:42	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/18/24 20:42	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/18/24 20:42	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/18/24 20:42	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/18/24 20:42	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/18/24 20:42	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	85	%	70-130		1		09/18/24 20:42	2199-69-1	
4-Bromofluorobenzene (S)	78	%	70-130		1		09/18/24 20:42	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		09/18/24 15:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/18/24 15:17	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/18/24 15:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/18/24 15:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/18/24 15:17	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/18/24 15:17	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/18/24 15:17	64-17-5	v1
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/18/24 15:17	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/18/24 15:17	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		09/18/24 15:17	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		09/18/24 15:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88613
Pace Project No.: 92753898

Sample: 01889-WSW-DUP **Lab ID: 92753898003** Collected: 09/13/24 14:43 Received: 09/17/24 08:00 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		09/20/24 02:56	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/20/24 02:56	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/20/24 02:56	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/20/24 02:56	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/20/24 02:56	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/20/24 02:56	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/20/24 02:56	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/20/24 02:56	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	84	%	70-130		1		09/20/24 02:56	2199-69-1	
4-Bromofluorobenzene (S)	77	%	70-130		1		09/20/24 02:56	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		09/18/24 15:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/18/24 15:36	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/18/24 15:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/18/24 15:36	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/18/24 15:36	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/18/24 15:36	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/18/24 15:36	64-17-5	v1
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/18/24 15:36	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		09/18/24 15:36	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		09/18/24 15:36	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		09/18/24 15:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88613
Pace Project No.: 92753898

Sample: 01889-WSW-FB **Lab ID: 92753898004** Collected: 09/13/24 14:39 Received: 09/17/24 08:00 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		09/20/24 02:30	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/20/24 02:30	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/20/24 02:30	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/20/24 02:30	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/20/24 02:30	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/20/24 02:30	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/20/24 02:30	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/20/24 02:30	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	85	%	70-130		1		09/20/24 02:30	2199-69-1	
4-Bromofluorobenzene (S)	76	%	70-130		1		09/20/24 02:30	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		09/18/24 15:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/18/24 15:55	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/18/24 15:55	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/18/24 15:55	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/18/24 15:55	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/18/24 15:55	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/18/24 15:55	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/18/24 15:55	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		09/18/24 15:55	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		09/18/24 15:55	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		09/18/24 15:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88613
Pace Project No.: 92753898

Sample: 01889-WSW-TRIP BLANK **Lab ID: 92753898005** Collected: 09/13/24 14:39 Received: 09/17/24 08:00 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		09/18/24 19:24	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/18/24 19:24	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/18/24 19:24	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/18/24 19:24	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/18/24 19:24	91-20-3	
Toluene	**0.0013**	mg/L	0.00050	0.00020	1		09/18/24 19:24	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/18/24 19:24	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/18/24 19:24	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	86	%	70-130		1		09/18/24 19:24	2199-69-1	
4-Bromofluorobenzene (S)	82	%	70-130		1		09/18/24 19:24	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		09/18/24 14:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		09/18/24 14:38	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		09/18/24 14:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		09/18/24 14:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		09/18/24 14:38	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		09/18/24 14:38	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		09/18/24 14:38	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		09/18/24 14:38	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		09/18/24 14:38	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		09/18/24 14:38	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		09/18/24 14:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 257CK88613
Pace Project No.: 92753898

QC Batch: 883645
QC Batch Method: EPA 524.2
Analysis Method: EPA 524.2
Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92753898001, 92753898002, 92753898005

METHOD BLANK: 4550611 Matrix: Water
Associated Lab Samples: 92753898001, 92753898002, 92753898005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00016	09/18/24 18:58	
Benzene	mg/L	ND	0.00050	0.00021	09/18/24 18:58	
Ethylbenzene	mg/L	ND	0.00050	0.00022	09/18/24 18:58	
m&p-Xylene	mg/L	ND	0.0010	0.00039	09/18/24 18:58	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00014	09/18/24 18:58	
Naphthalene	mg/L	ND	0.00050	0.00035	09/18/24 18:58	
o-Xylene	mg/L	ND	0.00050	0.00022	09/18/24 18:58	
Toluene	mg/L	ND	0.00050	0.00020	09/18/24 18:58	
1,2-Dichlorobenzene-d4 (S)	%	88	70-130		09/18/24 18:58	
4-Bromofluorobenzene (S)	%	82	70-130		09/18/24 18:58	

LABORATORY CONTROL SAMPLE: 4550612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.022	109	70-130	
Benzene	mg/L	0.02	0.022	112	70-130	
Ethylbenzene	mg/L	0.02	0.018	89	70-130	
m&p-Xylene	mg/L	0.04	0.036	91	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.020	101	70-130	
Naphthalene	mg/L	0.02	0.017	86	70-130	
o-Xylene	mg/L	0.02	0.020	100	70-130	
Toluene	mg/L	0.02	0.021	107	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 257CK88613
Pace Project No.: 92753898

QC Batch: 884052
QC Batch Method: EPA 524.2
Analysis Method: EPA 524.2
Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92753898003, 92753898004

METHOD BLANK: 4552812 Matrix: Water
Associated Lab Samples: 92753898003, 92753898004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00016	09/20/24 02:04	
Benzene	mg/L	ND	0.00050	0.00021	09/20/24 02:04	
Ethylbenzene	mg/L	ND	0.00050	0.00022	09/20/24 02:04	
m&p-Xylene	mg/L	ND	0.0010	0.00039	09/20/24 02:04	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00014	09/20/24 02:04	
Naphthalene	mg/L	ND	0.00050	0.00035	09/20/24 02:04	
o-Xylene	mg/L	ND	0.00050	0.00022	09/20/24 02:04	
Toluene	mg/L	ND	0.00050	0.00020	09/20/24 02:04	
1,2-Dichlorobenzene-d4 (S)	%	85	70-130		09/20/24 02:04	
4-Bromofluorobenzene (S)	%	76	70-130		09/20/24 02:04	

LABORATORY CONTROL SAMPLE: 4552813

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.023	115	70-130	
Benzene	mg/L	0.02	0.023	114	70-130	
Ethylbenzene	mg/L	0.02	0.017	87	70-130	
m&p-Xylene	mg/L	0.04	0.036	91	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.021	107	70-130	
Naphthalene	mg/L	0.02	0.018	90	70-130	
o-Xylene	mg/L	0.02	0.019	97	70-130	
Toluene	mg/L	0.02	0.022	108	70-130	
1,2-Dichlorobenzene-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 257CK88613
Pace Project No.: 92753898

QC Batch: 883494
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92753898001, 92753898002, 92753898003, 92753898004, 92753898005

METHOD BLANK: 4549663 Matrix: Water
Associated Lab Samples: 92753898001, 92753898002, 92753898003, 92753898004, 92753898005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/18/24 12:06	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/18/24 12:06	
Ethanol	ug/L	ND	200	72.2	09/18/24 12:06	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/18/24 12:06	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/18/24 12:06	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/18/24 12:06	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/18/24 12:06	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/18/24 12:06	
1,2-Dichloroethane-d4 (S)	%	104	70-130		09/18/24 12:06	
4-Bromofluorobenzene (S)	%	100	70-130		09/18/24 12:06	
Toluene-d8 (S)	%	98	70-130		09/18/24 12:06	

LABORATORY CONTROL SAMPLE: 4549664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	400	436	109	70-130	
Diisopropyl ether	ug/L	20	21.1	105	70-130	
Ethanol	ug/L	800	954	119	70-130	
Ethyl-tert-butyl ether	ug/L	40	42.3	106	70-130	
tert-Amyl Alcohol	ug/L	400	418	104	70-130	
tert-Amylmethyl ether	ug/L	40	43.4	108	70-130	
tert-Butyl Alcohol	ug/L	200	201	100	70-130	
tert-Butyl Formate	ug/L	160	180	113	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 4549666

Parameter	Units	92753898003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	400	544	136	39-157	
Diisopropyl ether	ug/L	ND	20	21.8	109	63-144	
Ethanol	ug/L	ND	800	931	116	39-176	v1
Ethyl-tert-butyl ether	ug/L	ND	40	46.9	117	66-137	
tert-Amyl Alcohol	ug/L	ND	400	563	141	54-153	
tert-Amylmethyl ether	ug/L	ND	40	48.9	122	69-139	
tert-Butyl Alcohol	ug/L	ND	200	328	164	43-188	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 257CK88613
Pace Project No.: 92753898

MATRIX SPIKE SAMPLE: 4549666

Parameter	Units	92753898003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	ND	160	83.8	52	10-170	
1,2-Dichloroethane-d4 (S)	%				106	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 4549665

Parameter	Units	92753898002 Result	Dup Result	RPD	Max RPD	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	v1
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	105	110			
4-Bromofluorobenzene (S)	%	99	99			
Toluene-d8 (S)	%	98	97			

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 257CK88613
Pace Project No.: 92753898

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

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.

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 257CK88613
Pace Project No.: 92753898

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92753898001	**01889-WSW-12**	EPA 524.2	883645		
92753898002	**01889-WSW-13**	EPA 524.2	883645		
92753898003	**01889-WSW-DUP**	EPA 524.2	884052		
92753898004	**01889-WSW-FB**	EPA 524.2	884052		
92753898005	**01889-WSW-TRIP BLANK**	EPA 524.2	883645		
92753898001	**01889-WSW-12**	EPA 8260D	883494		
92753898002	**01889-WSW-13**	EPA 8260D	883494		
92753898003	**01889-WSW-DUP**	EPA 8260D	883494		
92753898004	**01889-WSW-FB**	EPA 8260D	883494		
92753898005	**01889-WSW-TRIP BLANK**	EPA 8260D	883494		

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

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

Sample Condition Upon Receipt

Client Name: ATC Group Services

Project #:

WO# : 92753898

92753898

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

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 9/17/24

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

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

Thermometer: ☑ IR Gun ID: 92307L

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.7 **Correction Factor:** Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 2.7

Temp should be above freezing to 6°C

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

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

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: **Date:**

Project Manager SRF Review: **Date:**

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92753898

PM: TMC Due Date: 09/24/24

CLIENT: 92-ATC_Colum

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

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

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

***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client ATC Profile/EZ (circle one) 3197404 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																	CK												
1																	4												
2																	6												
3																	4												
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 DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	ATC Group Services, LLC - Columbia	Contact/Report To:	Brad Hubbard
Street Address:	6904 North Main Street Suite 107 Columbia, SC 29203	Phone #:	
		E-Mail:	brad.hubbard@cneatlas.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	257CK88613	Invoice To:	~~Bob Sutton~~
		Invoice E-Mail:	~~bob.sutton~~@cneatlas.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): South Carolina

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: [1] 1L, [2] 500mL, [3] 250mL, [4] 125mL, [5] 100mL, [6] 40mL vial, [7] EnCore, [8] TerraCore, [9] 90mL, [10] Other

*** Preservative Types: [1] None, [2] HNO3, [3] H2SO4, [4] HCl, [5] NaOH, [6] Zn Acetate, [7] NaHSO4, [8] Sod. Thiosulfate, [9] Ascorbic Acid, [10] MeOH, [11] Other

Lab Use Only

Proj. Mgr: Taylor Cannon

AcctNum. / Client ID:

Table #:

Profile / Template: 9570

Prelog / Bottle Ord. ID: EZ 3152404

Preservation non conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	524.2 MSV SC List	8260 Oxys	Trip Blank-524.2	Trip Blank-8260	Sample Comment
01589-WSW-12	DW	G			9/13/24	1441	6			✓	✓			92753898
WSW-13	"	"			"	1443	"			✓	✓			
WSW-DUP	"	"			"	1443	"			✓	✓			
WSW-FB	"	"			"	1439	"			✓	✓			
TRIP BLK	—	—			—	—	2			✓	✓			

Additional Instructions from Pace*:

Collected By: (Printed Name) Joe Grayson

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	92407	0	2.7		

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Atlas	9/16/24 1352	Pace	9-16-24 / 1352	
Pace	9-16-24 / 1415		9-16-24 1418	Delivered by: [ ] In-Person [ ] Courier
	9.16.24 1800		9/17/24 0800	[ ] FedEx [ ] UPS [ ] Other
				Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

COC Revised BLANK 9/13/24

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		

Explanation for missing and incomplete information?

Project Verifier (signature) 

(print name) H. Brad Hubbard

Date 11/1/2024