Corrective Action System Evaluation
1st Half 2021

Circle K Store # 2720886
UST Site # 01589
4315 Savannah Highway
Ravenel, South Carolina 29470

Submitted for:

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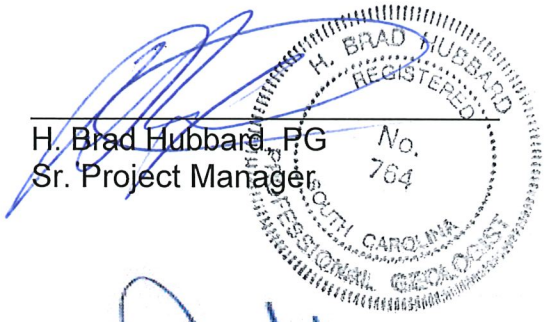
Corrective Action System Evaluation and Monitoring Report
1st Semi-Annual Period 2021
Circle K Store no. 2720886
Release reported 8/2/2018
4315 Savannah Highway
Ravenel (Charleston County), South Carolina
UST Permit No. 01589, CA # 61117
ATC Project No. 257CK88612

Prepared By:



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Underground Storage Tank Site Rehabilitation
Contractor Certification No. 313

June 9, 2021

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1.0 INTRODUCTION

ATC has prepared this Corrective Action System Evaluation (CASE) and Monitoring Report for corrective action of release # 4 (reported August 2, 2018) at the Circle K Store # 2720886, located at 4315 Savannah Highway in Ravenel, Charleston County, South Carolina. The report has been prepared on behalf of the responsible party, Circle K Stores, Inc. The report documents monitoring well gauging and sampling activities, and presents results and performance metrics. The report covers the status of the remedial effort for the first half of 2021, which is the first reporting period since remedial action was initiated.

2.0 SITE DESCRIPTION

2.1 Site Characterization

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

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

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

2.2 Site Background

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

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

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

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

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

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

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

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

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

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

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

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

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

3.0 SITE EVALUATION

Once Phase I injections were completed, the first post-injection sampling event was scheduled.

3.1 Free Product Measurements, Groundwater Flow

Water levels in all monitoring wells associated with the site were measured prior to sampling activities on April 20, 2021. 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. The horizontal gradient, as calculated between wells 01589 MW-15 and 01589 MW-23, is (17.15-13.65 ft.) / 325 ft., or 0.01. The vertical hydraulic gradient, as measured between paired shallow and deep cased wells, was

downward, an average of 0.46 feet. The one exception was a small upward gradient of 0.12 feet between wells 01589 DMW-2 and 01589 MW-22.

LNAPL was encountered in most of the recovery wells (except 01589 RW-4 and 01589 RW-12) and in monitoring wells 01589 MW-6 and 01589 MW-33. LNAPL thicknesses ranged from 0.06 to 0.75 feet. The LNAPL encountered in recovery well RW-11 was black and viscous, and appeared to be a mixture of gasoline product and tar dissolved by the gasoline from the asphalt subbase of the highway.

3.2 Groundwater Sampling and Analyses

Groundwater samples were collected for analysis of chemicals of concern (COCs) on April 21 through 23, 2021. Samples were collected from all existing monitoring wells that were free of LNAPL at the site, including those with no established site-specific target levels (SSTLs). Samples were also collected from recovery wells with no measurable LNAPL.

Monitoring wells in which the static water levels were above the screened interval were purged of standing water prior to sample collection. Removal of three to five well casing volumes was performed on these wells. Measurements of field parameters (temperature, pH, specific conductivity, dissolved oxygen, turbidity) were made and recorded prior to sample collection. Wells in which the static water table was situated within the well's screened interval were sampled without purging, although a measurement of field parameters was made and recorded prior to sample collection. Field data information sheets for all sampled wells are presented in ***Appendix A.*** Water generated during pre-sample purging was placed into steel 55-gallon drums and removed for disposal at a SCDHEC-approved facility. 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.

During the originally-scheduled sampling event, wells 01589 MW-9, 01589 MW-6, and 01589 MW-33 were not sampled, the first well because it was buried beneath soil and was not found. The second two were not sampled due to the accumulation of LNAPL. Following the AFVR treatments conducted subsequent to the Phase I injection program, wells 01589 MW-6 and 01589 MW-33 were able to be sampled on May 13, 2021, as was 01589 MW-9, which was uncovered and accessed.

Duplicate samples were collected from wells 01589 MW-13 (DUP-1), 01589 MW-32 (DUP-2) and 01589 DMW-1 (DUP-3) concurrent with collection of the original samples. Also, an additional duplicate (also named DUP-1) was collected from 01589 MW-6 on May 13, 2021. Field blanks were collected on each sampling day (April 21 and 22, and May 13, 2021) by introduction of de-ionized water provided by the laboratory into an unused bailer, and transferring the water into sample containers. Trip blanks and temperature blanks were also shipped the laboratory, one per sample cooler, for both sampling events. The water samples for all sample dates were transported via courier to a SC-certified analytical laboratory (Pace Analytical, Huntersville, NC) for analysis. Standard chain-of-custody procedures were followed throughout the sampling process.

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

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

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

3.3 Surface Water Sampling and Analysis

Surface water sampling was also performed on April 22, 2012, from the established sampling points set out in the CAP. Surface water sample points are indicated on ***Figure 11***, and includes sample locations situated northeast, north and west of the area of investigation. Samples were collected using either a Teflon dipper or a PVC bailer. Where deep pooled water was encountered the sample was collected through the entire depth profile. During the sampling event, it was observed that sample locations 01589 SW-1, 01589 SW-4, and 01589 SW-5 were dry, and no samples were collected. A quality control duplicate (SW DUP 4) was collected at the same location as 01589 SW-8.

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

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

3.4 Water Well Sampling and Analysis

Selected water supply wells were sampled in accordance with the CAP. Well locations 01589 WSW-12, WSW-13, WSW-15 and WSW-16 were accessed for sampling on April 22, 2020. At that time, it was discovered that the well at location 01589 WSW-15 was out of service and unable to be sampled (based on a conversation with the site owner). Also, it was not possible to sample the well at location 01589 WSW-16 due to a locked gate. This well was successfully sampled on April 29, 2021 after coordination with the property owner.

Water well were sampled through existing plumbing at the well head after allowing an approximate five-minute purge of the system before sample collection. A quality control duplicate was collected from water well 01589 WSW-13 on April 22, 2021. A field blank was also collected on this date at the location of 01589 WSW-13. Trip blanks accompanied the sample shippers on both sample dates.

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

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-13, 01589 MW-32, 01589 DMW-1, 01589 MW-6, surface water location 01589 SW-8, and water 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:

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

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, ***Table 9*** for surface water samples, and ***Table 10*** for water wells. The only instances of the 20% RPD limit being exceeded was for the concentrations of benzene (27%), ethylbenzene (40%), xylenes (81%), and tert-amyl alcohol (tAA) (28%) between sample 015889 MW-32 and 01589 DUP-2, and MTBE (51%) between sample 01589 DMW-3 and 01589 DUP-3. In all cases except benzene and tAA in 01589 MW-32/Dup-2, the concentrations were reported as estimated values (J flag).

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, except for the

oversight of VOCs by 524.2 not being reported for the trip blank for water well sampling on April 29, 2021. 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 considered to be met.

3.3.6 Method Sensitivity

Laboratory method detection limits and reporting limits were reviewed and compared to the limits established in Appendix E of the SCDHEC Programmatic QAPP. The results of the Method Sensitivity analysis are included in ***Tables 8***, ***9***

and ***10***, respectively. The following samples required dilutions due to high concentrations of certain constituents, so the sensitivity limits were not attained: samples from 01589 MW-1, 01589 MW-2, 01589 MW-6 (5/13/2021 sample date), 01589 MW-7, 01589 MW-12, 01589 MW-13, 01589 MW-15, 01589 MW-33 (5/13/2021 sample date), and 01589 RW-12.

4.0 PERFORMANCE METRICS

4.1 Remediation System Operation

Phase I of the BOS 200® injection program was initiated at the site between February 18 and April 8, 2021. A total of 560 injection points were installed within specified treatment zones both on the Circle K site and offsite (US 17 median and north shoulder of US 17). Following the CASE sampling event on April 22 and 23, 2021, AFVR treatments were conducted on all recovery and monitoring well that had measurable LNAPL. Wells 01589 MW-6 and 01589 MW-33, which had LNAPL present prior to the AFVR treatment, were sampled on May 13, 2021 due to successful removal of measurable LNAPL.

4.2 Groundwater COC Level Evaluation

Based on the results of the CASE sampling performed for the 1st half of 2021, the following observations are presented:

- LNAPL remains present in recovery wells at the site, but the levels are diminished especially after the AFVR treatments between April 27 and 29, 2021.
- Dissolved constituent levels have remained stable or slightly diminished compared to pre-injection levels.

The calculation of COC reduction is presented as ***Table 10***. The calculated reduction of current dissolved COC mass relative to initial mass above SSTL mass is only 6.14%. However, SSTLs have not been set for wells 01589 MW-6, and no samples were collected from three surface water locations or one water well, so the calculation is not fully representative at this time.

5.0 SUMMARY

During this reporting period, ATC sampled all monitoring wells associated with the site, including six of the nine surface water locations (three were dry) and three of the four water wells specified in the CAP (one, 01589 WSW-15, has been determined to be decommissioned and will be removed from the sampling program). Phase I of the injection program was focused on LNAPL control, so there was no substantial degradation in dissolved COC levels. Phase II is tentatively scheduled to be initiated mid-2021, and will focus on additional LNAPL capture and dissolved plume reduction.

In accordance with the sampling schedule presented in the CAP, the second semi-annual sampling of all wells will be conducted in October, 2021, 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
01589 MW-2	11/22/2018	21.59	2.0 - 12.0	12.0	NM	4.93	0.00	16.66
	2/12/2019				NM	3.37	0.00	18.22
	2/26/2019				NM	3.83	0.00	17.76
	3/11/2019				NM	4.07	0.00	17.52
	4/25/2019				NM	4.99	0.00	16.60
	7/8/2019				NM	3.78	0.00	17.81
	3/2/2020				2.28	2.30	0.02	19.28
	4/20/2021				NM	4.87	0.00	16.72
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
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
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
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				NM	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
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

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
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			
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
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
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
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
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

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
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
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
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
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
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
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

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* = 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-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
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
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
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
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
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
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

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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
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
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
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
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
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
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
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
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

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

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-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
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
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
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
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
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
01589 RW-1	11/22/2018	21.63	2.0 - 12.0	12.0	NM	4.68	0.00	16.95
	2/26/2019				4.01	4.71	0.70	17.44
	3/11/2019				NM	4.43	0.00	17.20
	4/25/2019				NM	5.15	0.00	16.48
	7/8/2019				NM	4.05	0.00	17.58
	3/2/2020				2.35	3.16	0.81	17.87
	4/20/2021				4.95	5.08	0.13	16.45
01589 RW-2	11/22/2018	21.51	2.0 - 12.0	12.0	NM	4.28	0.00	17.23
	2/26/2019				3.91	3.95	0.04	17.59
	3/11/2019				4.20	4.24	0.04	17.30
	4/25/2019				NM	4.69	0.00	16.82
	7/8/2019				2.22	2.78	0.56	19.14
	4/20/2021				4.34	4.40	0.06	17.15
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

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-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
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
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
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
01589 RW-8	2/26/2019	18.67	3.0-13.0	13.0	2.30	2.31	0.01	16.37
	3/11/2019				2.47	2.48	0.01	16.20
	4/25/2019				3.25	4.36	1.11	15.13
	7/8/2019				2.07	2.37	0.30	16.08
	3/2/2020				0.00	1.35	0.00	17.32
	4/20/2021				3.07	3.60	0.53	14.68
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				0.00	2.24	0.00	17.12
	4/20/2021				3.75	3.87	0.12	15.58
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
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
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

btoc = below top of casing
NM = no measurable product present
NA = not applicable
corrected water table elevation = TOC elev - DTW + (0.74)(product thickness)
* = product thickness measured through use of a bailer

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes,Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		**5.0**	**1,000**	**700**	**10,000**	**40.0**	**25.0**	**5.000**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47.0**	**NE**
01589 MW-1	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
01589 MW-2	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
01589 MW-3	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
01589 MW-4	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
01589 MW-5	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-6	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
01589 MW-7	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
01589 MW-8	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-9	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
01589 MW-10	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-11	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-12	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
01589 MW-13	4/21/2021	**88.7**	83	**2,260**	6,800	<25	**790**	<25	<2,500	<25	<5,000	<2,500	<2,500	<250	<250	<1,250
01589 MW-14	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
01589 MW-15	4/21/2021	**5,310**	**9,510**	**901**	4,410	34.2 J	**151**	<50	<5,000	<50	<10,000	<5,000	<5,000	<500	<500	<2,500
01589 MW-16	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
01589 MW-17	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
01589 MW-18	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
01589 MW-19	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-20	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-21	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-22	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
RBSL		**5.0**	**1,000**	**700**	**10,000**	**40.0**	**25.0**	**5.000**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47.0**	**NE**

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

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes,Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		**5.0**	**1,000**	**700**	**10,000**	**40.0**	**25.0**	**5.000**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47.0**	**NE**
01589 MW-23	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
01589 MW-24	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
01589 MW-25	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
01589 MW-26	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
01589 MW-27	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-28	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
01589 MW-29	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
01589 MW-30	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-31	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
01589 MW-32	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
01589 MW-33	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
01589 MW-34	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-35	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-36	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
01589 MW-37	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
01589 MW-38	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
01589 DMW-1	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
01589 DMW-2	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-3	4/22/2021	<1.0	<1.0	<1.0	<1.0	0.31 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-4	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-5	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 RW-1	4/21/2021	**no sample due to free product**														
01589 RW-2	4/21/2021	**no sample due to free product**														
01589 RW-3	4/21/2021	**no sample due to free product**														
01589 RW-4	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
RBSL		**5.0**	**1,000**	**700**	**10,000**	**40.0**	**25.0**	**5.000**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47.0**	**NE**

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

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes,Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		**5.0**	**1,000**	**700**	**10,000**	**40.0**	**25.0**	**5.000**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47.0**	**NE**
01589 RW-5	4/21/2021	**no sample due to free product**														
01589 RW-6	4/21/2021	**no sample due to free product**														
01589 RW-7	4/21/2021	**no sample due to free product**														
01589 RW-8	4/21/2021	**no sample due to free product**														
01589 RW-9	4/21/2021	**no sample due to free product**														
01589 RW-10	4/21/2021	**no sample due to free product**														
01589 RW-11	4/21/2021	**no sample due to free product**														
01589 RW-12	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
RBSL		**5.0**	**1,000**	**700**	**10,000**	**40.0**	**25.0**	**5.000**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47.0**	**NE**

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

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes,Total	Methyl tert butyl ether	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	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	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	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	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	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	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**														
01589 MW-7	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	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	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	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	--

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-11	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	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	**19 J**	<20	<400	<20	<2,000	<400	**330 J**	<200	18J	<100
	SSTL	7	13	47	25	10	9	--	--	--	1,000	250	382	--	26	--
01589 MW-13	4/21/2021	**88.7**	**83**	**2,260**	**6,800**	<25	**790**	<25	<2,500	<25	<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	**470**	<20	<400	<20	<2,000	<400	<400	<200	<20.0	<100
	SSTL	7	20	490	1,630	5	30	--	--	--	1,000	500	334	--	100	--
01589 MW-14	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	4/21/2021	**5,310**	**9,510**	**901**	4,410	34.2 J	**151**	<50	<5,000	<50	<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	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	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	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	--
01589 MW-19	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	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	--

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Historical Groundwater Results
Circle K 2720886
4315 Savannah Highway
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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-21	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	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	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	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	--
01589 MW-25	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-26	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	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	4/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	<1.0	<1.0	<1.0	<1.0	0.43J	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<10.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-29	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	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	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	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	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	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	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	4/21/2021	1.3	<1.0	4	<1.0	<1.0	0.73 J	<1.0	<100	<1.0	<200	<100	197	<10.0	<10.0	<50.0
	03/04/2020	1.3	10.0	59.9	67	<1.0	7.3	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	**14.5**	102	113	223	<1.0	12.9	<1.0	<100	<1.0	<200	<100	148	<10.0	<10.0	<50.0
	SSTL	6	102	113	223	5	13	--	--	--	1,000	100	148	--	100	--
01589 MW-37	4/22/2021	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	0.65 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-38	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	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	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	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	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	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	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	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	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	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	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**														
01589 RW-6	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	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	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	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	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-11	03/04/2020	**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	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**														
	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 calcilated Site Specific Target Level
Bold concentrations equal or exceed the corresponding SSTL

Table 4
Water Well Analytical Data
1st Half 2021
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L) 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	4/22/2021	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-13	4/22/2021	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-16	4/29/2021	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0

Notes:

Units = µg/L

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

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

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

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

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

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

Units = 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-10	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/20/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-11	7/9/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-12	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	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	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
1st Half 2021
Circle K 2720886
4315 Savannah Highway
Ravenel, Charleston County, South Carolina
UST Permit #01589

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes,Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		**5.0**	**1,000**	**700**	**10,000**	**40.0**	**25.0**	**5.0**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47.0**	**NE**
01589 SW-1	4/22/2021	Not sampled-dry														
01589 SW-2	4/22/2021	<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
01589 SW-3	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
01589 SW-4	4/22/2021	Not sampled-dry														
01589 SW-5	4/22/2021	Not sampled-dry														
01589 SW-6	4/22/2021	<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
01589 SW-7	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
01589 SW-8	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
01589 SW-9	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
RBSL		**5.0**	**1,000**	**700**	**10,000**	**40.0**	**25.0**	**5.0**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47.0**	**NE**

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

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

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		**5.0**	**1,000**	**700**	**10,000**	**40.0**	**25.0**	**5.0**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47.0**	**NE**
01589 SW-1	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	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 SW-2	04/22/2021	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<20.0	<100	<20.0	<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	<1.0	<100	<20	<20	<10	<1.0	<50.0
01589 SW-3	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	<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	<1.0	<100	<20	<20	<10	<1.0	<50
01589 SW-4	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	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	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 SW-6	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	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 SW-7	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	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 SW-8	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	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 SW-9	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	<1.0	<100	<20	<20	<10	<1.0	<5.0
RBSL		**5.0**	**1,000**	**700**	**10,000**	**40.0**	**25.0**	**5.0**	**NE**	**150**	**10,000**	**1,400**	**240**	**128**	**47.0**	**NE**

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

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)								Comments / Notes
		Benzene	Toluene	Ethylbenzene	Xylenes,Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate	
Precision Analysis																	
Precision Limit (RPD %)		**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	
01589 MW-13	4/21/21 @ 1159	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	
01589 DUP-1	4/21/21 @ 1201	97.6	89.7	2,340	7,120	<20.0	865	<20.0	<2,000	<20.0	<4,000	<2,000	<2,000	<200	<200	<1,000	
RPD (%)		10%	8%	3%	5%	---	9%	---	---	---	---	---	---	---	---	---	
01589 MW-32	4/22/21 @ 1024	144	0.59	0.51	2	7.6	2.1	<1.0	<100	<2.0	<200	74.2	222	4.3	7.6	<50.0	T, E, X are estimated (J-flagged)
01589 DUP-2	4/22/21 @ 1026	110	0.53	0.34	0.85	7	<1.0	<1.0	<100	0.55	<200	73.6	167	4.5	8	<50.0	T, E, X are estimated (J-flagged)
RPD (%)		**27%**	11%	**40%**	**81%**	8%	---	---	---	---	---	1%	**28%**	5%	5%	---	
01589 DMW-3	4/22/21 @1125	<1.0	<1.0	<1.0	<1.0	0.31	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	MTBE is estimated (J-flagged)
01589 DUP-3	4/22/21 @1127	<1.0	<1.0	<1.0	<1.0	0.52	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	MTBE is estimated (J-flagged)
RPD (%)		---	---	---	---	**51%**	---	---	---	---	---	---	---	---	---	---	
01589 MW-6	5/13/21 @1343	16,400	28,900	2,190	8,920	1,990	272	<200	<20,000	<200	<40,000	5,410	42,200	<2,000	<2,000	<10,000	
01589 DUP-1	5/13/21 @1345	16,300	28,700	2,180	8,920	1,990	276	<200	<20,000	<200	<40,000	5,430	42,200	<2,000	<2,000	<10,000	
RPD (%)		1%	1%	0%	0%	0%	1%	---	---	---	---	0%	0%	---	---	---	
Bias Analysis																	
01589 FB-1	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	No Errors Indicated
01589 FB-2	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	No Errors Indicated
01589 FB-1	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	No Errors Indicated
01589 Trip 1	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	No Errors Indicated
01589 Trip 2	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	No Errors Indicated
01589 trip blank	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	No Errors Indicated
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-1	4/22/2021	**86.2**	**121**	**76**	**84.5**	**106**	**161**	**80.5**	**13,000**	**77**	**18,000**	**6,700**	**9,100**	**665**	**810**	**7,350**	250 x dilution
01589 MW-2	4/21/2021	**86.2**	**121**	**76**	**84.5**	**106**	**161**	**80.5**	**13,000**	**77**	**18,000**	**6,700**	**9,100**	**665**	**810**	**7,350**	250 x dilution
01589 MW-3	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-4	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-5	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-6	5/13/2021	**69**	**97**	**60.8**	**67.6**	**84.4**	**129**	**64.4**	**10,400**	**61.6**	**14,400**	**5,360**	**7,280**	**532**	**648**	**5,880**	200 x dilution
01589 MW-7	4/21/2021	**34.5**	**48.5**	**30.4**	**33.8**	**42.2**	**64.5**	**32.2**	**5,190**	**30.8**	**7,220**	**2,680**	**3,640**	**266**	**324**	**2,940**	100 x dilution
01589 MW-8	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-9	5/13/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-10	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-11	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-12	4/21/2021	4.3	**6.1**	3.8	4.2	5.3	**8.1**	4	12.5	3.8	902	**335**	**455**	**33.2**	40.5	368	12.5 x dilution
01589 MW-13	4/21/2021	**8.6**	**12.1**	**7.6**	**8.4**	**10.6**	**16.1**	**8**	**1,300**	7.7	**1,800**	**735**	**910**	**66.5**	81	735	25 x dilution
01589 MW-14	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-15	4/21/2021	**17.2**	**24.2**	**15.2**	**16.9**	**21.1**	**32.2**	**16.1**	**2,600**	**15.4**	**3,610**	**1,340**	**1,820**	**133**	**162**	**1,470**	50 x dilution
01589 MW-16	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-17	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-18	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-19	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-20	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	

Units = 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	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-22	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-23	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-24	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-25	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-26	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-27	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-28	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-29	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-30	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-31	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-32	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-33	5/13/2021	**43.1**	**60.6**	**38**	**42.2**	**52.8**	**80.6**	**40.2**	**6,490**	**38.5**	**9,020**	**3,680**	**4,550**	**332**	**405**	**3,680**	125 x dilution
01589 MW-34	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-35	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-36	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-37	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-38	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-1	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-2	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-3	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-4	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-5	4/21/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 RW-4	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 RW-12	4/22/2021	**17.2**	**24.2**	**15.2**	**16.9**	**21.1**	**32.2**	**16.1**	**2,600**	**15.4**	**3,610**	**1,340**	**1,820**	**133**	**162**	**1,470**	50 x dilution

Units = 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	4/22/21 @ 1149	<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	no detections
DUP 1	4/22/21 @ 1151	<0.50	<0.50	<0.50	<1	<20.0	<0.50	<20.0	<100	<20.0	<200	<100	<100	<10.0	<10.0	<50.0	
RPD (%)		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bias Analysis																	
01589 WSW-FB-1	4/22/2021	<0.50	<0.50	0.34	<0.50	<0.50	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	no errors indicated
Trip Blank	4/22/2021	<0.50	<0.50	0.34	<0.50	<0.50	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	no errors indicated
TB/TB2	4/29/2021	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	524.2 VOC not analyzed
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	4/22/2021	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	4/22/2021	0.21	0.2	0.22	0.39/0.22	0.14	0.35	0.16	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 WSW-16	4/29/2021	0.21	0.2	0.22	0.39/0.22	0.14	0.35	0.16	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	

Notes:

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

RBSL = May 15, 2001 Risk Based Screening Level

NE = not established

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

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)								Comments / Notes
		Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	1,2 - Dichloroethane (DCA)	ethyl tert-Butyl alcohol	Di isopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl ethyl ether	ethyl tert-Butyl ether	tert-Butyl formate	
Precision Analysis																	
Precision Limit (RPD %)		**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**	
01589 SW-8	4/22/21 @ 1117	<1.0	<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 DUP 4	4/22/21 @ 1119	<1.0	0.95	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	T is estimated (J-flagged)
RPD (%)		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bias Analysis																	
01589 Trip 3	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	no errors indicated
Method Sensitivity																	
sitivity 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	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-3	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-6	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-7	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-8	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-9	4/22/2021	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	

Notes:

Units = µg/L

RBSL = May 15, 2001 Risk Based Screening Level

NE = not established

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

Table 11
Calculation of COC Reduction
1st Half 2021
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	-----
	4/22/21	Subsequent	13,900	32,200	1730	8,450	1,190	378	0	0	0	0	57,848.00		-----
		SSTL	*6*	*1,324*	*869*	*11,400*	*51*	*28*	*295*	*1,526*	*21,596*	*57*	***37,152.00***	-----	-----
		Subsequent > SSTL	13,894	30,876	861	0	1,139	350	0	0	0	0	-----	-----	47,120.00
01589 MW-2	Initial	Initial	10,000	21,600	1,690	9,250	559	236	16,200	0	0	0	59,535.00	-----	-----
		SSTL	*5*	*1,144*	*775*	*9,250*	*45*	*26*	*264*	*1,453*	*14,610*	*51*	***27,623.00***	-----	-----
		Initial > SSTL	9,995	20,456	915	0	514	210	15,936	0	0	0	-----	48,026.00	-----
	4/21/21	Subsequent	12,100	26,300	1,500	11,100	913	561	37,700	0	0	0	90,174.00	-----	-----
		SSTL	*5*	*1,144*	*775*	*9,250*	*45*	*26*	*264*	*1,453*	*14,610*	*51*	***27,623.00***	-----	-----
		Subsequent > SSTL	12,095	25,156	725	1,850	868	535	37,436	0	0	0	-----	-----	78,665.00
01589 MW-3	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.000	-----
	4/21/21	Subsequent	7.5	0	0	0	0	0	0	0	0	0	7.50	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Subsequent > SSTL	3	0	0	0	0	0	0	0	0	0	-----	-----	2.500
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	-----
	4/22/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00
01589 MW-5	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	4/21/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00
01589 MW-6	Initial	Initial	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data	0.00	-----	-----
		SSTL	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	***0.00***	-----	-----
		Initial > SSTL											-----	0.00	-----
	5/13/21	Subsequent	16,400	28,900	2,190	8,920	1,990	272	5,410	42,200	0	0	106,282.00	-----	-----
		SSTL	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	*No SSTL*	***0.00***	-----	-----
		Subsequent > SSTL											-----	-----	0.00
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	-----
	4/21/21	Subsequent	3,890	17,000	1,550	7,260	0	221	0	0	0	0	29,921.00	-----	-----
		SSTL	*21*	*8,500*	*2,390*	*12,700*	*200*	*67*	*1,247*	*3,356*	*40,000*	*222*	***68,703.00***	-----	-----
		Subsequent > SSTL	3,869	8,500	0	0	0	154	0	0	0	0	-----	-----	12,523.00
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	-----
	4/21/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00
01589 MW-9	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	5/14/21	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

Table 11
Calculation of COC Reduction
1st Half 2021
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	-----
	4/21/21	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	-----
	4/21/21	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	-----
	4/21/21	Subsequent	1,440	28	152	112	11	0	0	0	0	0	1,742.50	-----	-----
		SSTL	*7*	*13*	*47*	*25*	*10*	*9*	*382*	*250*	*1,000*	*26*	***1,769.00***	-----	-----
		Subsequent > SSTL	1,433	15	105	87	1	0	0	0	0	0	-----	-----	1,640.50
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	-----
	4/21/21	Subsequent	89	83	2,260	6,800	0.0	790	0	0	0	0	10021.70	-----	-----
		SSTL	*7*	*20*	*490*	*1,630*	*5*	*30*	*334*	*500*	*1,000*	*100*	***4,116.00***	-----	-----
		Subsequent > SSTL	82	63	1,770	5,170	0	760	0	0	0	0	-----	-----	7,844.70
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	-----
	4/21/21	Subsequent	0	0	0	1.1	0	0.67	0	0	0	0	1.77	-----	-----
		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	-----
	4/21/21	Subsequent	5,310	9510	901	4,410	34	151	0	0	0	0	20,316.20	-----	-----
		SSTL	*7*	*1,534*	*870*	*4,850*	*50*	*29*	*382*	*1,758*	*10,000*	*73*	***19,553.00***	-----	-----
		Subsequent > SSTL	5,303	7,976	31	0	0	122	0	0	0	0	-----	-----	13,432.00
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	-----
	4/21/21	Subsequent	0	0.82	0	0	0	0	0	0	0	0	0.82	-----	-----
		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	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	-----
	4/21/21	Subsequent	0	0.6	0	0	0	0	0	0	0	0	0.60	-----	-----
		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
1st Half 2021
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	-----
	4/21/21	Subsequent	0	0.46	0	0	0	0	0	0	0	0	0.46	-----	-----
		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	-----
	4/21/21	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	-----
	4/21/21	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	-----
	4/21/21	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-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	-----
	4/21/21	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	-----
	4/21/21	Subsequent	0	0	0	0	0.5	0	0	0	0	0	0.50	-----	-----
		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	-----
	4/22/21	Subsequent	0	0	0	0	2.1	0	0	0	0	0	2.10	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00
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	-----
	4/22/21	Subsequent	0	0	0	0	1.2	0	0	0	0	0	1	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00

Table 11
Calculation of COC Reduction
1st Half 2021
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-26	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	4/21/21	Subsequent	0	0	0	0	1.3	0	0	0	0	0	1.30	-----	-----
		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-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	-----
	4/21/21	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	-----
	4/22/2021	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-29	Initial	Initial	2.2	0	0	0	7.4	0	0	0	0	0	9.60	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*7*	*5*	*100*	*100*	*1,000*	*100*	***1,337.00***	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.40	-----
	4/21/21	Subsequent	0.8	0	0	0	45	0	236	92	0	16	390	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*7*	*5*	*100*	*100*	*1,000*	*100*	***1,337.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	38	0	136	0	0	0	-----	-----	174.00
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	-----
	4/21/21	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	-----
	4/22/21	Subsequent	0	0	0	0	0.99	0	0	0	0	0	1	-----	-----
		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	-----
	4/22/21	Subsequent	144	0.59	0.51	2	7.6	2.1	222	74.2	0	0	453	-----	-----
		SSTL	*13*	*9*	*10*	*17*	*11*	*2*	*284*	*200*	*1,000*	*100*	***1,646.00***	-----	-----
		Subsequent > SSTL	131	0	0	0	0	0	0	0	0	0	-----	-----	131.10
01589 MW-33	Initial	Initial	4,180	13,200	1,760	8,670	57.5	356	0	0	0	0	27,867.50	-----	-----
		SSTL	*6*	*1,205*	*759*	*11,013*	*57*	*26*	*265*	*1,795*	*25,000*	*56*	***40,182.00***	-----	-----
		Initial > SSTL	4,174	11,995	1,001	0	1	330	0	0	0	0	-----	17,500.50	-----
	5/13/2021	Subsequent	9,730	22,900	1,760	7,870	273	194	8,710	0	0	0	51,437	-----	-----
		SSTL	*6*	*1,205*	*759*	*11,013*	*57*	*26*	*265*	*1,795*	*25,000*	*56*	***40,182.00***	-----	-----
		Subsequent > SSTL	9,724	21,695	1,001	0	216	168	8,445	0	0	0	-----	-----	41,249.00

Table 11
Calculation of COC Reduction
1st Half 2021
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	-----
	4/21/21	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	-----
	4/21/21	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	-----
	4/21/21	Subsequent	1	0	4	0	0	0.73	197	0	0	0	203	-----	-----
		SSTL	*6*	*102*	*113*	*223*	*5*	*13*	*148*	*100*	*1,000*	*100*	***1,810.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	49	0	0	0	-----	-----	49.00
01589 MW-37	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	*5*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,335.00***	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	4/21/21	Subsequent	2.8	0	0	0	0	0	0	0	0	0	3	-----	-----
		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-38	Initial	Initial	73.6	0	0	0	11.2	0	138	0	0	0	222.80	-----	-----
		SSTL	*74*	*5*	*5*	*2*	*11*	*5*	*138*	*100*	*1,000*	*100*	***1,440.00***	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.20	-----
	4/21/21	Subsequent	10	0	0	0	3.7	0	0	0	0	0	14	-----	-----
		SSTL	*74*	*5*	*5*	*2*	*11*	*5*	*138*	*100*	*1,000*	*100*	***1,440.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00
01589 DMW-1	Initial	Initial	7.1	1.1	1.1	0	0	0	0	0	0	0	9.30	-----	-----
		SSTL	*7*	*6*	*6*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,339.00***	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.10	-----
	4/21/21	Subsequent	0	0	0	0	0.43	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	-----
	4/21/21	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	-----
	4/22/21	Subsequent	0	0	0	0	0.31	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-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	-----
	4/21/21	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

Table 11
Calculation of COC Reduction
1st Half 2021
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	-----
	4/21/21	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	-----
	4/22/21	Subsequent	0.8	0	0	0	0	0	0	0	0	0	1	-----	-----
		SSTL	*3*	*5*	*5*	*10*	*5*	*5*	*100*	*100*	*1,000*	*100*	***1,333.00***	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00
01589 RW12	Initial	Initial	4,360	6,410	556	5,080	236	170	5,030	0	0	0	21,842.00	-----	-----
		SSTL	*5*	*1,144*	*556*	*5,080*	*45*	*26*	*264*	*1,453*	*10,000*	*51*	***18,624.00***	-----	-----
		Initial > SSTL	4,355	5,266	0	0	191	144	4,766	0	0	0	-----	9,956.00	-----
	4/22/21	Subsequent	7,280	3620	542	4,630	261	123	11,100	0	0	184	27,556	-----	-----
		SSTL	*5*	*1,144*	*556*	*5,080*	*45*	*26*	*264*	*1,453*	*10,000*	*51*	***18,624.00***	-----	-----
		Subsequent > SSTL	7,275	2,476	0	0	216	97	10,836	0	0	133	-----	-----	21,033.00
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	-----
	4/22/21	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	-----
	4/22/21	Subsequent											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 WSW15	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	-----
	4/22/21	Subsequent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0	-----	-----
		SSTL	*0.5*	*0.5*	*0.5*	*0.5*	*5*	*2*	*100*	*100*	*1,000*	*100*	***1,309.00***	-----	-----
		Subsequent > SSTL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-----	-----	0.00
01589 WSW16	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	*0.5*	*0.5*	*0.5*	*0.5*	*5*	*2*	*100*	*100*	*1,000*	*100*	***1,309.00***	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	4/29/21	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	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	-----
	4/22/21	Subsequent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0	-----	-----
		SSTL	*2*	*2*	*2*	*6*	*5*	*2*	*100*	*100*	*1,000*	*100*	***1,319.00***	-----	-----
		Subsequent > SSTL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-----	-----	0.00

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

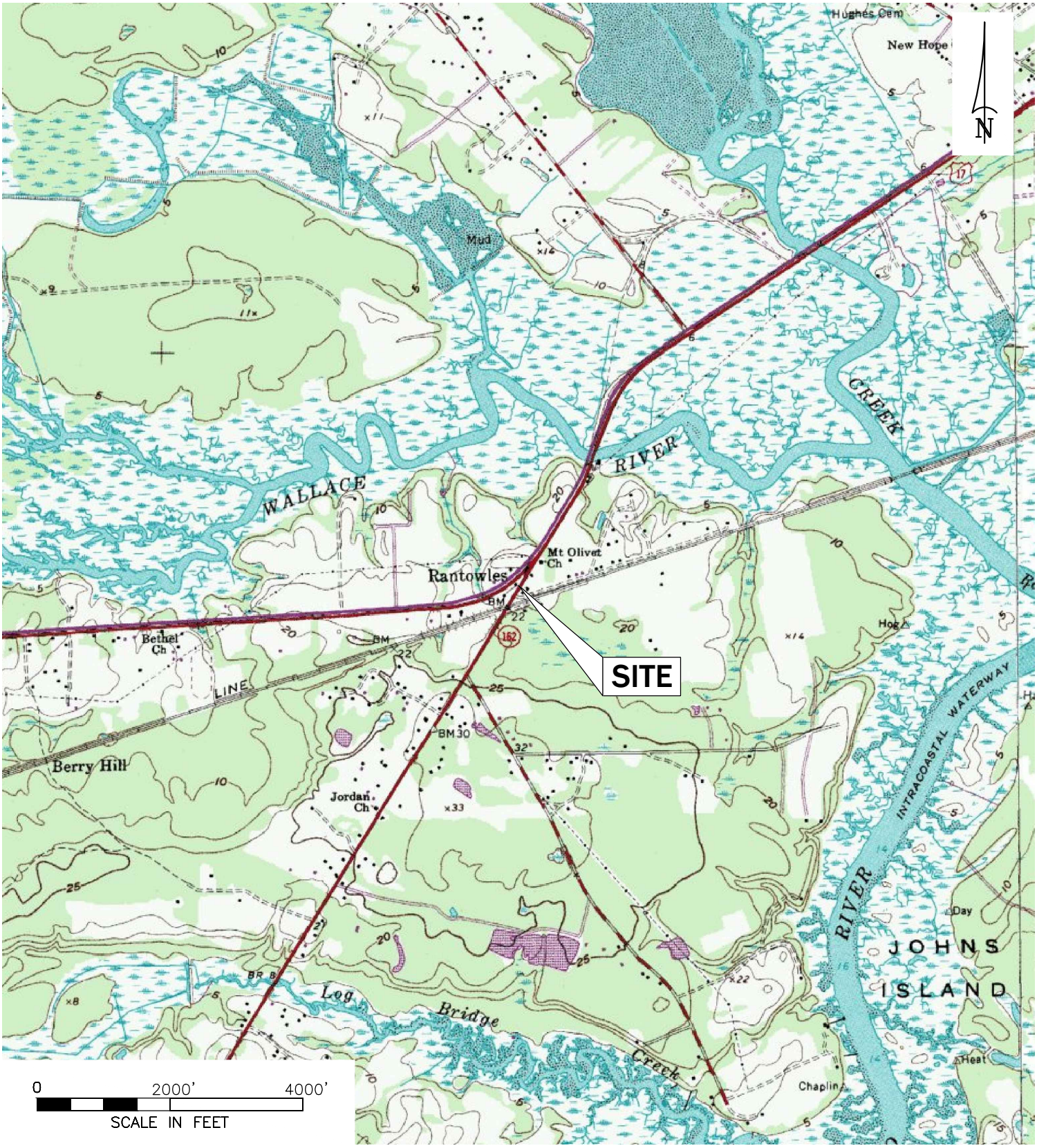
Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSTL Mass	Subsequent Concentration > SSTL Mass
01589 SW02	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		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	-----
	4/22/21	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	-----
	4/22/21	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	-----
	4/22/21	Subsequent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0	-----	-----
		SSTL	*2*	*2*	*2*	*6*	*5*	*2*	*100*	*100*	*1,000*	*100*	***1,319.00***	-----	-----
		Subsequent > SSTL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-----	-----	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	-----
	4/22/21	Subsequent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0	-----	-----
		SSTL	*2*	*2*	*2*	*6*	*5*	*2*	*100*	*100*	*1,000*	*100*	***1,319.00***	-----	-----
		Subsequent > SSTL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-----	-----	0.00
01589 SW06	Initial	Initial	0	2	4.3	32.6	0	1.8	0	0	0	0	40.70	-----	-----
		SSTL	*2*	*2*	*4*	*33*	*5*	*2*	*100*	*100*	*1,000*	*100*	***1,348.00***	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	-----	0.30	-----
	4/22/21	Subsequent	0	0.67	1.2	4.4	0	0	0	0	0	0	6	-----	-----
		SSTL	*2*	*2*	*4*	*33*	*5*	*2*	*100*	*100*	*1,000*	*100*	***1,348.00***	-----	-----
		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	-----
	4/22/21	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	-----
	4/22/21	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	-----
	4/22/21	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 used.

	188,298.50
	176,743.80
	6.14%

FIGURES

SOURCE FILE: USGS TOPOGRAPHIC MAP RAVENEL 1971 .



TITLE FIGURE 1

UST PERMIT #01589

SITE TOPOGRAPHIC MAP
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

ATLAS ATC AN ATLAS COMPANY
6904 North Main Street, Suite 107
Columbia, South Carolina 29203
(803) 735-0003 FAX (803) 741-2444

CAD FILE		PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1252215.dwg		WH		1"=2000''	06/03/2021	25788612

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

- BENCHMARK
- TELEPHONE PEDESTAL
- STORM DRAIN MAN HOLE
- TELEPHONE HAND HOLE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- SIGNAL POLE
- POWER POLE
- LIGHT POLE
- UNDERGROUND STORAGE TANK FILL
- ROLL TOP CATCH BASIN
- SIGN
- SANITARY SEWER CLEAN OUT
- TRAFFIC SIGNAL HAND HOLE
- DROP INLET
- TRAFFIC SIGNAL CONTROL BOX
- OVERHEAD ELECTRIC LINE
- WATER LINE
- FIBER OPTIC LINE
- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL

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Columbia, South Carolina 29203
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PROJECT NO. 25788612
DATE 06/03/2021
SCALE 1"=90'
PREP. BY BH
REV. BY
TYPE CODE
CAD FILE 1252215.dwg

UST PERMIT #01589
RECOVERY WELL NETWORK
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

TITLE FIGURE 2
SITE MAP WITH MONITORING & RECOVERY WELL NETWORK

NOTES:

06/08/2021 12:13pm — Steve Thompson — H:\125 - ATC__1252215_p1-06-03-21.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

MONITORING WELL (TYPE II)

MONITORING WELL (TYPE III)

RECOVERY WELL

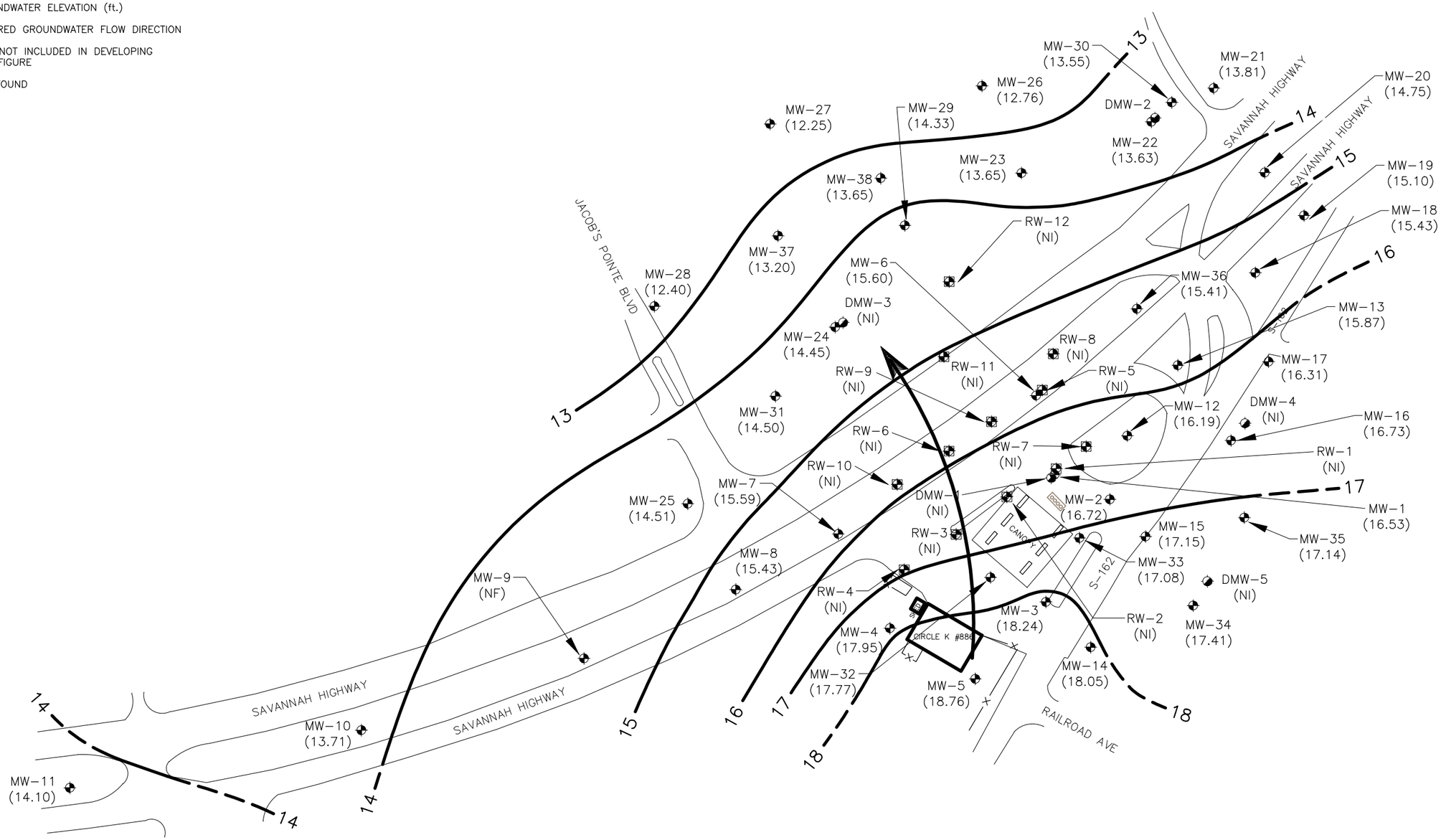
16 GROUNDWATER ELEVATION CONTOUR (ft.)

(15.43) GROUNDWATER ELEVATION (ft.)

INFERRED GROUNDWATER FLOW DIRECTION

(NI) DATA NOT INCLUDED IN DEVELOPING THIS FIGURE

(NF) NOT FOUND



0 90' 180'

SCALE IN FEET

N

NOTES:
1. GROUNDWATER ELEVATIONS WERE MEASURED ON 04/20/2021.

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

UST PERMIT #01589

CAD FILE 1252215.dwg

TYPE CODE

PREP. BY BH

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SCALE 1"=90'

DATE 06/03/2021

PROJECT NO. 25788612

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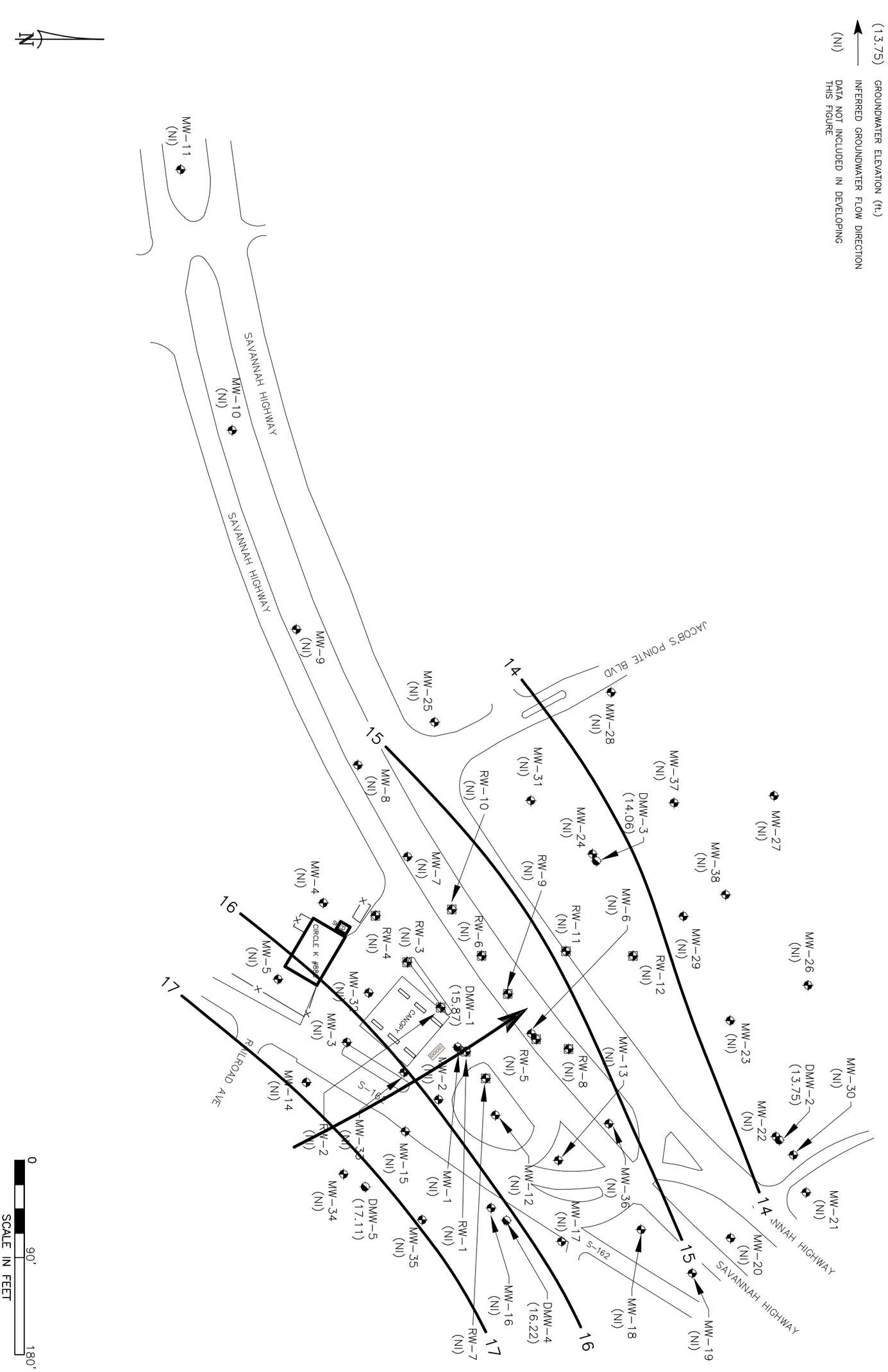
06/08/2021 12:13pm – Steve Thompson – H:\125 – ATC__1252215_p1-06-03-21.dwg



NOTES:
1. GROUNDWATER ELEVATIONS WERE MEASURED ON 04/20/2021.

TITLE FIGURE 4 — UST PERMIT #01589

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

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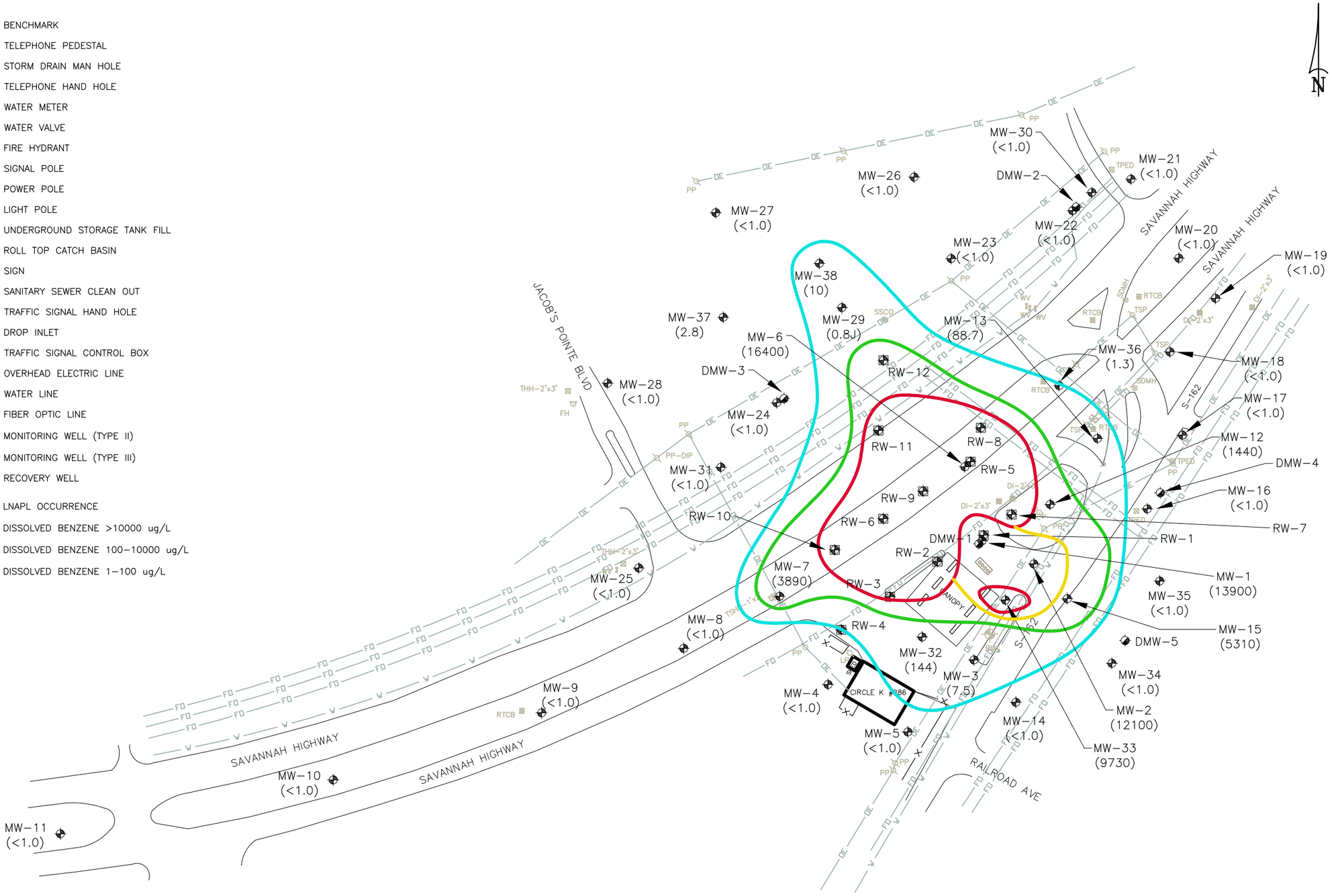
CAD FILE	TYPE CODE	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1252215.dwg		BH		1"=90'	06/03/2021	25788612

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
- LNAPL OCCURRENCE
- DISSOLVED BENZENE >10000 ug/L
- DISSOLVED BENZENE 100–10000 ug/L
- DISSOLVED BENZENE 1–100 ug/L



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DATE 06/03/2021

SCALE 1"=90'

REV. BY

PREP. BY BH

TYPE CODE

CAD FILE 1252215.dwg

UST PERMIT #01589

TITLE FIGURE 5

BENZENE ISOPLETH MAP FOR GROUNDWATER - APRIL 2021

CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

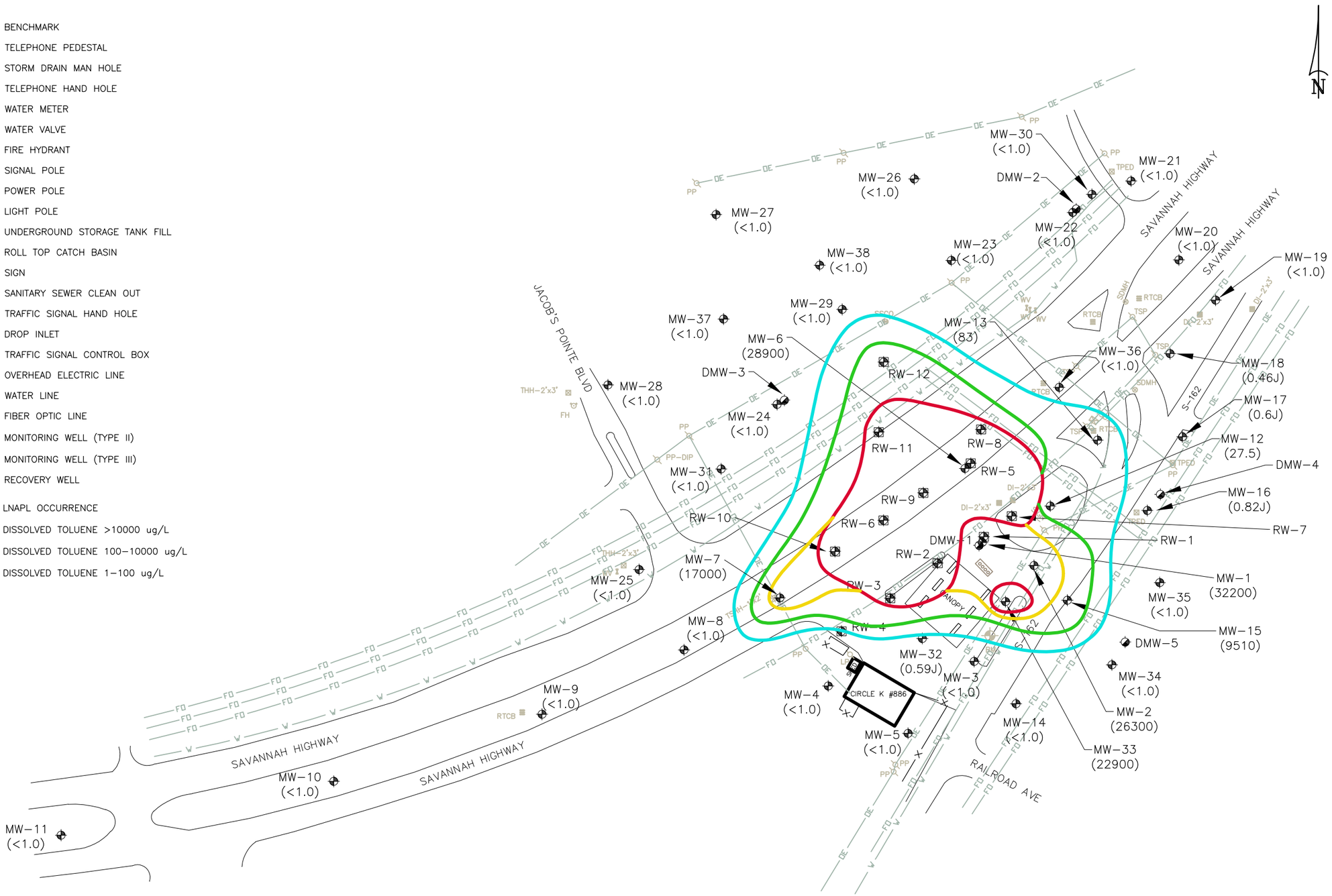
NOTES:

06/08/2021 3:18pm – Steve Thompson – H:\125 – ATC__1252215_p1–06–03–21.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

BENCHMARK
TELEPHONE PEDESTAL
STORM DRAIN MAN HOLE
TELEPHONE HAND HOLE
WATER METER
WATER VALVE
FIRE HYDRANT
SIGNAL POLE
POWER POLE
LIGHT POLE
UNDERGROUND STORAGE TANK FILL
ROLL TOP CATCH BASIN
SIGN
SANITARY SEWER CLEAN OUT
TRAFFIC SIGNAL HAND HOLE
DROP INLET
TRAFFIC SIGNAL CONTROL BOX
OVERHEAD ELECTRIC LINE
WATER LINE
FIBER OPTIC LINE
MONITORING WELL (TYPE II)
MONITORING WELL (TYPE III)
RECOVERY WELL

LNAPL OCCURRENCE
DISSOLVED TOLUENE >10000 ug/L
DISSOLVED TOLUENE 100–10000 ug/L
DISSOLVED TOLUENE 1–100 ug/L



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PROJECT NO. 25788612
DATE 06/03/2021
SCALE 1"=90'
REV. BY
PREP. BY BH
TYPE CODE
CAD FILE 1252215.dwg

UST PERMIT #01589
GROUNDWATER - APRIL 2021

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

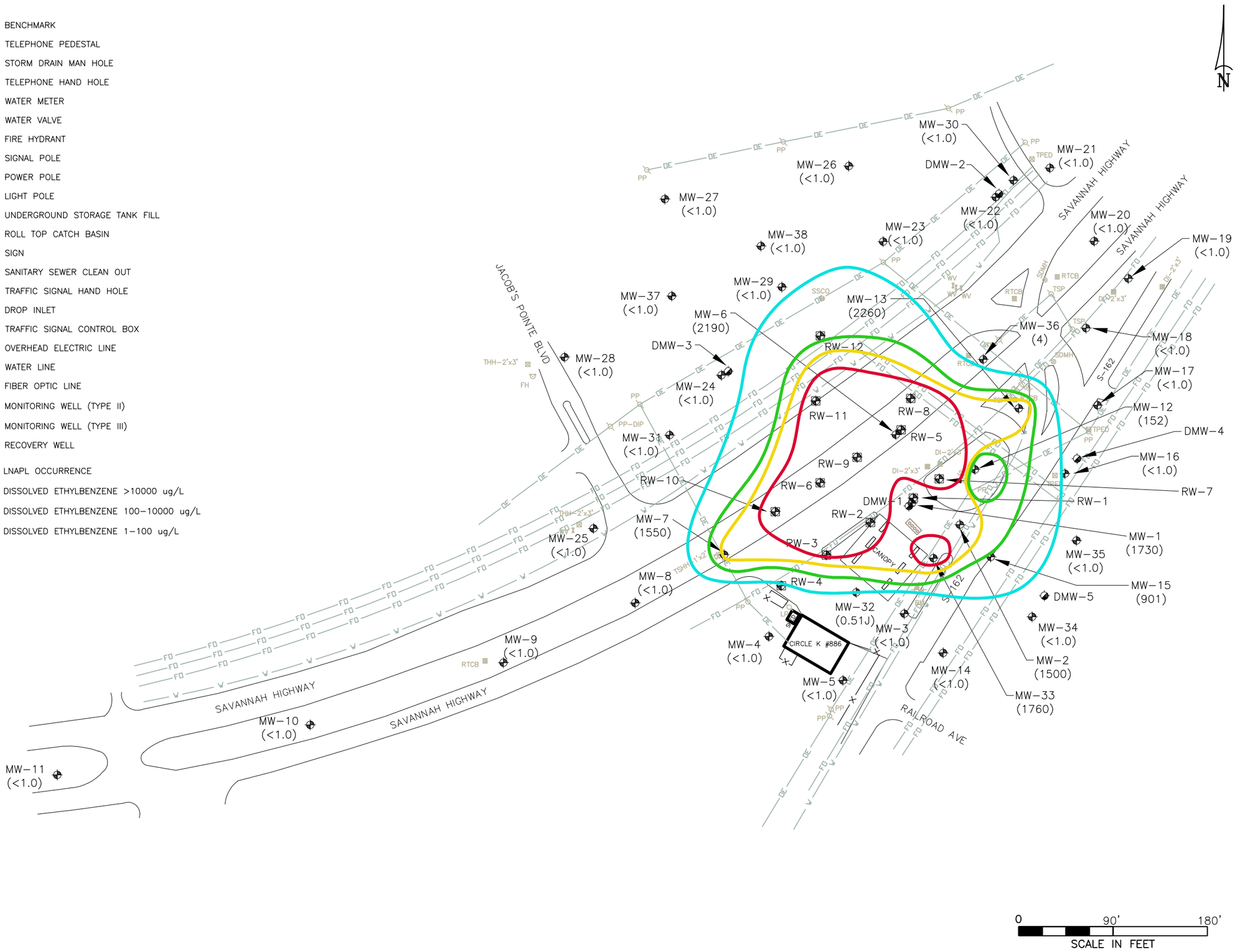
NOTES:

06/08/2021 3:25pm — Steve Thompson — H:\125 — ATC___1252215_p1-06-03-21.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

BENCHMARK
TELEPHONE PEDESTAL
STORM DRAIN MAN HOLE
TELEPHONE HAND HOLE
WATER METER
WATER VALVE
FIRE HYDRANT
SIGNAL POLE
POWER POLE
LIGHT POLE
UNDERGROUND STORAGE TANK FILL
ROLL TOP CATCH BASIN
SIGN
SANITARY SEWER CLEAN OUT
TRAFFIC SIGNAL HAND HOLE
DROP INLET
TRAFFIC SIGNAL CONTROL BOX
OVERHEAD ELECTRIC LINE
WATER LINE
FIBER OPTIC LINE
MONITORING WELL (TYPE II)
MONITORING WELL (TYPE III)
RECOVERY WELL

LNAPL OCCURRENCE
DISSOLVED ETHYLBENZENE >10000 ug/L
DISSOLVED ETHYLBENZENE 100–10000 ug/L
DISSOLVED ETHYLBENZENE 1–100 ug/L



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PROJECT NO. 25788612
DATE 06/03/2021
SCALE 1"=90'
REV. BY
PREP. BY BH
TYPE CODE
CAD FILE 1252215.dwg

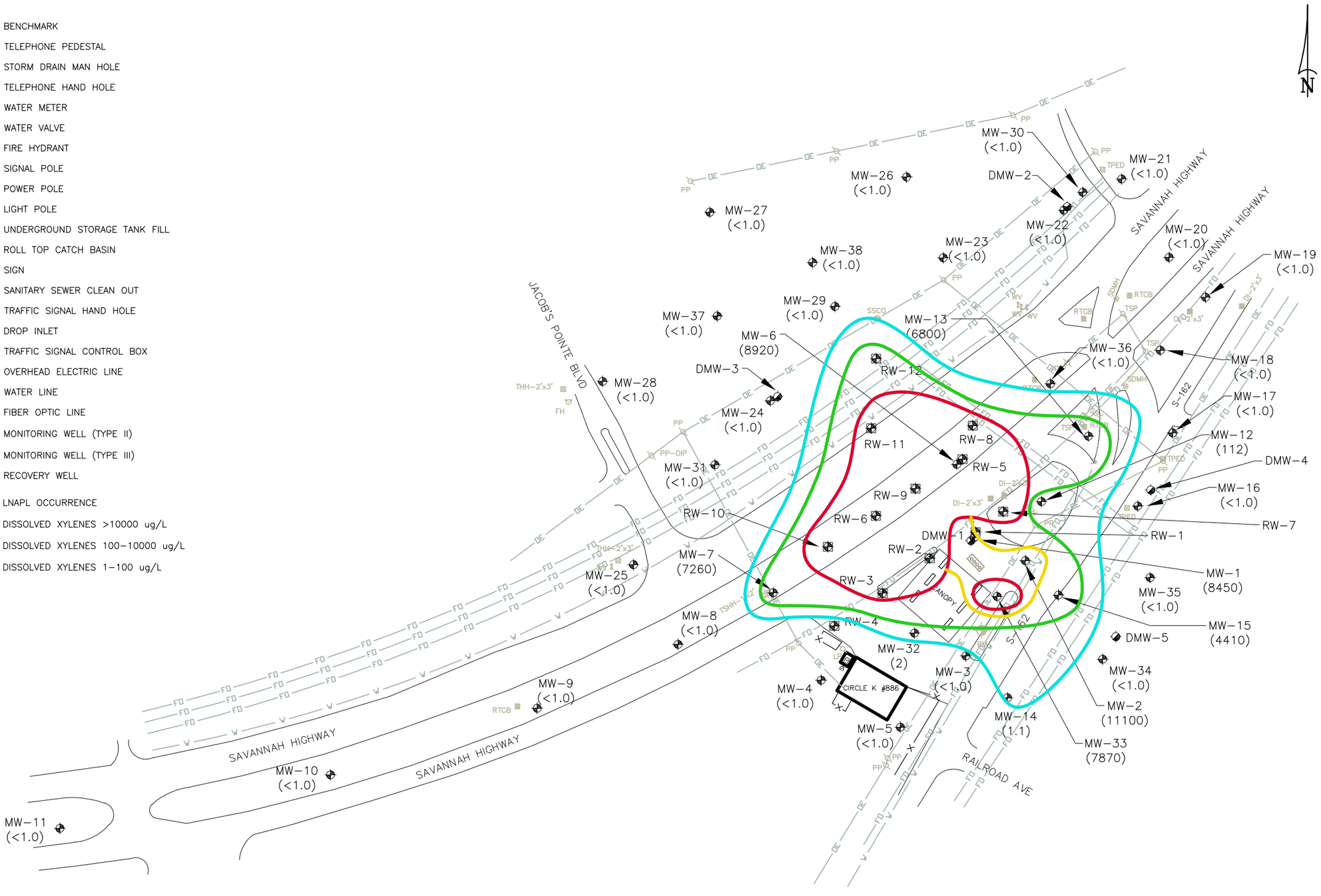
TITLE FIGURE 7
ETHYLBENZENE ISOPLETH MAP FOR GROUNDWATER - APRIL 2021
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA
UST PERMIT #01589

NOTES:

06/08/2021 3:30pm - Steve Thompson - H:\125 - ATC__1252215_p1-06-03-21.dwg

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
- LNAPL OCCURRENCE
- DISSOLVED XYLENES >10000 ug/L
- DISSOLVED XYLENES 100–10000 ug/L
- DISSOLVED XYLENES 1–100 ug/L



NOTES:

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SCALE	1"=90'
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TYPE CODE	
CAD FILE	1252215.dwg

TITLE FIGURE 8
XYLENES ISOPLETH MAP FOR GROUNDWATER - APRIL 2021
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

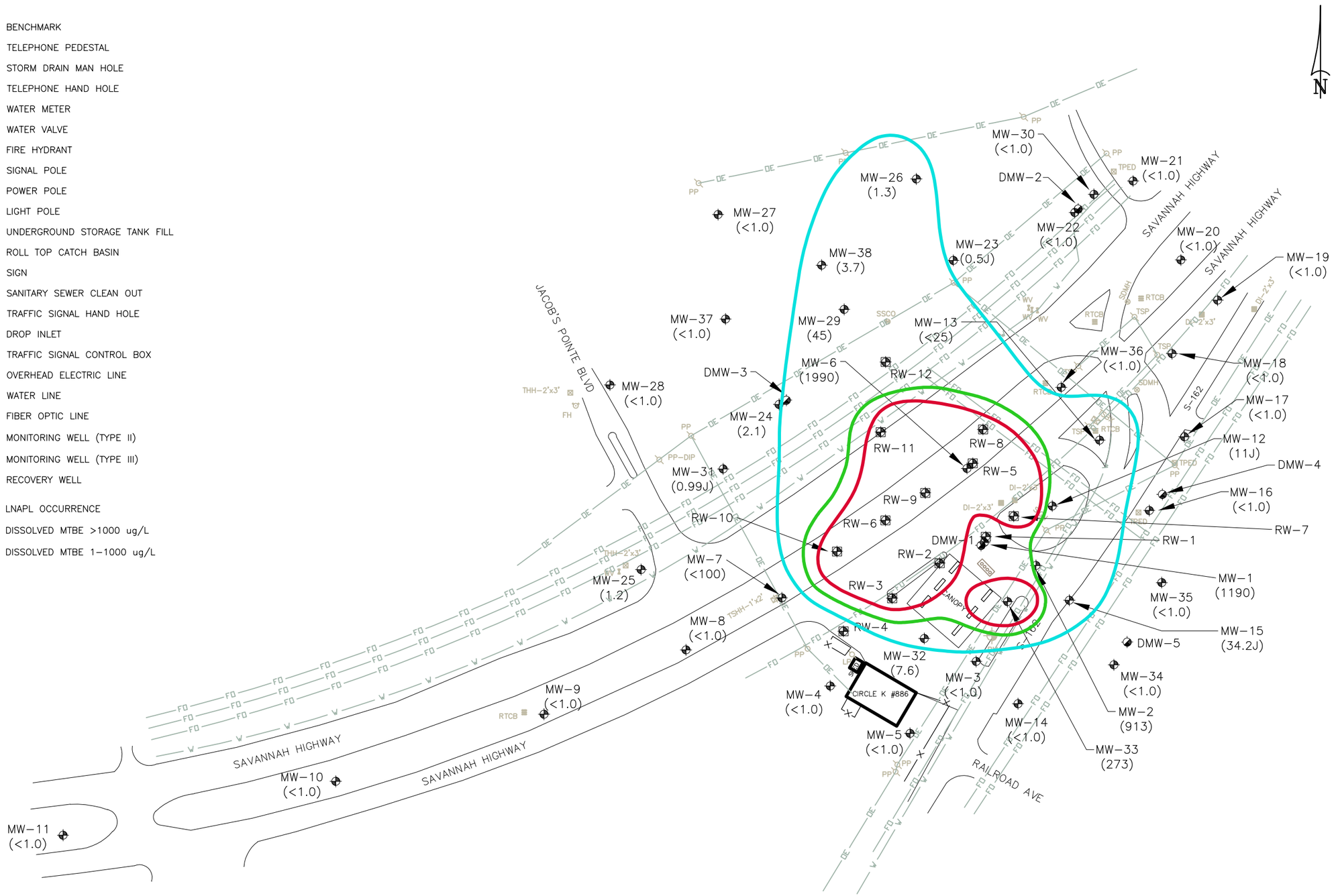
UST PERMIT #01589

06/08/2021 3:40pm — Steve Thompson — H:\125 — ATC__1252215_p1-06-03-21.dwg

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

LNAPL OCCURRENCE
DISSOLVED MTBE >1000 ug/L
DISSOLVED MTBE 1-1000 ug/L



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PROJECT NO.	DATE	SCALE	REV. BY
25788612	06/03/2021	1"=90'	

UST PERMIT #01589
QUARTER - APRIL 2021

TITLE **FIGURE 9**
MTBE ISOPLETH MAP FOR GROUNDWATER -
CIRCLE K #272886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

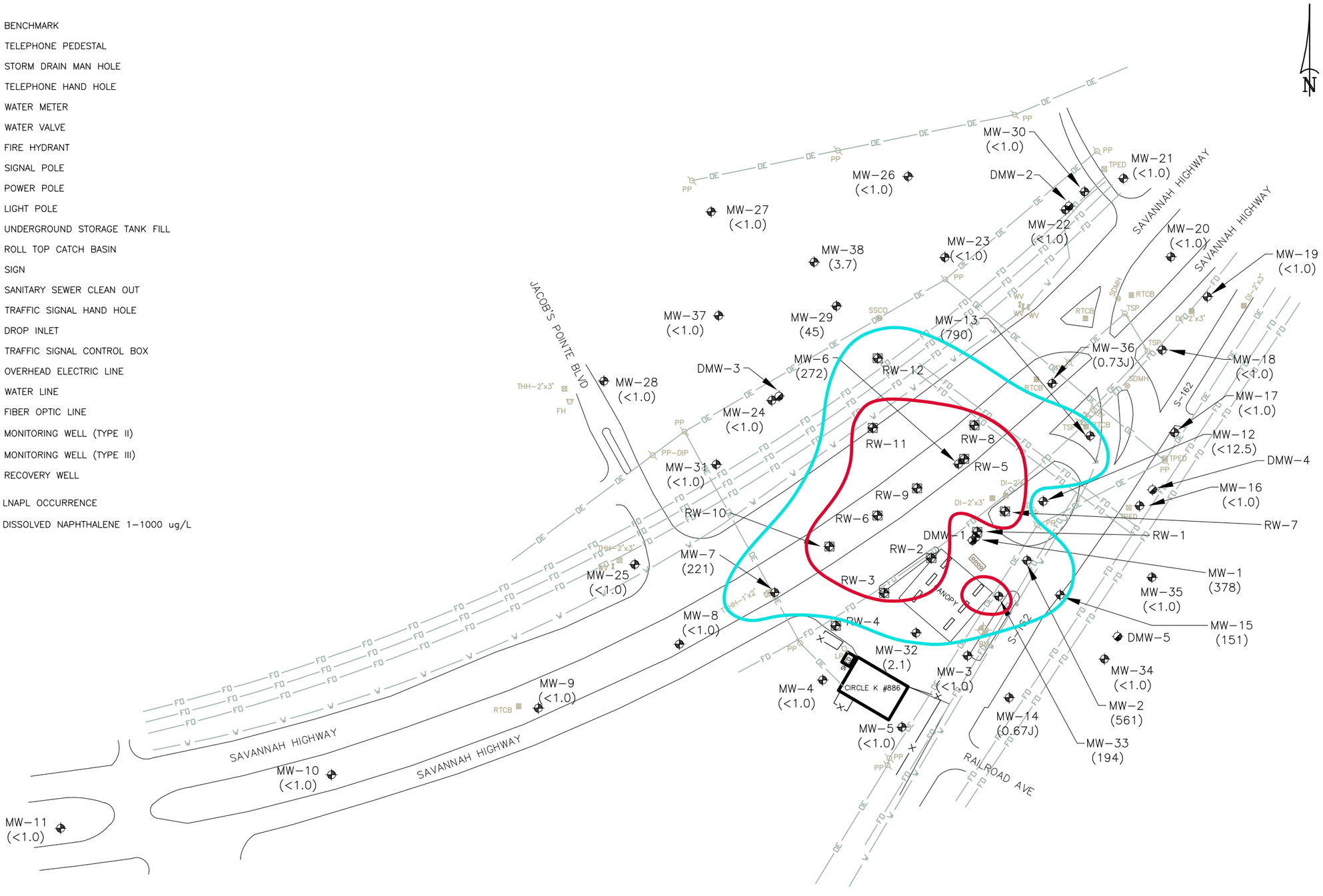
PREP. BY	TYPE CODE	CAD FILE
BH		1252215.dwg

NOTES:

06/08/2021 3:38pm - Steve Thompson - H:\125 - ATC__1252215_p1-06-03-21.dwg

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
- LNAPL OCCURRENCE
- DISSOLVED NAPHTHALENE 1–1000 ug/L



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(803) 735-0003 FAX (803) 741-2444

PROJECT NO. 25788612
DATE 06/03/2021
SCALE 1"=90'
REV. BY
PREP. BY BH
TYPE CODE
CAD FILE 1252215.dwg

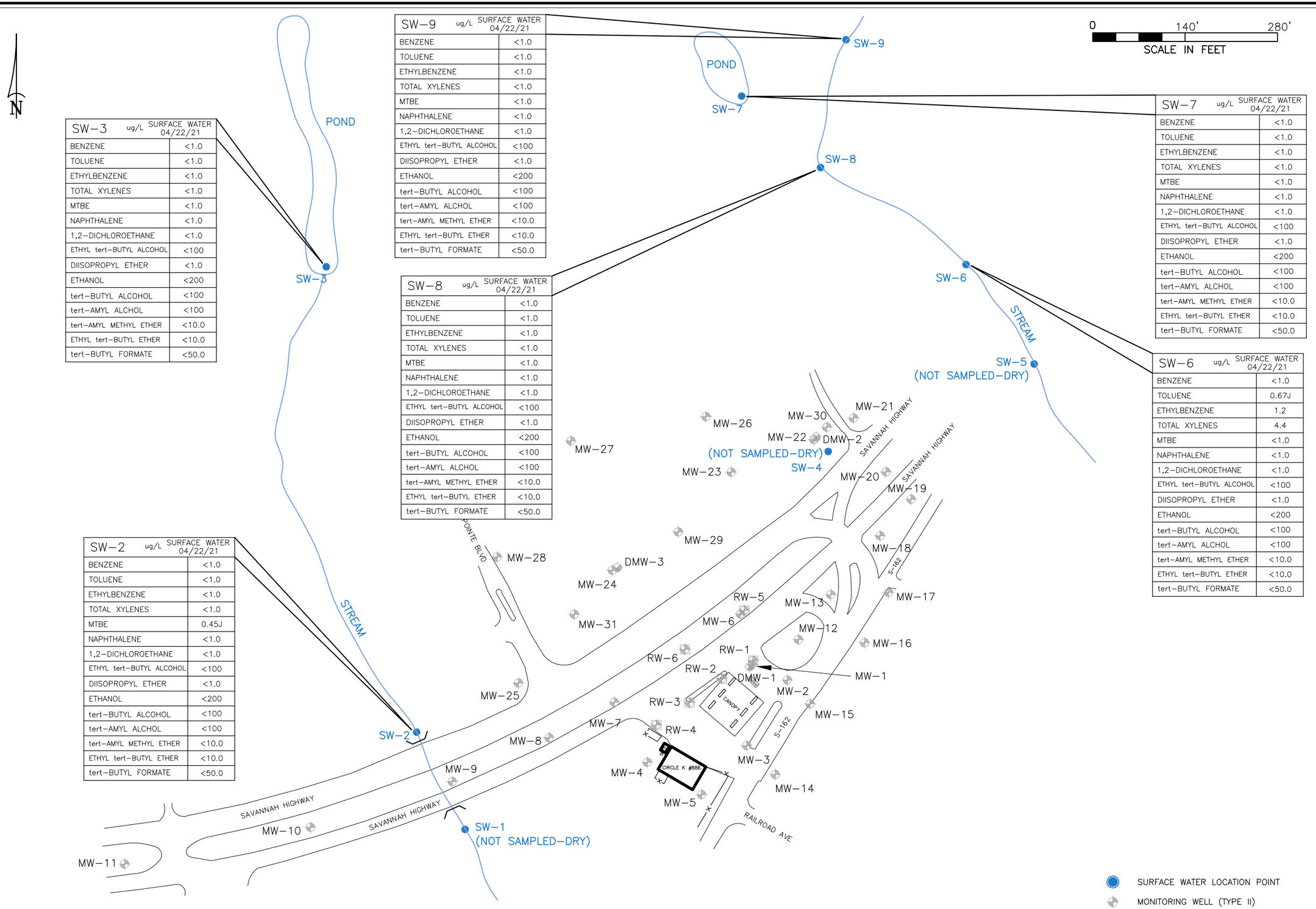
UST PERMIT #01589
GROUNDWATER - APRIL 2021

TITLE **FIGURE 10**
NAPHTHALENE ISOPLETH MAP FOR GROUNDWATER
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

NOTES:

06/08/2021 3:43pm — Steve Thompson — H:\125 — ATC__1252215_p1-06-03-21.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.



SW-3 ug/L	SURFACE WATER 04/22/21
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 04/22/21
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 04/22/21
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 04/22/21
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 04/22/21
BENZENE	<1.0
TOLUENE	0.67J
ETHYLBENZENE	1.2
TOTAL XYLENES	4.4
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 04/22/21
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	0.45J
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

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

NOTES:

ATLAS ATC — AN ATLAS COMPANY
6904 North Main Street, Suite 107
Columbia, South Carolina 29203
(803) 735-0003 FAX (803) 741-2444

PROJECT NO. 25788612
DATE 06/03/2021
SCALE 1"=140'
REV. BY
PREP. BY BH
TYPE CODE
CAD FILE 1252215.dwg

TITLE FIGURE 11
SURFICIAL WATER SAMPLE RESULTS
CIRCLE K #2720886
4315 SAVANNAH HIGHWAY
RAVENEL, SOUTH CAROLINA

06/08/2021 3:58pm - Steve Thompson - H:\125 - ATC___1252215_p2-06-03-21.dwg

SOURCE FILE: GOOGLE EARTH PRO / EXISTING DWG 2007.

0 140' 280'
SCALE IN FEET

WSW-12 ug/L	SURFACE WATER 04/22/21
BENZENE	<0.50
TOLUENE	<0.50
ETHYLBENZENE	<0.50
TOTAL XYLENES	<0.50
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-16 ug/L	SURFACE WATER 04/22/21
BENZENE	<0.50
TOLUENE	<0.50
ETHYLBENZENE	<0.50
TOTAL XYLENES	<1.0
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	SURFACE WATER 04/22/21
BENZENE	<0.50
TOLUENE	<0.50
ETHYLBENZENE	<0.50
TOTAL XYLENES	<0.50
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-15 (DECOMMISSIONED)
WSW-16
WSW-12
WSW-13
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
MW-13
MW-14
MW-15
MW-16
MW-17
MW-18
MW-19
MW-20
MW-21
MW-22
MW-23
MW-24
MW-25
MW-26
MW-27
MW-28
MW-29
MW-30
MW-31
DMW-1
DMW-2
DMW-3
RW-1
RW-2
RW-3
RW-4
RW-5
RW-6
CANOPY
CIRCLE K #2720886
SAVANNAH HIGHWAY
JACOB'S POINTE BLVD
RAILROAD AVE
S-162

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

NOTES:

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

CAD FILE 1252215.dwg
TYPE CODE
PREP. BY BH
REV. BY
SCALE 1"=140'
DATE 06/03/2021
PROJECT NO. 25788612

ATLAS ATC — AN ATLAS COMPANY —
6904 North Main Street, Suite 107
Columbia, South Carolina 29203
(803) 735-0003 FAX (803) 741-2444

06/08/2021 4:04pm - Steve Thompson - H:\125 - ATC___1252215_p2-06-03-21.dwg

APPENDIX A

FIELD DATA SHEETS

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

Site Information

(DHEC0886xx)

Date: 4 / 22/2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 50's

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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- 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~~	Screened Interval (ft.): 2 - 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 5.09	Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):	5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1047							1047
PH (s.u.)	4.83							4.83
Specific Conductivity (µS/cm)	3360							3360
Water Temperature (°C)	21.84							21.84
Turbidity (NTU)	15.2							15.2
Dissolved Oxygen (mg/L)	5.86							5.86

Sampling Data

Sampled By: J. Gray	Sampling Time: 1047	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: GRAB

Signature: Joseph Gray

Total Gallons: —

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

Site Information

(DHEC0886xx)

Date: 4 /21 /2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 80's

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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.):	Depth to Groundwater (DGW) (ft.): 7.87		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1359							1359
PH (s.u.)	4.91							4.91
Specific Conductivity (µS/cm)	660							660
Water Temperature (°C)	24.13							24.13
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	0.01							0.01

Sampling Data

Sampled By: J. Gray	Sampling Time: 1359	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Joseph Gray

Total Gallons: —

Conway

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

Site Information

(DHEC0886xx)

Date: 4 / 2 / 2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 80's

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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.):	Depth to Groundwater (DGW) (ft.): ~~DTB~~ 4-70		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1344							1344
PH (s.u.)	5.32							5.32
Specific Conductivity (µS/cm)	1520							1520
Water Temperature (°C)	23.07							23.07
Turbidity (NTU)	4.8							4.8
Dissolved Oxygen (mg/L)	0.48							0.48

Sampling Data

Sampled By: J. Gray	Sampling Time: 1344	Duplicate: Y or N	If yes, Duplicate Time:

Notes:

Signature: Joseph Gray

Total Gallons: —

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4 / 22 /2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 50's

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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.): 2 - 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 9.85		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	0951							0951
PH (s.u.)	6.33							6.33
Specific Conductivity (µS/cm)	319							319
Water Temperature (°C)	17.44							17.44
Turbidity (NTU)	4.9							4.9
Dissolved Oxygen (mg/L)	1.78							1.78

Sampling Data

Sampled By: J. Gray	Sampling Time: 0951	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: 6 grabs

Signature: Joseph Gray

Total Gallons: —

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4 / 21 /2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 80's

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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 - 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 4.81		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1326							1326
PH (s.u.)	6.37							6.37
Specific Conductivity (µS/cm)	243							243
Water Temperature (°C)	21.90							21.90
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	2.92							2.92

Sampling Data

Sampled By: J. Gray	Sampling Time: 1326	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Joseph Gray

Total Gallons: —

Circle K

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 04/21/21	Site ID #: UST 01589	Site Name: Circle K 2720886	Field Personnel: E. Moore, J. Gray
County: Charleston	Project Manager: Brad Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74

Quality Assurance

Meter Name	Serial #: 16430SRO	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-7	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: - Bailer Pump
- MW IW RW Other_ - Private WSW Public WSW		Screened Interval (ft.): 2 to 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 3.96		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 8.04	1 casing volume (CV = LWC x C) (gals.): 1.33		3 casing volumes (3 x CV) (gals.): 4.00

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1134							1134
PH (s.u.)	3.84							3.84
Specific Conductivity (µS/cm)	2.93							2.93
Water Temperature (°C)	22.86							22.86
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	8.27							8.27

Sampling Data

Sampled By: E. Moore	Sampling Time: 1134	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Gray

Signature: [signature]

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/21/21	Site ID #: UST 01589	Site Name: Circle K 2720886	Field Personnel: E. Moore, J. Gray
County: Charleston	Project Manager: Bart Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74°

Quality Assurance

Meter Name	Serial #: 16430SRU	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: BMW8	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: - Bailer Pump
- MW IW RW Other_ - Private WSW Public WSW		Screened Interval (ft.): 2 to 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 3.71		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 8.29	1 casing volume (CV = LWC x C) (gals.): 1.37		3 casing volumes (3 x CV) (gals.): 4.12

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1128							1128
PH (s.u.)	4.73							4.73
Specific Conductivity (µS/cm)	218							218
Water Temperature (°C)	21.75							21.75
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	1.40							1.40

Sampling Data

Sampled By:	Sampling Time: 1128	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: [signature]

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/12/21	Site ID #: UST 01589	Site Name: Circle K 2720886	Field Personnel: E. Moore, J. Gurney
County: Charleston	Project Manager: Bob Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74°

Quality Assurance

Meter Name	Serial #: 16H30SR0	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: 10	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: _ Bailer Pump
_ MW IW RW Other_ _ Private WSW Public WSW		Screened Interval (ft.): 2 to 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 3.92		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 8.08	1 casing volume (CV = LWC x C) (gals.): 1.34		3 casing volumes (3 x CV) (gals.): 4.02

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1107							1107
PH (s.u.)	5.26							5.26
Specific Conductivity (µS/cm) 164	164							164
Water Temperature (°C)	22.51							22.51
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	0.83							0.83

Sampling Data

Sampled By:	Sampling Time: 1107	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: GRW3

Signature: [signature]

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 04/23/21	Site ID #: UST 01589	Site Name: Circle K 2720886	Field Personnel: E. Moore, J. Gray
County: Charleston	Project Manager: Brad Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74°

Quality Assurance

Meter Name	Serial #: 16430580	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: 11	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: Bailer Pump
MW IW RW Other_ Private WSW Public WSW		Screened Interval (ft.): 2 to 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 4.03		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 7.97	1 casing volume (CV = LWC x C) (gals.): 1.32		3 casing volumes (3 x CV) (gals.): 3.96

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1049							1049
PH (s.u.)	6.15							6.15
Specific Conductivity (µS/cm)	264							264
Water Temperature (°C)	22.11							22.11
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	1.18							1.18

Sampling Data

Sampled By: E. Moore	Sampling Time:	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: _____

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4 / 21 /2021 | Site ID # 01589 | Site Name: Circle K #2720886 | Field Personnel: J. Gray

County: Charleston | Project Manager: | General Weather Conditions: Clear | Ambient Air Temp (°F): 76°

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	Calibration: pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: (Y) or N
ph, conductivity		DO: Y or N			
Dissolved Oxygen (mg/L)		Turb.: 0.0 NTU: (Y) or N	1.0 NTU: Y or N	10.0 NTU: Y or N	
Turbidity (NTU)					

Well Information

Well ID: MW- 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.): 2-12 | Total Well Depth (TWD) (ft.): 12

Depth to Free Product (DFP) (ft.): | Depth to Groundwater (DGW) (ft.): 5.19 | Free Product Thickness (ft.):

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

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								12.17
Time (military)	1217							6.02
PH (s.u.)	6.02							753
Specific Conductivity (µS/cm)	753							22.83
Water Temperature (°C)	22.83							0.0
Turbidity (NTU)	0.0							0.03
Dissolved Oxygen (mg/L)	0.03							

Sampling Data

Sampled By: J. Gray | Sampling Time: 1217 | Duplicate: Y or (N) | If yes, Duplicate Time:

Total Gallons: —

Notes: Signature: Joseph Gray

GOOD

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4/27/2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 76°

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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-13	Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652		Method of Purging/Sample Collection: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~		Screened Interval (ft.): 2-12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 4.61		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1159							1159
PH (s.u.)	5.32							5.32
Specific Conductivity (µS/cm)	362							362
Water Temperature (°C)	24.99							24.99
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	0.04							0.04

Sampling Data

Sampled By: J. Gray	Sampling Time: 1159	Duplicate: Y or (N)	If yes, Duplicate Time: 1201

Total Gallons: ✓

Notes:

Signature: Joseph Gray

6/04/21

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4 /21 /2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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.):		Total Well Depth (TWD) (ft.):
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	0846							0846
PH (s.u.)	6.47							6.47
Specific Conductivity (µS/cm)	1430							1430
Water Temperature (°C)	21.03							21.03
Turbidity (NTU)	121							121
Dissolved Oxygen (mg/L)	0.57							0.57

Sampling Data

Sampled By: J. Gray	Sampling Time: 0846	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Joseph Gray

Total Gallons: —

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4/21/2021 | Site ID # 01589 | Site Name: Circle K #2720886 | Field Personnel: J. Gray

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

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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-15	Well Diameter (in): 2	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652	Method of Purging/Sample Collection: Bailer Pump
MW ~~IW~~ ~~RW~~ ~~Other~~ ~~Private WSW~~ ~~Public WSW~~	Screened Interval (ft.):		Total Well Depth (TWD) (ft.):
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 5.67		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								0948
Time (military)	0948							5.77
PH (s.u.)	5.77							429
Specific Conductivity (µS/cm)	429							21.20
Water Temperature (°C)	21.20							0.0
Turbidity (NTU)	0.0							0.04
Dissolved Oxygen (mg/L)	0.04							

Sampling Data

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

Notes:

Signature: Joyce Gray

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities — ATC

(DHEC0886xx)

Site Information

Date: 4 / 21 /2021	Site ID # **01589**	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 80's

Quality Assurance

Meter Name: Horiba multimeter	Serial #: **VU134N3T**	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.):	Depth to Groundwater (DGW) (ft.): 4.45	Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):	5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1305
Time (military)	1305							4.79
PH (s.u.)	4.79							311
Specific Conductivity (µS/cm)	311							21.39
Water Temperature (°C)	21.39							0.0
Turbidity (NTU)	0.6							0.39
Dissolved Oxygen (mg/L)	0.39							

Sampling Data

Sampled By: J. Gray	Sampling Time: 1305	Duplicate: Y or (N)	If yes, Duplicate Time:

Total Gallons:

Notes:

Signature: Joseph Gray

GRRD

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4 / 21 /2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 80's

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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.):	Depth to Groundwater (DGW) (ft.): 4.65		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1247
Time (military)	1247							5.96
PH (s.u.)	5.96							315
Specific Conductivity (µS/cm)	315							21.80
Water Temperature (°C)	21.80							2.0
Turbidity (NTU)	2.0							0.01
Dissolved Oxygen (mg/L)	0.01							

Sampling Data

Sampled By: J. Gray	Sampling Time: 1247	Duplicate: Y or (N)	If yes, Duplicate Time:

Total Gallons: /

Notes: Signature: Joseph Gray

Cooler

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4 / 21 /2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 76°

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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 - 12	Total Well Depth (TWD) (ft.):
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 4.62		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1131
Time (military)	1131							4.58
PH (s.u.)	4.58							214
Specific Conductivity (µS/cm)	214							25.42
Water Temperature (°C)	25.42							0.0
Turbidity (NTU)	0.0							0.81
Dissolved Oxygen (mg/L)	0.81							

Sampling Data

Sampled By: J. Gray	Sampling Time: 1131	Duplicate: Y or (N)	If yes, Duplicate Time:

Total Gallons: —

Notes: GWS

Signature: Joseph Gray

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4 /21 /2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 76°

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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- 19	Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652		Method of Purging/Sample Collection: 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.):	Depth to Groundwater (DGW) (ft.): 4.02		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1116							1116
PH (s.u.)	5.41							5.41
Specific Conductivity (µS/cm)	141							141
Water Temperature (°C)	23.54							23.54
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	0.44							0.44

Sampling Data

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

Notes:

Signature: Joseph Gray

Total Gallons: —

GRAB

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4 / 21 /2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 76°

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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.): 2-12	Total Well Depth (TWD) (ft.):
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 3.78		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1059
Time (military)	1059							560
PH (s.u.)	5.60							464
Specific Conductivity (µS/cm)	464							22.30
Water Temperature (°C)	22.30							0.0
Turbidity (NTU)	0.0							0.37
Dissolved Oxygen (mg/L)	0.37							

Sampling Data

Sampled By: J. Gray	Sampling Time: 1059	Duplicate: Y or (N)	If yes, Duplicate Time:

Total Gallons: —

Notes: GRAB

Signature: Joseph Gray

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/21/21	Site ID #: UST 01589	Site Name: Circle K 2720886	Field Personnel: C. Moore, J. Gosney
County: Charleston	Project Manager: Brad Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74°

Quality Assurance

Meter Name	Serial #: 16430580	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: ~~200~~ MW-21	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: - Bailer Pump
- MW IW RW Other_ - Private WSW Public WSW		Screened Interval (ft.): 2 to 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 2.35		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 9.65	1 casing volume (CV = LWC x C) (gals.): 1.60		3 casing volumes (3 x CV) (gals.): 4.80

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	~~1307~~ 1307							~~1307~~ 1307
PH (s.u.)	5.59							5.59
Specific Conductivity (µS/cm)	283							283
Water Temperature (°C)	22.27							22.27
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	1.04							Low

Sampling Data

Sampled By: C. Moore	Sampling Time: ~~1307~~ 1307	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Gross

Signature: C. Moore

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/21/21	Site ID#: UST 01589	Site Name: Circle K 2720886	Field Personnel: E. Moore, T. Gray
County: Charleston	Project Manager: Brad Hutchinson	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~74°

Quality Assurance

Meter Name	Serial #: 16430580	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-22	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: _ Bailer Pump
_ MW IW RW Other_ _ Private WSW Public WSW		Screened Interval (ft.): 2 to 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 5.16		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 6.84	1 casing volume (CV = LWC x C) (gals.): 1.13		3 casing volumes (3 x CV) (gals.): 3.40

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1246							1246
PH (s.u.)	4.60							4.60
Specific Conductivity (µS/cm)	83.0							83.0
Water Temperature (°C)	23.77							23.77
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	1.56							1.56

Sampling Data

Sampled By: C. Moore	Sampling Time: 1246	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: [signature]

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 04/21/21 | Site ID #: UST 01589 | Site Name: Circle K 2720886 | Field Personnel: E. Moore J. Gray

County: Chesterfield | Project Manager: Brad Hubbard | General Weather Conditions: Sunny | Ambient Air Temp (°F): 74°

Quality Assurance

	Serial #:	Calibration:			
Meter Name		pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI 63 (pH, Specific Conductivity, Temperature)		Y or N			
YSI 55 (Dissolved Oxygen)		0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	
LaMotte (Turbidity)					

Well Information

Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652

Method of Purging/Sample Collection: Bailer Pump

Well ID: MW-23 | Well Diameter (ft.): | Screened Interval (ft.): 5 to 15 | Total Well Depth (TWD) (ft.): 15

MW IW RW Other_____ Private WSW Public WSW

Depth to Free Product (DFP) (ft.): | Depth to Groundwater (DGW) (ft.): 8.71 | Free Product Thickness (ft.):

Length of water column (LWC = TWD – DGW) (ft.): 6.29 | 1 casing volume (CV = LWC x C) (gals.): 1.041 | 3 casing volumes (3 x CV) (gals.): 3.13

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1436
Time (military)	1436							5.01
PH (s.u.)	5.01							216
Specific Conductivity (µS/cm)	216							20.46
Water Temperature (°C)	20.46							0.0
Turbidity (NTU)	0.0							0.73
Dissolved Oxygen (mg/L)	0.73							

Sampling Data

Sampled By: E. Moore | Sampling Time: 1436 | Duplicate: Y or (N) | If yes, Duplicate Time:

Signature:

Notes: Gray

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/22/21	Site ID #: UST 01589	Site Name: Circle K 2720886	Field Personnel: C. Moore, J. Gray
County: Charleston	Project Manager: Dave Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 64

Quality Assurance

Meter Name	Serial #: 16H430580	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		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 (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652		Method of Purging/Sample Collection: Bailer Pump
MW IW RW Other_ Private WSW Public WSW		Screened Interval (ft.): 5 to 15	Total Well Depth (TWD) (ft.): 15
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 8.05		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 6.95	1 casing volume (CV = LWC x C) (gals.): 1.15		3 casing volumes (3 x CV) (gals.): 3.46

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	0930							0930
PH (s.u.)	3.66							3.66
Specific Conductivity (µS/cm)	139							139
Water Temperature (°C)	17.10							17.10
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	2.00							2.00

Sampling Data

Sampled By: C. Moore	Sampling Time: 0930	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: [signature]

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 04/22/21	Site ID #: UST 015289	Site Name: Circle K 2720886	Field Personnel: E. Moore, T. Gray
County: Charleston	Project Manager: Bart Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 64

Quality Assurance

Meter Name	Serial #: 16430 SRO	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		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 (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: (Bailer) Pump
MW IW RW Other_ Private WSW Public WSW		Screened Interval (ft.): 2 to 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 1.95		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 10.05	1 casing volume (CV = LWC x C) (gals.): 1.66		3 casing volumes (3 x CV) (gals.): 5.00

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	0947	0949	0951	0953	0955	0958		0958
PH (s.u.)	4.59	4.66	4.67	4.63	4.61	4.62		4.62
Specific Conductivity (µS/cm)	276	280	268	256	250	261		261
Water Temperature (°C)	18.78	19.05	19.10	19.14	19.10	19.21		19.21
Turbidity (NTU)	0.0	0.0	334	367	346	481		481
Dissolved Oxygen (mg/L)	1.99	1.63	1.88	1.86	1.64	1.65		1.65

Sampling Data

Sampled By: E. Moore	Sampling Time: 0958	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: 7.5 gal Purged

Signature: [signature]

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/21/21	Site ID#: UST 01589	Site Name: Circle K 2720886	Field Personnel: E. Moore, J. Gray
County: Charleston	Project Manager: Brad Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)	16H365R0	pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-26	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: - Bailer Pump
- MW IW RW Other_ - Private WSW Public WSW		Screened Interval (ft.): 5 to 15	Total Well Depth (TWD) (ft.): 15
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 8.60		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 6.4	1 casing volume (CV = LWC x C) (gals.): 1.06		3 casing volumes (3 x CV) (gals.): 3.18

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1445
Time (military)	1445							4.11
PH (s.u.)	4.11							291
Specific Conductivity (µS/cm)	291							21.70
Water Temperature (°C)	21.70							0.0
Turbidity (NTU)	0.0							2.66
Dissolved Oxygen (mg/L)	2.66							

Sampling Data

Sampled By: E. Moore	Sampling Time: 1445	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Gray

Signature: _____

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 04/21/21	Site ID #: UST 01589	Site Name: Circle K 2720886	Field Personnel: E. Moore, J. Gross
County: Charleston	Project Manager: Brad Hibbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74

Quality Assurance

Meter Name	Serial #: 16H305RO	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C. (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N (Y)			
LaMotte (Turbidity)		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 (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: - Bailer Pump
- MW IW RW Other_ - Private WSW Public WSW		Screened Interval (ft.): 5 to 15	Total Well Depth (TWD) (ft.): 15
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 8.52		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 6.48	1 casing volume (CV = LWC x C) (gals.): 1.07		3 casing volumes (3 x CV) (gals.): 3.22

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1408							1408
PH (s.u.)	5.85							5.85
Specific Conductivity (µS/cm)	117							117
Water Temperature (°C)	23.04							23.04
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	1.62							1.62

Sampling Data

Sampled By: E. Moore	Sampling Time: 1408	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Gross

Signature: [signature]

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/22/21	Site ID #: UST 0589	Site Name: Circle K 2720886	Field Personnel: E. Moore, J. Gray
County: Chinaman	Project Manager: Brad Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 64

Quality Assurance

Meter Name	Serial #: 16430580	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		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 (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: _ Bailer Pump
_ MW IW RW Other_ _ Private WSW Public WSW		Screened Interval (ft.): 2 to 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 5.78		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 6.22	1 casing volume (CV = LWC x C) (gals.): 1.03		3 casing volumes (3 x CV) (gals.): 3.09

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	0939							0939
PH (s.u.)	3.86							3.86
Specific Conductivity (µS/cm)	233							233
Water Temperature (°C)	17.24							17.24
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	2.07							2.07

Sampling Data

Sampled By: E. Moore	Sampling Time: 0939	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: _____

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/21/21	Site ID #: UST 01589	Site Name:	Field Personnel: E. Moore, J. Gray
County: Charleston	Project Manager: Brad Hibbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74.0

Quality Assurance

Meter Name	Serial #: 16430SR0	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-29	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: Bailer Pump
MW IW RW Other_ Private WSW Public WSW		Screened Interval (ft.): 5 to 15	Total Well Depth (TWD) (ft.): 15
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 8.02		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 6.98	1 casing volume (CV = LWC x C) (gals.): 1.15		3 casing volumes (3 x CV) (gals.): 3.47

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1426							1426
PH (s.u.)	3.77							3.77
Specific Conductivity (µS/cm)	315							315
Water Temperature (°C)	20.52							20.52
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	0.90							0.90

Sampling Data

Sampled By:	Sampling Time: 1426	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Gray

Signature: [signature]

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/21/21 | Site ID #: UST 01584 | Site Name: | Field Personnel:

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

Quality Assurance

	Serial #:	Calibration:			
Meter Name		pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C: Y or N
YSI 63 (pH, Specific Conductivity, Temperature)		Y or N			
YSI 55 (Dissolved Oxygen)		0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	
LaMotte (Turbidity)					

Well Information

Well ID: MW-30 | Well Diameter (ft.): | Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652 | Method of Purging/Sample Collection: Bailer Pump

MW IW RW Other_ Private WSW Public WSW | Screened Interval (ft.): 2 to 12 | Total Well Depth (TWD) (ft.): 12

Depth to Free Product (DFP) (ft.): | Depth to Groundwater (DGW) (ft.): 4.51 | Free Product Thickness (ft.):

Length of water column (LWC = TWD – DGW) (ft.): 7.49 | 1 casing volume (CV = LWC x C) (gals.): 1.24 | 3 casing volumes (3 x CV) (gals.): 3.73

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1259
Time (military)	1259							4.34
PH (s.u.)	4.34							159
Specific Conductivity (µS/cm)	159							22.43
Water Temperature (°C)	22.43							0.0
Turbidity (NTU)	0.0							1.03
Dissolved Oxygen (mg/L)	1.03							

Sampling Data

Sampled By: E. Moore | Sampling Time: 1259 | Duplicate: Y or N | If yes, Duplicate Time:

Signature:

Notes: Grab

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 04/22/11	Site ID #: UST 01589	Site Name: Circle K 2720586	Field Personnel: E Moore / J. Gray
County: Charleston	Project Manager: Brad Hilyard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-01	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: Bailer Pump
MW IW RW Other_ Private WSW Public WSW		Screened Interval (ft.): 2 to 12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):		Depth to Groundwater (DGW) (ft.): 8.78	Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 3.22		1 casing volume (CV = LWC x C) (gals.): 0.53	3 casing volumes (3 x CV) (gals.): 1.60

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	0919							0919
PH (s.u.)	4.87							4.87
Specific Conductivity (µS/cm)	237							237
Water Temperature (°C)	17.66							17.66
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	1.59							1.59

Sampling Data

Sampled By: E. Moore	Sampling Time: 0919	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Gray

Signature:

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4 / 21/2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 50's

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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.):	Depth to Groundwater (DGW) (ft.): 5.03		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								1024
Time (military)	1024							5.66
PH (s.u.)	5.66							717
Specific Conductivity (µS/cm)	717							20.32
Water Temperature (°C)	20.32							19.4
Turbidity (NTU)	19.4							3.15
Dissolved Oxygen (mg/L)	3.15							

Sampling Data

Sampled By: J. Gray	Sampling Time: 1024	Duplicate: (Y) or N	If yes, Duplicate Time: 1026

Total Gallons: —

Notes: GDZ03

Signature:

dhec
Healthy People Healthy Communities

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

ATC

Site Information

(DHEC0886xx)

Date: 4 / 21 /2021	Site ID # **01589**	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 75

Quality Assurance

Meter Name: Horiba multimeter	Serial #: **VU134N3T**	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.): 3-13	Total Well Depth (TWD) (ft.): 13
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 7.15		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1026							1026
PH (s.u.)	5.54							5.54
Specific Conductivity (µS/cm)	131							131
Water Temperature (°C)	23.04							23.04
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	1.52							1.52

Sampling Data

Sampled By: J. Gray	Sampling Time: 1021	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Gray

Total Gallons: —

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4/21/2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 78°

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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.):	Total Well Depth (TWD) (ft.):
Depth to Free Product (DFP) (ft.):		Depth to Groundwater (DGW) (ft.): 8.01	Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):		1 casing volume (CV = LWC x C) (gals.):	5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1043							1043
PH (s.u.)	4.80							4.80
Specific Conductivity (µS/cm)	359							359
Water Temperature (°C)	20.73							20.73
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	0.13							0.13

Sampling Data

Sampled By: J. Gray	Sampling Time: 1043	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes:

Signature: Joseph Gray

Total Gallons: —

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/21/21	Site ID #: UST 01589	Site Name: Circle K 2720886	Field Personnel: E. Moore, J. Craig
County: Charleston	Project Manager: Brad Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)	16H305RO	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: 36	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: Bailer Pump
MW IW RW Other_ Private WSW Public WSW		Screened Interval (ft.): 3 to 13	Total Well Depth (TWD) (ft.): 13
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 3.59		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 9.41	1 casing volume (CV = LWC x C) (gals.): 1.56		3 casing volumes (3 x CV) (gals.): 4.68

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1145							1145
PH (s.u.)	5.64							5.64
Specific Conductivity (µS/cm)	843							843
Water Temperature (°C)	22.36							22.36
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	1.04							1.04

Sampling Data

Sampled By: E. Moore	Sampling Time: 1145	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Craig

Signature:

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/22/21	Site ID #: UST 01589	Site Name: Circle K 2720886	Field Personnel: E. Moore, J. Gray
County: Charleston	Project Manager: Bob Hilton	General Weather Conditions: Sunny	Ambient Air Temp (°F): 64°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-37	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: Bailer Pump
MW IW RW Other_ Private WSW Public WSW		Screened Interval (ft.): 3 to 13	Total Well Depth (TWD) (ft.): 13
Depth to Free Product (DFP) (ft.):		Depth to Groundwater (DGW) (ft.): 9.81	Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 3.19		1 casing volume (CV = LWC x C) (gals.): 0.52	3 casing volumes (3 x CV) (gals.): 1.58

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	0927							0927
PH (s.u.)	3.77							3.77
Specific Conductivity (µS/cm)	181							181
Water Temperature (°C)	17.03							17.63
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	1.17							1.17

Sampling Data

Sampled By: E. Moore	Sampling Time: 0927	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Gray

Signature: [signature]

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/21/21	Site ID#: UST 01589	Site Name: Circle K 2720886	Field Personnel: E. Moore, J. Gong
County: Charleston	Project Manager: Bart Halboot	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)	16430580	pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID:	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection:
MW-38			_ Bailer Pump

_ MW IW RW Other_	Screened Interval (ft.):	Total Well Depth (TWD) (ft.):
_ Private WSW Public WSW	3 to 13	13

Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):
	9.60	
Length of water column (LWC = TWD – DGW) (ft.): 3.4	**1 casing volume (CV = LWC x C) (gals.):** 0.56	**3 casing volumes (3 x CV) (gals.):** 1.689

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1421							1421
PH (s.u.)	4.55							4.52
Specific Conductivity (µS/cm)	268							268
Water Temperature (°C)	20.92							20.92
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	0.87							0.87

Sampling Data

Sampled By: E. Moore	Sampling Time:	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab

Signature: [signature]

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities.

ATC

(DHEC0886xx)

Site Information

Date: 4 /22 /2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions: Clear	Ambient Air Temp (°F): 50's

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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-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~~		Screened Interval (ft.): 34-39	Total Well Depth (TWD) (ft.): 39
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 3.97		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 33.03	1 casing volume (CV = LWC x C) (gals.): 5.48		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1119	1125						1125
PH (s.u.)	6.29	7.06						7.06
Specific Conductivity (µS/cm)	442	364						364
Water Temperature (°C)	22.71	23.24						23.24
Turbidity (NTU)	5.8	131						131
Dissolved Oxygen (mg/L)	5.42	0.66						0.66

Sampling Data

Sampled By: J. Gray	Sampling Time: 1125	Duplicate: Y or N	If yes, Duplicate Time: 1127

Notes:

Signature: Joseph Gray

Total Gallons: 6.0 gallons

Purged & Drummed

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 4/21/21	Site ID #: UST 01589	Site Name: Circle K 2720886	Field Personnel: E. Moore, J. Gray
County: Charleston	Project Manager: Brad Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74°

Quality Assurance

Meter Name	Serial #: 16430580	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		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 (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: - Bailer Pump
- MW IW RW Other_ - Private WSW Public WSW		Screened Interval (ft.): 34 to 39	Total Well Depth (TWD) (ft.): 39
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 5.06		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 33.94	1 casing volume (CV = LWC x C) (gals.): 5.63		3 casing volumes (3 x CV) (gals.): 16.90

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1314	1319						1319
PH (s.u.)	6.92	7.15						7.15
Specific Conductivity (µS/cm)	355	364						364
Water Temperature (°C)	22.96	23.41						23.41
Turbidity (NTU)	0.0	0.0						0.0
Dissolved Oxygen (mg/L)	2.60	3.3						3.3

Sampling Data

Sampled By: E. Moore	Sampling Time: 1319	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Grab Well went Dry @ 1st vol Total Ground 5.50 gal

Signature: _____

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 04/22/21	Site ID #: UST 01589	Site Name: Circle K 2720886	Field Personnel: C. Moore, J. Gray
County: Charleston	Project Manager: Brad Hibbert	General Weather Conditions: Sunny	Ambient Air Temp (°F): 61

Quality Assurance

Meter Name	Serial #: 16430SRO	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		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 (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: - Bailer Pump
- MW IW RW Other_ - Private WSW Public WSW		Screened Interval (ft.): 35 to 40	Total Well Depth (TWD) (ft.):
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 9.27		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 30.73	1 casing volume (CV = LWC x C) (gals.): 5.10		3 casing volumes (3 x CV) (gals.): 15.30

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	0900	0907						0907
PH (s.u.)	6.61	6.92						6.92
Specific Conductivity (µS/cm)	448	402						402
Water Temperature (°C)	16.66	18.65						18.65
Turbidity (NTU)	0.0	10.0						10.0
Dissolved Oxygen (mg/L)	3.65	3.94						3.94

Sampling Data

Sampled By: C. Moore	Sampling Time: 0907	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: well went dry @ 1st vol

Signature: _____

dhec
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Underground Storage Tank Management Division Field Data Information Sheet – Sampling

ATC

(DHEC0886xx)

Site Information

Date: 4 / 21 /2021 | Site ID # **01589** | Site Name: Circle K #2720886 | Field Personnel: J. Gray

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

Quality Assurance

Meter Name: Horiba multimeter	Serial #: **VU134N3T**	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.): 40-45 | Total Well Depth (TWD) (ft.): 45

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.): 40.09 | 1 casing volume (CV = LWC x C) (gals.): 6.53 | 5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1459	1503						1503
PH (s.u.)	7.16	7.21						7.21
Specific Conductivity (µS/cm)	406	413						413
Water Temperature (°C)	21.49	22.06						22.06
Turbidity (NTU)	0.0	4325						4325
Dissolved Oxygen (mg/L)	9.34	1.73						1.73

Sampling Data

Sampled By: J. Gray | Sampling Time: 1503 | Duplicate: Y or (N) | If yes, Duplicate Time:

Notes: Signature: Total Gallons: 6.80 gallon

Bailed Dry @ 1st Vol.

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

dhec Healthy People. Healthy Communities. ATC

(DHEC0886xx)

Site Information

Date: 4/21/2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions:	Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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.): 38 – 43	Total Well Depth (TWD) (ft.): 43
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 9.27		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 33.73	1 casing volume (CV = LWC x C) (gals.): 5.49		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1411	1421	1431					1431
PH (s.u.)	7.66	7.18	7.22					
Specific Conductivity (µS/cm)	350	365	379					
Water Temperature (°C)	23.31	23.34	22.28					
Turbidity (NTU)	6.0	6.0	2.16					
Dissolved Oxygen (mg/L)	4.32	1.78	2.72					

Sampling Data

Sampled By: J. Gray	Sampling Time: 1431	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Signature: Joseph Gray

Total Gallons: 11 gallon Bailer ? Drummond

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

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ATC

Site Information

(DHEC0886xx)

Date: 4 / 22 /2021	Site ID # 01589	Site Name: Circle K #2720886	Field Personnel: J. Gray
County: Charleston	Project Manager:	General Weather Conditions:	Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter	Serial #: VU134N3T	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.): 2-12		Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 4.15		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								1000
PH (s.u.)								6.03
Specific Conductivity (µS/cm)								295
Water Temperature (°C)								15.58
Turbidity (NTU)								2.22
Dissolved Oxygen (mg/L)								2.03

Sampling Data

Sampled By: J. Gray	Sampling Time: 1000	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Signature: Joseph Gray

Total Gallons: —

Conns

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 04/22/21	Site ID #: UST 01584	Site Name: Circle K 2720886	Field Personnel: E. Moore, J. Gray
County: Charleston	Project Manager: Brad Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~ 60

Quality Assurance

Meter Name	Serial #: 16A305RO	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		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 (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: Bailer Pump
MW IW RW Other_ Private WSW Public WSW	Screened Interval (ft.): 1 to 6		Total Well Depth (TWD) (ft.): 6
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 2.07		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.): 3.93	1 casing volume (CV = LWC x C) (gals.): 2.56		3 casing volumes (3 x CV) (gals.): 7.68

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	0854							0854
PH (s.u.)	3.85							3.85
Specific Conductivity (µS/cm)	584							584
Water Temperature (°C)	16.63							16.63
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	2.76							2.16

Sampling Data

Sampled By: E. Moore	Sampling Time: 0854	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Grab

Signature:

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 5/13/21	Site ID #: 2720866	Site Name: UST 01584	Field Personnel: E. Moore, J. Gray
County: Charleston	Project Manager: Brad Hubbert	General Weather Conditions: Sunny	Ambient Air Temp (°F): 74

Quality Assurance

Meter Name	Serial #: VH134N37T	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-6	Well Diameter (ft.): Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: _ Bailer Pump
_ MW IW RW Other_ _ Private WSW Public WSW	Screened Interval (ft.): to	Total Well Depth (TWD) (ft.):
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 4.23	Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):	3 casing volumes (3 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1343							1343
PH (s.u.)	5.97							5.97
Specific Conductivity (µS/cm)	1520							1520
Water Temperature (°C)	24.40							24.40
Turbidity (NTU)	6.27							6.27
Dissolved Oxygen (mg/L)	0.54							0.54

Sampling Data

Sampled By: J. Gray	Sampling Time: 1343	Duplicate: Y or N	If yes, Duplicate Time: 1345

Notes: Grab

Signature: E Moore

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 05/13/21	Site ID #: 2720886	Site Name: UST 01589	Field Personnel: E. Moore, J. Gray
County: Charleston	Project Manager: Dave Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F):

Quality Assurance

Meter Name	Serial #: V4134N3T	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		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 (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: - Bailer Pump
- MW IW RW Other_ - Private WSW Public WSW		Screened Interval (ft.): 2 to 12	Total Well Depth (TWD) (ft.):
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): ~~4.24~~ 3.52		Free Product Thickness (ft.):
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		3 casing volumes (3 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1031							1031
PH (s.u.)	6.17							6.17
Specific Conductivity (µS/cm)	276							276
Water Temperature (°C)	14.90							14.90
Turbidity (NTU)	31.3							31.3
Dissolved Oxygen (mg/L)	0.37							0.37

Sampling Data

Sampled By: J. Gray	Sampling Time: 1031	Duplicate: Y or N	If yes, Duplicate Time:

Notes: GMS

Signature: _____

Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 05/13/21	Site ID #: 2720886	Site Name: UST 01589	Field Personnel: E. Moore, J. Gray
County: Charleston	Project Manager: Brad Hubbard	General Weather Conditions: Sunny	Ambient Air Temp (°F): 79

Quality Assurance

Meter Name	Serial #: V4134N3T	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: (Y) or N
YSI 55 (Dissolved Oxygen)		Y or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: 33	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: _ Bailer Pump
_ MW IW RW Other_ _ Private WSW Public WSW	Screened Interval (ft.): 3 to 13		Total Well Depth (TWD) (ft.):
Depth to Free Product (DFP) (ft.): 6.07	Depth to Groundwater (DGW) (ft.): 6.07		Free Product Thickness (ft.): 0.03
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):		3 casing volumes (3 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1411							1411
PH (s.u.)	6.46							6.46
Specific Conductivity (µS/cm)	1530							1530
Water Temperature (°C)	24.04							24.04
Turbidity (NTU)	194							194
Dissolved Oxygen (mg/L)	1.26							1.26

Sampling Data

Sampled By: J. Gray	Sampling Time: 1411	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: _____

Signature: _____

7.25 gal purge

APPENDIX B

LABORATORY ANALYTICAL RESULTS

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

April 30, 2021

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

RE: Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Dear Brad Hubbard:

Enclosed are the analytical results for sample(s) received by the laboratory on April 23, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Charlotte

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

Sincerely,

Bonnie Vang

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

Enclosures

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

CERTIFICATIONS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

Pace Analytical Services, LLC
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SAMPLE SUMMARY

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92535160001	01589-MW-1	Water	04/22/21 10:47	04/23/21 11:05
92535160002	01589-MW-2	Water	04/21/21 13:59	04/23/21 11:05
92535160003	01589-MW-3	Water	04/21/21 13:44	04/23/21 11:05
92535160004	01589-MW-4	Water	04/22/21 09:51	04/23/21 11:05
92535160005	01589-MW-5	Water	04/21/21 13:26	04/23/21 11:05
92535160006	01589-MW-7	Water	04/21/21 11:34	04/23/21 11:05
92535160007	01589-MW-8	Water	04/21/21 11:28	04/23/21 11:05
92535160008	01589-MW-10	Water	04/21/21 11:07	04/23/21 11:05
92535160009	01589-MW-11	Water	04/21/21 10:49	04/23/21 11:05
92535160010	01589-MW-12	Water	04/21/21 12:17	04/23/21 11:05
92535160011	01589-MW-13	Water	04/21/21 11:59	04/23/21 11:05
92535160012	01589-MW-14	Water	04/21/21 08:46	04/23/21 11:05
92535160013	01589-MW-15	Water	04/21/21 09:48	04/23/21 11:05
92535160014	01589-MW-16	Water	04/21/21 13:05	04/23/21 11:05
92535160015	01589-MW-17	Water	04/21/21 12:47	04/23/21 11:05
92535160016	01589-MW-18	Water	04/21/21 11:31	04/23/21 11:05
92535160017	01589-MW-19	Water	04/21/21 11:16	04/23/21 11:05
92535160018	01589-MW-20	Water	04/21/21 10:59	04/23/21 11:05
92535160019	01589-MW-21	Water	04/21/21 13:07	04/23/21 11:05
92535160020	01589-MW-22	Water	04/21/21 12:46	04/23/21 11:05
92535160021	01589-MW-23	Water	04/21/21 14:36	04/23/21 11:05
92535160022	01589-MW-24	Water	04/22/21 09:30	04/23/21 11:05
92535160023	01589-MW-25	Water	04/22/21 09:58	04/23/21 11:05
92535160024	01589-MW-26	Water	04/21/21 14:45	04/23/21 11:05
92535160025	01589-MW-27	Water	04/21/21 14:08	04/23/21 11:05
92535160026	01589-MW-28	Water	04/22/21 09:39	04/23/21 11:05
92535160027	01589-MW-29	Water	04/21/21 14:26	04/23/21 11:05
92535160028	01589-MW-30	Water	04/21/21 12:59	04/23/21 11:05
92535160029	01589-MW-31	Water	04/22/21 09:19	04/23/21 11:05
92535160030	01589-MW-32	Water	04/22/21 10:24	04/23/21 11:05
92535160031	01589-MW-34	Water	04/21/21 10:26	04/23/21 11:05
92535160032	01589-MW-35	Water	04/21/21 10:43	04/23/21 11:05
92535160033	01589-MW-36	Water	04/21/21 11:45	04/23/21 11:05
92535160034	01589-MW-37	Water	04/22/21 09:29	04/23/21 11:05
92535160035	01589-MW-38	Water	04/21/21 14:21	04/23/21 11:05
92535160036	01589-DMW-1	Water	04/22/21 11:25	04/23/21 11:05
92535160037	01589-DMW-2	Water	04/21/21 13:19	04/23/21 11:05

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SAMPLE SUMMARY

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92535160038	**01589-DMW-3**	Water	04/22/21 09:07	04/23/21 11:05
92535160039	**01589-DMW-4**	Water	04/21/21 15:03	04/23/21 11:05
92535160040	**01589-DMW-5**	Water	04/21/21 14:31	04/23/21 11:05
92535160041	**01589-RW-4**	Water	04/22/21 10:06	04/23/21 11:05
92535160042	**01589-RW-12**	Water	04/22/21 08:54	04/23/21 11:05
92535160043	**01589-DUP-1**	Water	04/21/21 12:01	04/23/21 11:05
92535160044	**01589-DUP-2**	Water	04/22/21 10:26	04/23/21 11:05
92535160045	**01589-DUP-3**	Water	04/22/21 11:27	04/23/21 11:05
92535160046	**01589-FB-1**	Water	04/21/21 08:30	04/23/21 11:05
92535160047	**01589-FB-2**	Water	04/22/21 11:48	04/23/21 11:05
92535160048	**01589-Trip**	Water	04/22/21 00:00	04/23/21 11:05
92535160049	**01589-SW-8**	Water	04/22/21 11:17	04/23/21 11:05
92535160050	**01589-SW-9**	Water	04/22/21 11:25	04/23/21 11:05
92535160051	**01589-SW DUP-4**	Water	04/22/21 11:19	04/23/21 11:05
92535160052	**01589-SW-2**	Water	04/22/21 10:25	04/23/21 11:05
92535160053	**01589-SW-3**	Water	04/22/21 10:36	04/23/21 11:05
92535160054	**01589-SW-6**	Water	04/22/21 10:52	04/23/21 11:05
92535160055	**01589-SW-7**	Water	04/22/21 11:12	04/23/21 11:05
92535160056	**01589-Trip 2**	Water	04/22/21 00:00	04/23/21 11:05
92535160057	**01589-Trip 3**	Water	04/22/21 00:00	04/23/21 11:05

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SAMPLE ANALYTE COUNT

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92535160001	01589-MW-1	EPA 8260D	SAS	18	PASI-C
92535160002	01589-MW-2	EPA 8260D	BSH	18	PASI-C
92535160003	01589-MW-3	EPA 8260D	SAS	18	PASI-C
92535160004	01589-MW-4	EPA 8260D	SAS	18	PASI-C
92535160005	01589-MW-5	EPA 8260D	SAS	18	PASI-C
92535160006	01589-MW-7	EPA 8260D	BSH	18	PASI-C
92535160007	01589-MW-8	EPA 8260D	CL	18	PASI-C
92535160008	01589-MW-10	EPA 8260D	CL	18	PASI-C
92535160009	01589-MW-11	EPA 8260D	SAS	18	PASI-C
92535160010	01589-MW-12	EPA 8260D	BSH	18	PASI-C
92535160011	01589-MW-13	EPA 8260D	BSH	18	PASI-C
92535160012	01589-MW-14	EPA 8260D	SAS	18	PASI-C
92535160013	01589-MW-15	EPA 8260D	SAS	18	PASI-C
92535160014	01589-MW-16	EPA 8260D	SAS	18	PASI-C
92535160015	01589-MW-17	EPA 8260D	SAS	18	PASI-C
92535160016	01589-MW-18	EPA 8260D	SAS	18	PASI-C
92535160017	01589-MW-19	EPA 8260D	SAS	18	PASI-C
92535160018	01589-MW-20	EPA 8260D	SAS	18	PASI-C
92535160019	01589-MW-21	EPA 8260D	SAS	18	PASI-C
92535160020	01589-MW-22	EPA 8260D	SAS	18	PASI-C
92535160021	01589-MW-23	EPA 8260D	SAS	18	PASI-C
92535160022	01589-MW-24	EPA 8260D	SAS	18	PASI-C
92535160023	01589-MW-25	EPA 8260D	SAS	18	PASI-C
92535160024	01589-MW-26	EPA 8260D	SAS	18	PASI-C
92535160025	01589-MW-27	EPA 8260D	SAS	18	PASI-C
92535160026	01589-MW-28	EPA 8260D	SAS	18	PASI-C
92535160027	01589-MW-29	EPA 8260D	SAS	18	PASI-C
92535160028	01589-MW-30	EPA 8260D	SAS	18	PASI-C
92535160029	01589-MW-31	EPA 8260D	SAS	18	PASI-C
92535160030	01589-MW-32	EPA 8260D	SAS	18	PASI-C
92535160031	01589-MW-34	EPA 8260D	SAS	18	PASI-C
92535160032	01589-MW-35	EPA 8260D	SAS	18	PASI-C
92535160033	01589-MW-36	EPA 8260D	SAS	18	PASI-C
92535160034	01589-MW-37	EPA 8260D	SAS	18	PASI-C
92535160035	01589-MW-38	EPA 8260D	SAS	18	PASI-C
92535160036	01589-DMW-1	EPA 8260D	SAS	18	PASI-C
92535160037	01589-DMW-2	EPA 8260D	SAS	18	PASI-C

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SAMPLE ANALYTE COUNT

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92535160038	**01589-DMW-3**	EPA 8260D	SAS	18	PASI-C
92535160039	**01589-DMW-4**	EPA 8260D	SAS	18	PASI-C
92535160040	**01589-DMW-5**	EPA 8260D	SAS	18	PASI-C
92535160041	**01589-RW-4**	EPA 8260D	BSH	18	PASI-C
92535160042	**01589-RW-12**	EPA 8260D	CL	18	PASI-C
92535160043	**01589-DUP-1**	EPA 8260D	BSH	18	PASI-C
92535160044	**01589-DUP-2**	EPA 8260D	BSH	18	PASI-C
92535160045	**01589-DUP-3**	EPA 8260D	CL	18	PASI-C
92535160046	**01589-FB-1**	EPA 8260D	CL	18	PASI-C
92535160047	**01589-FB-2**	EPA 8260D	CL	18	PASI-C
92535160048	**01589-Trip**	EPA 8260D	CL	18	PASI-C
92535160049	**01589-SW-8**	EPA 8260D	CL	18	PASI-C
92535160050	**01589-SW-9**	EPA 8260D	CL	18	PASI-C
92535160051	**01589-SW DUP-4**	EPA 8260D	CL	18	PASI-C
92535160052	**01589-SW-2**	EPA 8260D	CL	18	PASI-C
92535160053	**01589-SW-3**	EPA 8260D	CL	18	PASI-C
92535160054	**01589-SW-6**	EPA 8260D	CL	18	PASI-C
92535160055	**01589-SW-7**	EPA 8260D	CL	18	PASI-C
92535160056	**01589-Trip 2**	EPA 8260D	CL	18	PASI-C
92535160057	**01589-Trip 3**	EPA 8260D	CL	18	PASI-C

PASI-C = Pace Analytical Services - Charlotte

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-1 **Lab ID: 92535160001** Collected: 04/22/21 10:47 Received: 04/23/21 11:05 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	25000	9100	250		04/29/21 18:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	665	250		04/29/21 18:59	994-05-8	
Benzene	**13900**	ug/L	250	86.2	250		04/29/21 18:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13000	250		04/29/21 18:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	6700	250		04/29/21 18:59	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	7350	250		04/29/21 18:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	80.5	250		04/29/21 18:59	107-06-2	
Diisopropyl ether	ND	ug/L	250	77.0	250		04/29/21 18:59	108-20-3	
Ethanol	ND	ug/L	50000	18000	250		04/29/21 18:59	64-17-5	
Ethylbenzene	**1730**	ug/L	250	76.0	250		04/29/21 18:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	810	250		04/29/21 18:59	637-92-3	
Methyl-tert-butyl ether	**1190**	ug/L	250	106	250		04/29/21 18:59	1634-04-4	
Naphthalene	**378**	ug/L	250	161	250		04/29/21 18:59	91-20-3	
Toluene	**32200**	ug/L	250	121	250		04/29/21 18:59	108-88-3	
Xylene (Total)	**8450**	ug/L	250	84.5	250		04/29/21 18:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		250		04/29/21 18:59	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		250		04/29/21 18:59	17060-07-0	
Toluene-d8 (S)	101	%	70-130		250		04/29/21 18:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-2 **Lab ID: 92535160002** Collected: 04/21/21 13:59 Received: 04/23/21 11:05 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	**37700**	ug/L	25000	9100	250		04/30/21 02:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	665	250		04/30/21 02:54	994-05-8	
Benzene	**12100**	ug/L	250	86.2	250		04/30/21 02:54	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13000	250		04/30/21 02:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	6700	250		04/30/21 02:54	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	7350	250		04/30/21 02:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	80.5	250		04/30/21 02:54	107-06-2	
Diisopropyl ether	ND	ug/L	250	77.0	250		04/30/21 02:54	108-20-3	
Ethanol	ND	ug/L	50000	18000	250		04/30/21 02:54	64-17-5	
Ethylbenzene	**1500**	ug/L	250	76.0	250		04/30/21 02:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	810	250		04/30/21 02:54	637-92-3	
Methyl-tert-butyl ether	**913**	ug/L	250	106	250		04/30/21 02:54	1634-04-4	
Naphthalene	**561**	ug/L	250	161	250		04/30/21 02:54	91-20-3	
Toluene	**26300**	ug/L	250	121	250		04/30/21 02:54	108-88-3	M1
Xylene (Total)	**11100**	ug/L	250	84.5	250		04/30/21 02:54	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		250		04/30/21 02:54	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		250		04/30/21 02:54	17060-07-0	
Toluene-d8 (S)	100	%	70-130		250		04/30/21 02:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-3 **Lab ID: 92535160003** Collected: 04/21/21 13:44 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 00:13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 00:13	994-05-8	R1
Benzene	**7.5**	ug/L	1.0	0.34	1		04/29/21 00:13	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 00:13	624-95-3	R1
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 00:13	75-65-0	R1
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 00:13	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 00:13	107-06-2	R1
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 00:13	108-20-3	R1
Ethanol	ND	ug/L	200	72.2	1		04/29/21 00:13	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 00:13	100-41-4	R1
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 00:13	637-92-3	R1
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 00:13	1634-04-4	R1
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 00:13	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 00:13	108-88-3	R1
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 00:13	1330-20-7	RS
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/29/21 00:13	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/29/21 00:13	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/29/21 00:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-4 **Lab ID: 92535160004** Collected: 04/22/21 09:51 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 00:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 00:31	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 00:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 00:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 00:31	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 00:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 00:31	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 00:31	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 00:31	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 00:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 00:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 00:31	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 00:31	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 00:31	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 00:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		04/29/21 00:31	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/29/21 00:31	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		04/29/21 00:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-5 **Lab ID: 92535160005** Collected: 04/21/21 13:26 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 00:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 00:49	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 00:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 00:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 00:49	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 00:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 00:49	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 00:49	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 00:49	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 00:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 00:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 00:49	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 00:49	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 00:49	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 00:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/29/21 00:49	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/29/21 00:49	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/21 00:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-7 **Lab ID: 92535160006** Collected: 04/21/21 11:34 Received: 04/23/21 11:05 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		04/30/21 03:30	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	266	100		04/30/21 03:30	994-05-8	
Benzene	**3890**	ug/L	100	34.5	100		04/30/21 03:30	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5190	100		04/30/21 03:30	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	2680	100		04/30/21 03:30	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2940	100		04/30/21 03:30	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	32.2	100		04/30/21 03:30	107-06-2	
Diisopropyl ether	ND	ug/L	100	30.8	100		04/30/21 03:30	108-20-3	
Ethanol	ND	ug/L	20000	7220	100		04/30/21 03:30	64-17-5	
Ethylbenzene	**1550**	ug/L	100	30.4	100		04/30/21 03:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	324	100		04/30/21 03:30	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	100	42.2	100		04/30/21 03:30	1634-04-4	
Naphthalene	**221**	ug/L	100	64.5	100		04/30/21 03:30	91-20-3	
Toluene	**17000**	ug/L	100	48.5	100		04/30/21 03:30	108-88-3	
Xylene (Total)	**7260**	ug/L	100	33.8	100		04/30/21 03:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		100		04/30/21 03:30	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		100		04/30/21 03:30	17060-07-0	
Toluene-d8 (S)	98	%	70-130		100		04/30/21 03:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-8 **Lab ID: 92535160007** Collected: 04/21/21 11:28 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 18:30	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 18:30	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 18:30	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 18:30	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 18:30	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 18:30	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 18:30	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 18:30	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 18:30	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 18:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 18:30	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 18:30	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 18:30	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 18:30	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 18:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/29/21 18:30	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		04/29/21 18:30	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/21 18:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-10 **Lab ID: 92535160008** Collected: 04/21/21 11:07 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 18:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 18:48	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 18:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 18:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 18:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 18:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 18:48	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 18:48	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 18:48	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 18:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 18:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 18:48	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 18:48	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 18:48	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 18:48	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/29/21 18:48	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/29/21 18:48	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/21 18:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-11 **Lab ID: 92535160009** Collected: 04/21/21 10:49 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 13:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 13:10	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 13:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 13:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 13:10	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 13:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 13:10	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 13:10	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 13:10	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 13:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 13:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 13:10	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 13:10	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 13:10	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 13:10	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/29/21 13:10	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		04/29/21 13:10	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/21 13:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-12 **Lab ID: 92535160010** Collected: 04/21/21 12:17 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	1250	455	12.5		04/30/21 03:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	125	33.2	12.5		04/30/21 03:48	994-05-8	
Benzene	**1440**	ug/L	12.5	4.3	12.5		04/30/21 03:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1250	649	12.5		04/30/21 03:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1250	335	12.5		04/30/21 03:48	75-65-0	
tert-Butyl Formate	ND	ug/L	625	368	12.5		04/30/21 03:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	12.5	4.0	12.5		04/30/21 03:48	107-06-2	
Diisopropyl ether	ND	ug/L	12.5	3.8	12.5		04/30/21 03:48	108-20-3	
Ethanol	ND	ug/L	2500	902	12.5		04/30/21 03:48	64-17-5	
Ethylbenzene	**152**	ug/L	12.5	3.8	12.5		04/30/21 03:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	125	40.5	12.5		04/30/21 03:48	637-92-3	
Methyl-tert-butyl ether	**11.0J**	ug/L	12.5	5.3	12.5		04/30/21 03:48	1634-04-4	
Naphthalene	ND	ug/L	12.5	8.1	12.5		04/30/21 03:48	91-20-3	
Toluene	**27.5**	ug/L	12.5	6.1	12.5		04/30/21 03:48	108-88-3	
Xylene (Total)	**112**	ug/L	12.5	4.2	12.5		04/30/21 03:48	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		12.5		04/30/21 03:48	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		12.5		04/30/21 03:48	17060-07-0	
Toluene-d8 (S)	98	%	70-130		12.5		04/30/21 03:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-13 **Lab ID: 92535160011** Collected: 04/21/21 11:59 Received: 04/23/21 11:05 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	2500	910	25		04/30/21 04:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	66.5	25		04/30/21 04:06	994-05-8	
Benzene	**88.7**	ug/L	25.0	8.6	25		04/30/21 04:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1300	25		04/30/21 04:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	670	25		04/30/21 04:06	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	735	25		04/30/21 04:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	8.0	25		04/30/21 04:06	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	7.7	25		04/30/21 04:06	108-20-3	
Ethanol	ND	ug/L	5000	1800	25		04/30/21 04:06	64-17-5	
Ethylbenzene	**2260**	ug/L	25.0	7.6	25		04/30/21 04:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	81.0	25		04/30/21 04:06	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	25.0	10.6	25		04/30/21 04:06	1634-04-4	
Naphthalene	**790**	ug/L	25.0	16.1	25		04/30/21 04:06	91-20-3	
Toluene	**83.0**	ug/L	25.0	12.1	25		04/30/21 04:06	108-88-3	
Xylene (Total)	**6800**	ug/L	25.0	8.4	25		04/30/21 04:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		25		04/30/21 04:06	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		25		04/30/21 04:06	17060-07-0	
Toluene-d8 (S)	102	%	70-130		25		04/30/21 04:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-14 **Lab ID: 92535160012** Collected: 04/21/21 08:46 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 02:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 02:19	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 02:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 02:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 02:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 02:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 02:19	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 02:19	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 02:19	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 02:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 02:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 02:19	1634-04-4	
Naphthalene	**0.67J**	ug/L	1.0	0.64	1		04/29/21 02:19	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 02:19	108-88-3	
Xylene (Total)	**1.1**	ug/L	1.0	0.34	1		04/29/21 02:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/29/21 02:19	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/29/21 02:19	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/29/21 02:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-15 **Lab ID: 92535160013** Collected: 04/21/21 09:48 Received: 04/23/21 11:05 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	5000	1820	50		04/29/21 04:43	75-85-4	M1,v1
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/29/21 04:43	994-05-8	
Benzene	**5310**	ug/L	50.0	17.2	50		04/29/21 04:43	71-43-2	M1,R1
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/29/21 04:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		04/29/21 04:43	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/29/21 04:43	762-75-4	R1
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/29/21 04:43	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		04/29/21 04:43	108-20-3	
Ethanol	ND	ug/L	10000	3610	50		04/29/21 04:43	64-17-5	
Ethylbenzene	**901**	ug/L	50.0	15.2	50		04/29/21 04:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		04/29/21 04:43	637-92-3	
Methyl-tert-butyl ether	**34.2J**	ug/L	50.0	21.1	50		04/29/21 04:43	1634-04-4	
Naphthalene	**151**	ug/L	50.0	32.2	50		04/29/21 04:43	91-20-3	
Toluene	**9510**	ug/L	50.0	24.2	50		04/29/21 04:43	108-88-3	M1,R1
Xylene (Total)	**4410**	ug/L	50.0	16.9	50		04/29/21 04:43	1330-20-7	MS
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		50		04/29/21 04:43	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		50		04/29/21 04:43	17060-07-0	
Toluene-d8 (S)	97	%	70-130		50		04/29/21 04:43	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-16 **Lab ID: 92535160014** Collected: 04/21/21 13:05 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 02:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 02:37	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 02:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 02:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 02:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 02:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 02:37	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 02:37	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 02:37	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 02:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 02:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 02:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 02:37	91-20-3	
Toluene	**0.82J**	ug/L	1.0	0.48	1		04/29/21 02:37	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 02:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/29/21 02:37	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/29/21 02:37	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/29/21 02:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-17 **Lab ID: 92535160015** Collected: 04/21/21 12:47 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 02:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 02:55	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 02:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 02:55	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 02:55	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 02:55	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 02:55	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 02:55	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 02:55	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 02:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 02:55	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 02:55	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 02:55	91-20-3	
Toluene	**0.60J**	ug/L	1.0	0.48	1		04/29/21 02:55	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 02:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/29/21 02:55	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/29/21 02:55	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/21 02:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-18 **Lab ID: 92535160016** Collected: 04/21/21 11:31 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 03:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 03:14	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 03:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 03:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 03:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 03:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 03:14	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 03:14	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 03:14	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 03:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 03:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 03:14	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 03:14	91-20-3	
Toluene	**0.49J**	ug/L	1.0	0.48	1		04/29/21 03:14	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 03:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/29/21 03:14	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/29/21 03:14	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/29/21 03:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-19 **Lab ID: 92535160017** Collected: 04/21/21 11:16 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 03:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 03:32	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 03:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 03:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 03:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 03:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 03:32	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 03:32	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 03:32	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 03:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 03:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 03:32	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 03:32	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 03:32	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 03:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		04/29/21 03:32	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		04/29/21 03:32	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/21 03:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-20 **Lab ID: 92535160018** Collected: 04/21/21 10:59 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 03:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 03:50	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 03:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 03:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 03:50	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 03:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 03:50	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 03:50	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 03:50	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 03:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 03:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 03:50	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 03:50	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 03:50	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 03:50	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/29/21 03:50	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/29/21 03:50	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/21 03:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-21 **Lab ID: 92535160019** Collected: 04/21/21 13:07 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 04:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 04:08	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 04:08	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 04:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 04:08	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 04:08	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 04:08	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 04:08	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 04:08	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 04:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 04:08	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 04:08	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 04:08	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 04:08	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 04:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/29/21 04:08	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/29/21 04:08	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/21 04:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-22 **Lab ID: 92535160020** Collected: 04/21/21 12:46 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 04:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 04:26	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 04:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 04:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 04:26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 04:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 04:26	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 04:26	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 04:26	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 04:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 04:26	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 04:26	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 04:26	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 04:26	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 04:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/29/21 04:26	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/29/21 04:26	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/21 04:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-23 **Lab ID: 92535160021** Collected: 04/21/21 14:36 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 04:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 04:44	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 04:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 04:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 04:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 04:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 04:44	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 04:44	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 04:44	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 04:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 04:44	637-92-3	
Methyl-tert-butyl ether	**0.50J**	ug/L	1.0	0.42	1		04/29/21 04:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 04:44	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 04:44	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 04:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/29/21 04:44	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/29/21 04:44	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/29/21 04:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-24 **Lab ID: 92535160022** Collected: 04/22/21 09:30 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 05:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 05:02	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 05:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 05:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 05:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 05:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 05:02	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 05:02	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 05:02	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 05:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 05:02	637-92-3	
Methyl-tert-butyl ether	**2.1**	ug/L	1.0	0.42	1		04/29/21 05:02	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 05:02	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 05:02	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 05:02	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/29/21 05:02	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/29/21 05:02	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/21 05:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-25 **Lab ID: 92535160023** Collected: 04/22/21 09:58 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 23:29	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 23:29	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 23:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 23:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 23:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 23:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 23:29	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 23:29	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 23:29	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 23:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 23:29	637-92-3	
Methyl-tert-butyl ether	**1.2**	ug/L	1.0	0.42	1		04/28/21 23:29	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 23:29	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/28/21 23:29	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 23:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/28/21 23:29	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		04/28/21 23:29	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/28/21 23:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-26 **Lab ID: 92535160024** Collected: 04/21/21 14:45 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 23:47	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 23:47	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 23:47	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 23:47	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 23:47	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 23:47	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 23:47	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 23:47	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 23:47	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 23:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 23:47	637-92-3	
Methyl-tert-butyl ether	**1.3**	ug/L	1.0	0.42	1		04/28/21 23:47	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 23:47	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/28/21 23:47	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 23:47	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/28/21 23:47	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		04/28/21 23:47	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/28/21 23:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-27 **Lab ID: 92535160025** Collected: 04/21/21 14:08 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 00:04	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 00:04	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 00:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 00:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 00:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 00:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 00:04	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 00:04	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 00:04	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 00:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 00:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 00:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 00:04	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 00:04	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 00:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/29/21 00:04	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		04/29/21 00:04	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		04/29/21 00:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-28 **Lab ID: 92535160026** Collected: 04/22/21 09:39 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 00:22	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 00:22	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 00:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 00:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 00:22	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 00:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 00:22	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 00:22	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 00:22	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 00:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 00:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 00:22	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 00:22	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 00:22	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 00:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/29/21 00:22	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		04/29/21 00:22	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/29/21 00:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-29 **Lab ID: 92535160027** Collected: 04/21/21 14:26 Received: 04/23/21 11:05 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	**236**	ug/L	100	36.4	1		04/29/21 00:39	75-85-4	v1
tert-Amylmethyl ether	**2.9J**	ug/L	10.0	2.7	1		04/29/21 00:39	994-05-8	
Benzene	**0.80J**	ug/L	1.0	0.34	1		04/29/21 00:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 00:39	624-95-3	
tert-Butyl Alcohol	**92.0J**	ug/L	100	26.8	1		04/29/21 00:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 00:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 00:39	107-06-2	
Diisopropyl ether	**0.62J**	ug/L	1.0	0.31	1		04/29/21 00:39	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 00:39	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 00:39	100-41-4	
Ethyl-tert-butyl ether	**16.0**	ug/L	10.0	3.2	1		04/29/21 00:39	637-92-3	
Methyl-tert-butyl ether	**45.0**	ug/L	1.0	0.42	1		04/29/21 00:39	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 00:39	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 00:39	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 00:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/29/21 00:39	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		04/29/21 00:39	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/21 00:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-30 **Lab ID: 92535160028** Collected: 04/21/21 12:59 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 00:56	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 00:56	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 00:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 00:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 00:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 00:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 00:56	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 00:56	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 00:56	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 00:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 00:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 00:56	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 00:56	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 00:56	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 00:56	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/29/21 00:56	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/29/21 00:56	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/21 00:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-31 **Lab ID: 92535160029** Collected: 04/22/21 09:19 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 01:14	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 01:14	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 01:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 01:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 01:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 01:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 01:14	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 01:14	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 01:14	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 01:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 01:14	637-92-3	
Methyl-tert-butyl ether	**0.99J**	ug/L	1.0	0.42	1		04/29/21 01:14	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 01:14	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 01:14	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 01:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/29/21 01:14	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		04/29/21 01:14	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/29/21 01:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-32 **Lab ID: 92535160030** Collected: 04/22/21 10:24 Received: 04/23/21 11:05 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	**222**	ug/L	100	36.4	1		04/29/21 16:21	75-85-4	
tert-Amylmethyl ether	**4.3J**	ug/L	10.0	2.7	1		04/29/21 16:21	994-05-8	
Benzene	**144**	ug/L	1.0	0.34	1		04/29/21 16:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 16:21	624-95-3	
tert-Butyl Alcohol	**74.2J**	ug/L	100	26.8	1		04/29/21 16:21	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 16:21	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 16:21	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 16:21	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 16:21	64-17-5	
Ethylbenzene	**0.51J**	ug/L	1.0	0.30	1		04/29/21 16:21	100-41-4	
Ethyl-tert-butyl ether	**7.6J**	ug/L	10.0	3.2	1		04/29/21 16:21	637-92-3	
Methyl-tert-butyl ether	**7.6**	ug/L	1.0	0.42	1		04/29/21 16:21	1634-04-4	
Naphthalene	**2.1**	ug/L	1.0	0.64	1		04/29/21 16:21	91-20-3	
Toluene	**0.59J**	ug/L	1.0	0.48	1		04/29/21 16:21	108-88-3	
Xylene (Total)	**2.0**	ug/L	1.0	0.34	1		04/29/21 16:21	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/29/21 16:21	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/29/21 16:21	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		04/29/21 16:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-34 **Lab ID: 92535160031** Collected: 04/21/21 10:26 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 01:31	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 01:31	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 01:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 01:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 01:31	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 01:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 01:31	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 01:31	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 01:31	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 01:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 01:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 01:31	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 01:31	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 01:31	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 01:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/29/21 01:31	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		04/29/21 01:31	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/21 01:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-35 **Lab ID: 92535160032** Collected: 04/21/21 10:43 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 01:49	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 01:49	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 01:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 01:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 01:49	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 01:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 01:49	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 01:49	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 01:49	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 01:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 01:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 01:49	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 01:49	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 01:49	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 01:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/29/21 01:49	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		04/29/21 01:49	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/29/21 01:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-36 **Lab ID: 92535160033** Collected: 04/21/21 11:45 Received: 04/23/21 11:05 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	**197**	ug/L	100	36.4	1		04/29/21 02:06	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 02:06	994-05-8	
Benzene	**1.3**	ug/L	1.0	0.34	1		04/29/21 02:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 02:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 02:06	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 02:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 02:06	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 02:06	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 02:06	64-17-5	
Ethylbenzene	**4.0**	ug/L	1.0	0.30	1		04/29/21 02:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 02:06	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 02:06	1634-04-4	
Naphthalene	**0.73J**	ug/L	1.0	0.64	1		04/29/21 02:06	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 02:06	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 02:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/29/21 02:06	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		04/29/21 02:06	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/29/21 02:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-37 **Lab ID: 92535160034** Collected: 04/22/21 09:29 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 02:24	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 02:24	994-05-8	
Benzene	**2.8**	ug/L	1.0	0.34	1		04/29/21 02:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 02:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 02:24	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 02:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 02:24	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 02:24	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 02:24	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 02:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 02:24	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 02:24	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 02:24	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 02:24	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 02:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/29/21 02:24	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		04/29/21 02:24	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		04/29/21 02:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-MW-38 **Lab ID: 92535160035** Collected: 04/21/21 14:21 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 02:41	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 02:41	994-05-8	
Benzene	**10**	ug/L	1.0	0.34	1		04/29/21 02:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 02:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 02:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 02:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 02:41	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 02:41	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 02:41	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 02:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 02:41	637-92-3	
Methyl-tert-butyl ether	**3.7**	ug/L	1.0	0.42	1		04/29/21 02:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 02:41	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 02:41	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 02:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/29/21 02:41	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		04/29/21 02:41	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/29/21 02:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-DMW-1 **Lab ID: 92535160036** Collected: 04/22/21 11:25 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 02:59	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 02:59	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 02:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 02:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 02:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 02:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 02:59	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 02:59	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 02:59	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 02:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 02:59	637-92-3	
Methyl-tert-butyl ether	**0.43J**	ug/L	1.0	0.42	1		04/29/21 02:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 02:59	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 02:59	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 02:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/29/21 02:59	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		04/29/21 02:59	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		04/29/21 02:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-DMW-2 **Lab ID: 92535160037** Collected: 04/21/21 13:19 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 03:16	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 03:16	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 03:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 03:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 03:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 03:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 03:16	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 03:16	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 03:16	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 03:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 03:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 03:16	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 03:16	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 03:16	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 03:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/29/21 03:16	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		04/29/21 03:16	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/21 03:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-DMW-3 **Lab ID: 92535160038** Collected: 04/22/21 09:07 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 03:34	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 03:34	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 03:34	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 03:34	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 03:34	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 03:34	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 03:34	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 03:34	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 03:34	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 03:34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 03:34	637-92-3	
Methyl-tert-butyl ether	**1.7**	ug/L	1.0	0.42	1		04/29/21 03:34	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 03:34	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 03:34	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 03:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/29/21 03:34	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/29/21 03:34	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/21 03:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-DMW-4 **Lab ID: 92535160039** Collected: 04/21/21 15:03 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 03:51	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 03:51	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 03:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 03:51	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 03:51	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 03:51	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 03:51	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 03:51	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 03:51	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 03:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 03:51	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 03:51	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 03:51	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 03:51	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 03:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/29/21 03:51	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/29/21 03:51	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/29/21 03:51	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-DMW-5 **Lab ID: 92535160040** Collected: 04/21/21 14:31 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 04:08	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 04:08	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 04:08	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 04:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 04:08	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 04:08	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 04:08	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 04:08	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 04:08	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 04:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 04:08	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/29/21 04:08	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 04:08	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 04:08	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 04:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/29/21 04:08	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/29/21 04:08	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/29/21 04:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-RW-4 **Lab ID: 92535160041** Collected: 04/22/21 10:06 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/30/21 14:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/30/21 14:37	994-05-8	
Benzene	**0.80J**	ug/L	1.0	0.34	1		04/30/21 14:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/30/21 14:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/30/21 14:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/30/21 14:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/21 14:37	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/30/21 14:37	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/30/21 14:37	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/30/21 14:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/30/21 14:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/30/21 14:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/30/21 14:37	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/30/21 14:37	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/30/21 14:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/30/21 14:37	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1		04/30/21 14:37	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		04/30/21 14:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-RW-12 **Lab ID: 92535160042** Collected: 04/22/21 08:54 Received: 04/23/21 11:05 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	**11100**	ug/L	5000	1820	50		04/30/21 01:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/30/21 01:43	994-05-8	
Benzene	**7280**	ug/L	50.0	17.2	50		04/30/21 01:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/30/21 01:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		04/30/21 01:43	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/30/21 01:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/30/21 01:43	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		04/30/21 01:43	108-20-3	
Ethanol	ND	ug/L	10000	3610	50		04/30/21 01:43	64-17-5	
Ethylbenzene	**542**	ug/L	50.0	15.2	50		04/30/21 01:43	100-41-4	
Ethyl-tert-butyl ether	**184J**	ug/L	500	162	50		04/30/21 01:43	637-92-3	
Methyl-tert-butyl ether	**261**	ug/L	50.0	21.1	50		04/30/21 01:43	1634-04-4	
Naphthalene	**123**	ug/L	50.0	32.2	50		04/30/21 01:43	91-20-3	
Toluene	**3620**	ug/L	50.0	24.2	50		04/30/21 01:43	108-88-3	
Xylene (Total)	**4630**	ug/L	50.0	16.9	50		04/30/21 01:43	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		50		04/30/21 01:43	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		50		04/30/21 01:43	17060-07-0	
Toluene-d8 (S)	101	%	70-130		50		04/30/21 01:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-DUP-1 **Lab ID: 92535160043** Collected: 04/21/21 12:01 Received: 04/23/21 11:05 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	2000	728	20		04/30/21 15:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	53.2	20		04/30/21 15:14	994-05-8	
Benzene	**97.6**	ug/L	20.0	6.9	20		04/30/21 15:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	1040	20		04/30/21 15:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	536	20		04/30/21 15:14	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	588	20		04/30/21 15:14	762-75-4	v3
1,2-Dichloroethane	ND	ug/L	20.0	6.4	20		04/30/21 15:14	107-06-2	
Diisopropyl ether	ND	ug/L	20.0	6.2	20		04/30/21 15:14	108-20-3	
Ethanol	ND	ug/L	4000	1440	20		04/30/21 15:14	64-17-5	
Ethylbenzene	**2340**	ug/L	20.0	6.1	20		04/30/21 15:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	64.8	20		04/30/21 15:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	20.0	8.4	20		04/30/21 15:14	1634-04-4	
Naphthalene	**865**	ug/L	20.0	12.9	20		04/30/21 15:14	91-20-3	
Toluene	**89.7**	ug/L	20.0	9.7	20		04/30/21 15:14	108-88-3	
Xylene (Total)	**7120**	ug/L	20.0	6.8	20		04/30/21 15:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		20		04/30/21 15:14	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		20		04/30/21 15:14	17060-07-0	
Toluene-d8 (S)	101	%	70-130		20		04/30/21 15:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-DUP-2 **Lab ID: 92535160044** Collected: 04/22/21 10:26 Received: 04/23/21 11:05 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	**167**	ug/L	100	36.4	1		04/30/21 14:55	75-85-4	
tert-Amylmethyl ether	**4.5J**	ug/L	10.0	2.7	1		04/30/21 14:55	994-05-8	
Benzene	**110**	ug/L	1.0	0.34	1		04/30/21 14:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/30/21 14:55	624-95-3	
tert-Butyl Alcohol	**73.6J**	ug/L	100	26.8	1		04/30/21 14:55	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/30/21 14:55	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/30/21 14:55	107-06-2	
Diisopropyl ether	**0.55J**	ug/L	1.0	0.31	1		04/30/21 14:55	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/30/21 14:55	64-17-5	
Ethylbenzene	**0.34J**	ug/L	1.0	0.30	1		04/30/21 14:55	100-41-4	
Ethyl-tert-butyl ether	**8.0J**	ug/L	10.0	3.2	1		04/30/21 14:55	637-92-3	
Methyl-tert-butyl ether	**7.0**	ug/L	1.0	0.42	1		04/30/21 14:55	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/30/21 14:55	91-20-3	
Toluene	**0.53J**	ug/L	1.0	0.48	1		04/30/21 14:55	108-88-3	
Xylene (Total)	**0.85J**	ug/L	1.0	0.34	1		04/30/21 14:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/30/21 14:55	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		04/30/21 14:55	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		04/30/21 14:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-DUP-3 **Lab ID: 92535160045** Collected: 04/22/21 11:27 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/29/21 23:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/29/21 23:36	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/29/21 23:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/29/21 23:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/29/21 23:36	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/29/21 23:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/29/21 23:36	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/29/21 23:36	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/29/21 23:36	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/29/21 23:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/29/21 23:36	637-92-3	
Methyl-tert-butyl ether	**0.52J**	ug/L	1.0	0.42	1		04/29/21 23:36	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/29/21 23:36	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/29/21 23:36	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/29/21 23:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/29/21 23:36	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/29/21 23:36	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/29/21 23:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-FB-1 **Lab ID: 92535160046** Collected: 04/21/21 08:30 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 17:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 17:19	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 17:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 17:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 17:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 17:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 17:19	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 17:19	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 17:19	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 17:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 17:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/28/21 17:19	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 17:19	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/28/21 17:19	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 17:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/28/21 17:19	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		04/28/21 17:19	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/28/21 17:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-FB-2 **Lab ID: 92535160047** Collected: 04/22/21 11:48 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 17:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 17:37	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 17:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 17:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 17:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 17:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 17:37	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 17:37	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 17:37	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 17:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 17:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/28/21 17:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 17:37	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/28/21 17:37	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 17:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/28/21 17:37	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		04/28/21 17:37	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/28/21 17:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-Trip **Lab ID: 92535160048** Collected: 04/22/21 00:00 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 17:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 17:01	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 17:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 17:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 17:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 17:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 17:01	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 17:01	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 17:01	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 17:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 17:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/28/21 17:01	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 17:01	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/28/21 17:01	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 17:01	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/28/21 17:01	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		04/28/21 17:01	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/28/21 17:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-SW-8 **Lab ID: 92535160049** Collected: 04/22/21 11:17 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 18:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 18:49	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 18:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 18:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 18:49	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 18:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 18:49	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 18:49	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 18:49	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 18:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 18:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/28/21 18:49	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 18:49	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/28/21 18:49	108-88-3	1g
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 18:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/28/21 18:49	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		04/28/21 18:49	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/28/21 18:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-SW-9 **Lab ID: 92535160050** Collected: 04/22/21 11:25 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 19:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 19:07	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 19:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 19:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 19:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 19:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 19:07	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 19:07	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 19:07	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 19:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 19:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/28/21 19:07	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 19:07	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/28/21 19:07	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 19:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/28/21 19:07	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		04/28/21 19:07	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/28/21 19:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-SW DUP-4 **Lab ID: 92535160051** Collected: 04/22/21 11:19 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 19:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 19:25	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 19:25	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 19:25	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 19:25	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 19:25	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 19:25	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 19:25	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 19:25	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 19:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 19:25	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/28/21 19:25	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 19:25	91-20-3	
Toluene	**0.95J**	ug/L	1.0	0.48	1		04/28/21 19:25	108-88-3	1g
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 19:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/28/21 19:25	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		04/28/21 19:25	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/28/21 19:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-SW-2 **Lab ID: 92535160052** Collected: 04/22/21 10:25 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 19:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 19:43	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 19:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 19:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 19:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 19:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 19:43	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 19:43	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 19:43	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 19:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 19:43	637-92-3	
Methyl-tert-butyl ether	**0.45J**	ug/L	1.0	0.42	1		04/28/21 19:43	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 19:43	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/28/21 19:43	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 19:43	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/28/21 19:43	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		04/28/21 19:43	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/28/21 19:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-SW-3 **Lab ID: 92535160053** Collected: 04/22/21 10:36 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 20:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 20:01	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 20:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 20:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 20:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 20:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 20:01	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 20:01	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 20:01	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 20:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 20:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/28/21 20:01	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 20:01	91-20-3	
Toluene	**0.87J**	ug/L	1.0	0.48	1		04/28/21 20:01	108-88-3	1g
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 20:01	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/28/21 20:01	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		04/28/21 20:01	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/28/21 20:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-SW-6 **Lab ID: 92535160054** Collected: 04/22/21 10:52 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 20:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 20:19	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 20:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 20:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 20:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 20:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 20:19	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 20:19	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 20:19	64-17-5	
Ethylbenzene	**1.2**	ug/L	1.0	0.30	1		04/28/21 20:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 20:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/28/21 20:19	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 20:19	91-20-3	
Toluene	**0.67J**	ug/L	1.0	0.48	1		04/28/21 20:19	108-88-3	1g
Xylene (Total)	**4.4**	ug/L	1.0	0.34	1		04/28/21 20:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/28/21 20:19	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		04/28/21 20:19	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/28/21 20:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-SW-7 **Lab ID: 92535160055** Collected: 04/22/21 11:12 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 20:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 20:37	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 20:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 20:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 20:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 20:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 20:37	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 20:37	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 20:37	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 20:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 20:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/28/21 20:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 20:37	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/28/21 20:37	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 20:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/28/21 20:37	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		04/28/21 20:37	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/28/21 20:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-Trip 2 **Lab ID: 92535160056** Collected: 04/22/21 00:00 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 16:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 16:24	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 16:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 16:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 16:24	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 16:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 16:24	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 16:24	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 16:24	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 16:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 16:24	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/28/21 16:24	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 16:24	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/28/21 16:24	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 16:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/28/21 16:24	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1		04/28/21 16:24	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/28/21 16:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Sample: 01589-Trip 3 **Lab ID: 92535160057** Collected: 04/22/21 00:00 Received: 04/23/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 16:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 16:43	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/28/21 16:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 16:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 16:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 16:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/28/21 16:43	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 16:43	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 16:43	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/28/21 16:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 16:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/28/21 16:43	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/28/21 16:43	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/28/21 16:43	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/28/21 16:43	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/28/21 16:43	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		04/28/21 16:43	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/28/21 16:43	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

QC Batch: 616798
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92535160003, 92535160004, 92535160005, 92535160012, 92535160014, 92535160015, 92535160016, 92535160017, 92535160018, 92535160019, 92535160020, 92535160021, 92535160022

METHOD BLANK: 3245428
Matrix: Water
Associated Lab Samples: 92535160003, 92535160004, 92535160005, 92535160012, 92535160014, 92535160015, 92535160016, 92535160017, 92535160018, 92535160019, 92535160020, 92535160021, 92535160022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/28/21 23:37	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/28/21 23:37	
Benzene	ug/L	ND	1.0	0.34	04/28/21 23:37	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/28/21 23:37	
Ethanol	ug/L	ND	200	72.2	04/28/21 23:37	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/28/21 23:37	
Ethylbenzene	ug/L	ND	1.0	0.30	04/28/21 23:37	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/28/21 23:37	
Naphthalene	ug/L	ND	1.0	0.64	04/28/21 23:37	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/28/21 23:37	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/28/21 23:37	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/28/21 23:37	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/28/21 23:37	
Toluene	ug/L	ND	1.0	0.48	04/28/21 23:37	
Xylene (Total)	ug/L	ND	1.0	0.34	04/28/21 23:37	
1,2-Dichloroethane-d4 (S)	%	102	70-130		04/28/21 23:37	
4-Bromofluorobenzene (S)	%	98	70-130		04/28/21 23:37	
Toluene-d8 (S)	%	102	70-130		04/28/21 23:37	

LABORATORY CONTROL SAMPLE: 3245429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	48.8	98	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1000	100	70-130	
Benzene	ug/L	50	50.3	101	70-130	
Diisopropyl ether	ug/L	50	50.9	102	70-130	
Ethanol	ug/L	2000	1930	97	70-130	
Ethyl-tert-butyl ether	ug/L	100	105	105	70-130	
Ethylbenzene	ug/L	50	50.6	101	70-130	
Methyl-tert-butyl ether	ug/L	50	50.4	101	70-130	
Naphthalene	ug/L	50	47.5	95	70-130	
tert-Amyl Alcohol	ug/L	1000	920	92	70-130	
tert-Amylmethyl ether	ug/L	100	99.4	99	70-130	
tert-Butyl Alcohol	ug/L	500	448	90	70-130	
tert-Butyl Formate	ug/L	400	409	102	70-130	
Toluene	ug/L	50	49.3	99	70-130	
Xylene (Total)	ug/L	150	151	100	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

LABORATORY CONTROL SAMPLE: 3245429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3246829 3246830

Parameter	Units	92535160003 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	16.3	23.1	82	115	70-137	34	30	R1
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	316	436	79	109	39-157	32	30	R1
Benzene	ug/L	7.5	20	20	26.8	34.5	97	135	70-151	25	30	
Diisopropyl ether	ug/L	ND	20	20	17.4	24.4	87	122	63-144	34	30	R1
Ethanol	ug/L	ND	800	800	697	936	87	117	39-176	29	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	35.2	48.9	88	122	66-137	33	30	R1
Ethylbenzene	ug/L	ND	20	20	16.9	23.8	84	119	66-153	34	30	R1
Methyl-tert-butyl ether	ug/L	ND	20	20	17.2	23.4	86	117	54-156	31	30	R1
Naphthalene	ug/L	ND	20	20	17.4	20.8	86	103	61-148	18	30	
tert-Amyl Alcohol	ug/L	ND	400	400	343	454	86	114	54-153	28	30	
tert-Amylmethyl ether	ug/L	ND	40	40	31.3	43.7	78	109	69-139	33	30	R1
tert-Butyl Alcohol	ug/L	ND	200	200	181	253	90	126	43-188	33	30	R1
tert-Butyl Formate	ug/L	ND	160	160	101	118	63	74	10-170	16	30	
Toluene	ug/L	ND	20	20	17.0	23.6	85	118	59-148	32	30	R1
Xylene (Total)	ug/L	ND	60	60	50.0	70.1	83	117	63-158	33	30	RS
1,2-Dichloroethane-d4 (S)	%						103	103	70-130			
4-Bromofluorobenzene (S)	%						98	96	70-130			
Toluene-d8 (S)	%						97	96	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

QC Batch: 616800
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92535160013, 92535160023, 92535160024, 92535160025, 92535160026, 92535160027, 92535160028, 92535160029, 92535160031, 92535160032, 92535160033, 92535160034, 92535160035, 92535160036, 92535160037, 92535160038, 92535160039, 92535160040

METHOD BLANK: 3245440
Matrix: Water
Associated Lab Samples: 92535160013, 92535160023, 92535160024, 92535160025, 92535160026, 92535160027, 92535160028, 92535160029, 92535160031, 92535160032, 92535160033, 92535160034, 92535160035, 92535160036, 92535160037, 92535160038, 92535160039, 92535160040

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/28/21 22:55	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/28/21 22:55	
Benzene	ug/L	ND	1.0	0.34	04/28/21 22:55	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/28/21 22:55	
Ethanol	ug/L	ND	200	72.2	04/28/21 22:55	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/28/21 22:55	
Ethylbenzene	ug/L	ND	1.0	0.30	04/28/21 22:55	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/28/21 22:55	
Naphthalene	ug/L	ND	1.0	0.64	04/28/21 22:55	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/28/21 22:55	v1
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/28/21 22:55	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/28/21 22:55	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/28/21 22:55	
Toluene	ug/L	ND	1.0	0.48	04/28/21 22:55	
Xylene (Total)	ug/L	ND	1.0	0.34	04/28/21 22:55	
1,2-Dichloroethane-d4 (S)	%	95	70-130		04/28/21 22:55	
4-Bromofluorobenzene (S)	%	98	70-130		04/28/21 22:55	
Toluene-d8 (S)	%	103	70-130		04/28/21 22:55	

LABORATORY CONTROL SAMPLE: 3245441

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	47.0	94	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	828	83	70-130	
Benzene	ug/L	50	48.6	97	70-130	
Diisopropyl ether	ug/L	50	46.2	92	70-130	
Ethanol	ug/L	2000	1850	92	70-130	
Ethyl-tert-butyl ether	ug/L	100	98.0	98	70-130	
Ethylbenzene	ug/L	50	47.6	95	70-130	
Methyl-tert-butyl ether	ug/L	50	51.5	103	70-130	
Naphthalene	ug/L	50	45.7	91	70-130	
tert-Amyl Alcohol	ug/L	1000	1040	104	70-130	v1
tert-Amylmethyl ether	ug/L	100	97.6	98	70-130	
tert-Butyl Alcohol	ug/L	500	452	90	70-130	
tert-Butyl Formate	ug/L	400	422	105	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

LABORATORY CONTROL SAMPLE: 3245441

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	46.7	93	70-130	
Xylene (Total)	ug/L	150	140	93	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3245442 3245443

Parameter	Units	92535160013 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	1000	1000	1130	928	113	93	70-137	20	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	20000	20000	18300	15100	91	76	39-157	19	30	
Benzene	ug/L	5310	1000	1000	6520	9130	122	383	70-151	33	30	M1,R1
Diisopropyl ether	ug/L	ND	1000	1000	1000	742	100	74	63-144	30	30	
Ethanol	ug/L	ND	40000	40000	31800	31500	80	79	39-176	1	30	
Ethyl-tert-butyl ether	ug/L	ND	2000	2000	2340	1910	110	89	66-137	20	30	
Ethylbenzene	ug/L	901	1000	1000	1940	2290	104	139	66-153	16	30	
Methyl-tert-butyl ether	ug/L	34.2J	1000	1000	1180	881	114	85	54-156	29	30	
Naphthalene	ug/L	151	1000	1000	963	932	81	78	61-148	3	30	
tert-Amyl Alcohol	ug/L	ND	20000	20000	35200	43100	176	216	54-153	20	30	M1,v1
tert-Amylmethyl ether	ug/L	ND	2000	2000	1930	1580	97	79	69-139	20	30	
tert-Butyl Alcohol	ug/L	ND	10000	10000	11400	9800	108	92	43-188	15	30	
tert-Butyl Formate	ug/L	ND	8000	8000	7080	4740	89	59	10-170	40	30	R1
Toluene	ug/L	9510	1000	1000	10200	14800	69	525	59-148	37	30	E,M1,R1
Xylene (Total)	ug/L	4410	3000	3000	7520	9350	104	165	63-158	22	30	MS
1,2-Dichloroethane-d4 (S)	%						110	106	70-130			
4-Bromofluorobenzene (S)	%						97	95	70-130			
Toluene-d8 (S)	%						96	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

QC Batch: 616862
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92535160046, 92535160047, 92535160048, 92535160049, 92535160050, 92535160051, 92535160052, 92535160053, 92535160054, 92535160055, 92535160056, 92535160057

METHOD BLANK: 3245874 Matrix: Water
Associated Lab Samples: 92535160046, 92535160047, 92535160048, 92535160049, 92535160050, 92535160051, 92535160052, 92535160053, 92535160054, 92535160055, 92535160056, 92535160057

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/28/21 15:48	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/28/21 15:48	
Benzene	ug/L	ND	1.0	0.34	04/28/21 15:48	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/28/21 15:48	
Ethanol	ug/L	ND	200	72.2	04/28/21 15:48	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/28/21 15:48	
Ethylbenzene	ug/L	ND	1.0	0.30	04/28/21 15:48	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/28/21 15:48	
Naphthalene	ug/L	ND	1.0	0.64	04/28/21 15:48	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/28/21 15:48	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/28/21 15:48	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/28/21 15:48	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/28/21 15:48	
Toluene	ug/L	ND	1.0	0.48	04/28/21 15:48	
Xylene (Total)	ug/L	ND	1.0	0.34	04/28/21 15:48	
1,2-Dichloroethane-d4 (S)	%	94	70-130		04/28/21 15:48	
4-Bromofluorobenzene (S)	%	98	70-130		04/28/21 15:48	
Toluene-d8 (S)	%	100	70-130		04/28/21 15:48	

LABORATORY CONTROL SAMPLE: 3245875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	47.9	96	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1090	109	70-130	
Benzene	ug/L	50	53.6	107	70-130	
Diisopropyl ether	ug/L	50	50.3	101	70-130	
Ethanol	ug/L	2000	2250	112	70-130	
Ethyl-tert-butyl ether	ug/L	100	104	104	70-130	
Ethylbenzene	ug/L	50	51.1	102	70-130	
Methyl-tert-butyl ether	ug/L	50	49.5	99	70-130	
Naphthalene	ug/L	50	56.9	114	70-130	
tert-Amyl Alcohol	ug/L	1000	1060	106	70-130	
tert-Amylmethyl ether	ug/L	100	103	103	70-130	
tert-Butyl Alcohol	ug/L	500	523	105	70-130	
tert-Butyl Formate	ug/L	400	413	103	70-130	
Toluene	ug/L	50	52.2	104	70-130	
Xylene (Total)	ug/L	150	154	103	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

LABORATORY CONTROL SAMPLE: 3245875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3245876 3245877

Parameter	Units	92535174001 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	24.0	20.3	120	102	70-137	17	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	486	401	122	100	39-157	19	30	
Benzene	ug/L	ND	20	20	26.2	22.5	131	112	70-151	15	30	
Diisopropyl ether	ug/L	ND	20	20	23.3	20.2	117	101	63-144	15	30	
Ethanol	ug/L	ND	800	800	1040	916	130	115	39-176	13	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	49.2	42.1	123	105	66-137	15	30	
Ethylbenzene	ug/L	ND	20	20	25.0	21.9	125	110	66-153	13	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	25.0	21.7	125	109	54-156	14	30	
Naphthalene	ug/L	ND	20	20	23.1	19.3	116	97	61-148	18	30	
tert-Amyl Alcohol	ug/L	ND	400	400	535	437	134	109	54-153	20	30	
tert-Amylmethyl ether	ug/L	ND	40	40	47.2	40.1	118	100	69-139	16	30	
tert-Butyl Alcohol	ug/L	ND	200	200	342	293	171	147	43-188	15	30	
tert-Butyl Formate	ug/L	ND	160	160	88.2	66.0	55	41	10-170	29	30	
Toluene	ug/L	ND	20	20	24.9	21.6	125	108	59-148	14	30	
Xylene (Total)	ug/L	ND	60	60	73.2	64.5	122	107	63-158	13	30	
1,2-Dichloroethane-d4 (S)	%						97	98	70-130			
4-Bromofluorobenzene (S)	%						100	99	70-130			HS
Toluene-d8 (S)	%						100	100	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

QC Batch: 616870
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92535160042, 92535160045

METHOD BLANK: 3246014 Matrix: Water
Associated Lab Samples: 92535160042, 92535160045

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/29/21 16:22	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/29/21 16:22	
Benzene	ug/L	ND	1.0	0.34	04/29/21 16:22	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/29/21 16:22	
Ethanol	ug/L	ND	200	72.2	04/29/21 16:22	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/29/21 16:22	
Ethylbenzene	ug/L	ND	1.0	0.30	04/29/21 16:22	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/29/21 16:22	
Naphthalene	ug/L	ND	1.0	0.64	04/29/21 16:22	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/29/21 16:22	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/29/21 16:22	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/29/21 16:22	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/29/21 16:22	
Toluene	ug/L	ND	1.0	0.48	04/29/21 16:22	
Xylene (Total)	ug/L	ND	1.0	0.34	04/29/21 16:22	
1,2-Dichloroethane-d4 (S)	%	96	70-130		04/29/21 16:22	
4-Bromofluorobenzene (S)	%	99	70-130		04/29/21 16:22	
Toluene-d8 (S)	%	101	70-130		04/29/21 16:22	

LABORATORY CONTROL SAMPLE: 3246015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	45.1	90	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	997	100	70-130	
Benzene	ug/L	50	47.8	96	70-130	
Diisopropyl ether	ug/L	50	45.9	92	70-130	
Ethanol	ug/L	2000	2070	104	70-130	
Ethyl-tert-butyl ether	ug/L	100	96.0	96	70-130	
Ethylbenzene	ug/L	50	47.4	95	70-130	
Methyl-tert-butyl ether	ug/L	50	47.2	94	70-130	
Naphthalene	ug/L	50	53.5	107	70-130	
tert-Amyl Alcohol	ug/L	1000	986	99	70-130	
tert-Amylmethyl ether	ug/L	100	94.2	94	70-130	
tert-Butyl Alcohol	ug/L	500	496	99	70-130	
tert-Butyl Formate	ug/L	400	383	96	70-130	
Toluene	ug/L	50	46.4	93	70-130	
Xylene (Total)	ug/L	150	142	95	70-130	
1,2-Dichloroethane-d4 (S)	%			97	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

LABORATORY CONTROL SAMPLE: 3246015

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3246016 3246017

Parameter	Units	92535431011 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	19.6	19.9	98	99	70-137	2	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	378	392	94	98	39-157	4	30	
Benzene	ug/L	ND	20	20	22.0	22.1	110	111	70-151	1	30	
Diisopropyl ether	ug/L	ND	20	20	20.1	20.7	101	104	63-144	3	30	
Ethanol	ug/L	ND	800	800	869	891	109	111	39-176	3	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	40.7	41.3	102	103	66-137	2	30	
Ethylbenzene	ug/L	ND	20	20	21.4	22.0	107	110	66-153	3	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.4	19.5	97	97	54-156	0	30	
Naphthalene	ug/L	ND	20	20	21.6	21.5	108	108	61-148	0	30	
tert-Amyl Alcohol	ug/L	ND	400	400	384	397	96	99	54-153	3	30	
tert-Amylmethyl ether	ug/L	ND	40	40	40.3	40.4	101	101	69-139	0	30	
tert-Butyl Alcohol	ug/L	ND	200	200	252	264	126	132	43-188	5	30	
tert-Butyl Formate	ug/L	ND	160	160	42.5J	ND	27	17	10-170		30	
Toluene	ug/L	ND	20	20	21.3	21.6	106	108	59-148	1	30	
Xylene (Total)	ug/L	ND	60	60	62.7	65.2	105	109	63-158	4	30	
1,2-Dichloroethane-d4 (S)	%						97	98	70-130			
4-Bromofluorobenzene (S)	%						99	101	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

QC Batch: 617110
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92535160007, 92535160008

METHOD BLANK: 3247005 Matrix: Water
Associated Lab Samples: 92535160007, 92535160008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/29/21 12:53	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/29/21 12:53	
Benzene	ug/L	ND	1.0	0.34	04/29/21 12:53	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/29/21 12:53	
Ethanol	ug/L	ND	200	72.2	04/29/21 12:53	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/29/21 12:53	
Ethylbenzene	ug/L	ND	1.0	0.30	04/29/21 12:53	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/29/21 12:53	
Naphthalene	ug/L	ND	1.0	0.64	04/29/21 12:53	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/29/21 12:53	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/29/21 12:53	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/29/21 12:53	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/29/21 12:53	
Toluene	ug/L	ND	1.0	0.48	04/29/21 12:53	
Xylene (Total)	ug/L	ND	1.0	0.34	04/29/21 12:53	
1,2-Dichloroethane-d4 (S)	%	95	70-130		04/29/21 12:53	
4-Bromofluorobenzene (S)	%	97	70-130		04/29/21 12:53	
Toluene-d8 (S)	%	102	70-130		04/29/21 12:53	

LABORATORY CONTROL SAMPLE: 3247006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	49.6	99	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1040	104	70-130	
Benzene	ug/L	50	51.5	103	70-130	
Diisopropyl ether	ug/L	50	52.0	104	70-130	
Ethanol	ug/L	2000	2120	106	70-130	
Ethyl-tert-butyl ether	ug/L	100	106	106	70-130	
Ethylbenzene	ug/L	50	50.0	100	70-130	
Methyl-tert-butyl ether	ug/L	50	50.3	101	70-130	
Naphthalene	ug/L	50	53.5	107	70-130	
tert-Amyl Alcohol	ug/L	1000	1040	104	70-130	
tert-Amylmethyl ether	ug/L	100	100	100	70-130	
tert-Butyl Alcohol	ug/L	500	522	104	70-130	
tert-Butyl Formate	ug/L	400	415	104	70-130	
Toluene	ug/L	50	49.8	100	70-130	
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			99	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

LABORATORY CONTROL SAMPLE: 3247006

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3247007 3248597

Parameter	Units	92535600003 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	24.9	23.1	124	116	70-137	7	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	480	435	120	109	39-157	10	30	
Benzene	ug/L	ND	20	20	27.1	25.6	136	128	70-151	6	30	
Diisopropyl ether	ug/L	ND	20	20	25.3	23.5	127	117	63-144	8	30	
Ethanol	ug/L	ND	800	800	1060	1010	133	127	39-176	5	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	52.0	47.8	130	120	66-137	8	30	
Ethylbenzene	ug/L	ND	20	20	26.3	24.9	132	125	66-153	5	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	24.5	22.8	122	114	54-156	7	30	
Naphthalene	ug/L	ND	20	20	25.8	24.6	129	123	61-148	5	30	
tert-Amyl Alcohol	ug/L	ND	400	400	489	438	122	110	54-153	11	30	
tert-Amylmethyl ether	ug/L	ND	40	40	49.9	46.4	125	116	69-139	7	30	
tert-Butyl Alcohol	ug/L	ND	200	200	248	230	124	115	43-188	8	30	
tert-Butyl Formate	ug/L	ND	160	160	175	144	110	90	10-170	19	30	
Toluene	ug/L	ND	20	20	26.3	24.6	132	123	59-148	7	30	
Xylene (Total)	ug/L	ND	60	60	77.6	73.1	129	122	63-158	6	30	
1,2-Dichloroethane-d4 (S)	%						97	95	70-130			
4-Bromofluorobenzene (S)	%						99	100	70-130			
Toluene-d8 (S)	%						101	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

QC Batch: 617111
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92535160001, 92535160009, 92535160030

METHOD BLANK: 3247009 Matrix: Water
Associated Lab Samples: 92535160001, 92535160009, 92535160030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/29/21 12:35	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/29/21 12:35	
Benzene	ug/L	ND	1.0	0.34	04/29/21 12:35	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/29/21 12:35	
Ethanol	ug/L	ND	200	72.2	04/29/21 12:35	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/29/21 12:35	
Ethylbenzene	ug/L	ND	1.0	0.30	04/29/21 12:35	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/29/21 12:35	
Naphthalene	ug/L	ND	1.0	0.64	04/29/21 12:35	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/29/21 12:35	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/29/21 12:35	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/29/21 12:35	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/29/21 12:35	
Toluene	ug/L	ND	1.0	0.48	04/29/21 12:35	
Xylene (Total)	ug/L	ND	1.0	0.34	04/29/21 12:35	
1,2-Dichloroethane-d4 (S)	%	99	70-130		04/29/21 12:35	
4-Bromofluorobenzene (S)	%	100	70-130		04/29/21 12:35	
Toluene-d8 (S)	%	102	70-130		04/29/21 12:35	

LABORATORY CONTROL SAMPLE: 3247010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.2	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	889	89	70-130	
Benzene	ug/L	50	48.5	97	70-130	
Diisopropyl ether	ug/L	50	44.8	90	70-130	
Ethanol	ug/L	2000	1890	95	70-130	
Ethyl-tert-butyl ether	ug/L	100	98.2	98	70-130	
Ethylbenzene	ug/L	50	49.6	99	70-130	
Methyl-tert-butyl ether	ug/L	50	52.1	104	70-130	
Naphthalene	ug/L	50	46.5	93	70-130	
tert-Amyl Alcohol	ug/L	1000	1030	103	70-130	
tert-Amylmethyl ether	ug/L	100	96.0	96	70-130	
tert-Butyl Alcohol	ug/L	500	473	95	70-130	
tert-Butyl Formate	ug/L	400	423	106	70-130	
Toluene	ug/L	50	46.8	94	70-130	
Xylene (Total)	ug/L	150	147	98	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

LABORATORY CONTROL SAMPLE: 3247010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3247011 3247012

Parameter	Units	92535155002 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	400	400	451	389	113	97	70-137	15	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	8000	8000	6630	6480	83	81	39-157	2	30	
Benzene	ug/L	32.6	400	400	450	410	104	94	70-151	9	30	
Diisopropyl ether	ug/L	ND	400	400	346	310	86	77	63-144	11	30	
Ethanol	ug/L	ND	16000	16000	12400	13500	77	84	39-176	9	30	
Ethyl-tert-butyl ether	ug/L	ND	800	800	730	655	91	82	66-137	11	30	
Ethylbenzene	ug/L	332	400	400	761	721	107	97	66-153	5	30	
Methyl-tert-butyl ether	ug/L	ND	400	400	395	371	99	93	54-156	6	30	
Naphthalene	ug/L	145	400	400	505	515	90	93	61-148	2	30	
tert-Amyl Alcohol	ug/L	ND	8000	8000	6980	6420	87	80	54-153	8	30	
tert-Amylmethyl ether	ug/L	ND	800	800	744	681	93	85	69-139	9	30	
tert-Butyl Alcohol	ug/L	ND	4000	4000	3960	3560	99	89	43-188	11	30	
tert-Butyl Formate	ug/L	ND	3200	3200	2420	2190	76	68	10-170	10	30	
Toluene	ug/L	2040	400	400	2390	2430	86	95	59-148	2	30	
Xylene (Total)	ug/L	2130	1200	1200	3480	3350	112	102	63-158	4	30	
1,2-Dichloroethane-d4 (S)	%						107	111	70-130			
4-Bromofluorobenzene (S)	%						92	93	70-130			
Toluene-d8 (S)	%						94	94	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

QC Batch: 617113
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92535160002, 92535160006, 92535160010, 92535160011

METHOD BLANK: 3247018 Matrix: Water
Associated Lab Samples: 92535160002, 92535160006, 92535160010, 92535160011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/30/21 01:59	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/30/21 01:59	
Benzene	ug/L	ND	1.0	0.34	04/30/21 01:59	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/30/21 01:59	
Ethanol	ug/L	ND	200	72.2	04/30/21 01:59	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/30/21 01:59	
Ethylbenzene	ug/L	ND	1.0	0.30	04/30/21 01:59	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/30/21 01:59	
Naphthalene	ug/L	ND	1.0	0.64	04/30/21 01:59	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/30/21 01:59	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/30/21 01:59	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/30/21 01:59	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/30/21 01:59	
Toluene	ug/L	ND	1.0	0.48	04/30/21 01:59	
Xylene (Total)	ug/L	ND	1.0	0.34	04/30/21 01:59	
1,2-Dichloroethane-d4 (S)	%	99	70-130		04/30/21 01:59	
4-Bromofluorobenzene (S)	%	100	70-130		04/30/21 01:59	
Toluene-d8 (S)	%	98	70-130		04/30/21 01:59	

LABORATORY CONTROL SAMPLE: 3247019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.0	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1050	105	70-130	
Benzene	ug/L	50	49.2	98	70-130	
Diisopropyl ether	ug/L	50	48.9	98	70-130	
Ethanol	ug/L	2000	1910	96	70-130	
Ethyl-tert-butyl ether	ug/L	100	102	102	70-130	
Ethylbenzene	ug/L	50	49.9	100	70-130	
Methyl-tert-butyl ether	ug/L	50	49.3	99	70-130	
Naphthalene	ug/L	50	52.5	105	70-130	
tert-Amyl Alcohol	ug/L	1000	994	99	70-130	
tert-Amylmethyl ether	ug/L	100	97.4	97	70-130	
tert-Butyl Alcohol	ug/L	500	516	103	70-130	
tert-Butyl Formate	ug/L	400	404	101	70-130	
Toluene	ug/L	50	49.2	98	70-130	
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichloroethane-d4 (S)	%			94	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
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(704)875-9092

QUALITY CONTROL DATA

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

LABORATORY CONTROL SAMPLE: 3247019

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3247020 3247021

Parameter	Units	92535160002 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	5000	5000	5190	5770	104	115	70-137	11	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	100000	100000	101000	135000	101	135	39-157	29	30	
Benzene	ug/L	12100	5000	5000	16900	19900	98	157	70-151	16	30	M1
Diisopropyl ether	ug/L	ND	5000	5000	5050	5820	101	116	63-144	14	30	
Ethanol	ug/L	ND	200000	200000	196000	248000	98	124	39-176	24	30	
Ethyl-tert-butyl ether	ug/L	ND	10000	10000	10800	12800	105	124	66-137	17	30	
Ethylbenzene	ug/L	1500	5000	5000	6980	8010	109	130	66-153	14	30	
Methyl-tert-butyl ether	ug/L	913	5000	5000	6240	7030	106	122	54-156	12	30	
Naphthalene	ug/L	561	5000	5000	5470	6400	98	117	61-148	16	30	
tert-Amyl Alcohol	ug/L	37700	100000	100000	137000	181000	99	144	54-153	28	30	
tert-Amylmethyl ether	ug/L	ND	10000	10000	9900	12300	99	123	69-139	21	30	
tert-Butyl Alcohol	ug/L	ND	50000	50000	56800	67400	105	127	43-188	17	30	
tert-Butyl Formate	ug/L	ND	40000	40000	40100	47500	100	119	10-170	17	30	
Toluene	ug/L	26300	5000	5000	30900	36300	93	202	59-148	16	30	M1
Xylene (Total)	ug/L	11100	15000	15000	26900	31100	105	133	63-158	14	30	
1,2-Dichloroethane-d4 (S)	%						100	97	70-130			
4-Bromofluorobenzene (S)	%						101	99	70-130			
Toluene-d8 (S)	%						98	100	70-130			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

QC Batch: 617412
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92535160041, 92535160043, 92535160044

METHOD BLANK: 3248544 Matrix: Water
Associated Lab Samples: 92535160041, 92535160043, 92535160044

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/30/21 14:19	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/30/21 14:19	
Benzene	ug/L	ND	1.0	0.34	04/30/21 14:19	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/30/21 14:19	
Ethanol	ug/L	ND	200	72.2	04/30/21 14:19	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/30/21 14:19	
Ethylbenzene	ug/L	ND	1.0	0.30	04/30/21 14:19	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/30/21 14:19	
Naphthalene	ug/L	ND	1.0	0.64	04/30/21 14:19	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/30/21 14:19	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/30/21 14:19	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/30/21 14:19	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/30/21 14:19	
Toluene	ug/L	ND	1.0	0.48	04/30/21 14:19	
Xylene (Total)	ug/L	ND	1.0	0.34	04/30/21 14:19	
1,2-Dichloroethane-d4 (S)	%	94	70-130		04/30/21 14:19	
4-Bromofluorobenzene (S)	%	98	70-130		04/30/21 14:19	
Toluene-d8 (S)	%	100	70-130		04/30/21 14:19	

LABORATORY CONTROL SAMPLE: 3248545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.4	101	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1150	115	70-130	
Benzene	ug/L	50	49.8	100	70-130	
Diisopropyl ether	ug/L	50	50.3	101	70-130	
Ethanol	ug/L	2000	2070	104	70-130	
Ethyl-tert-butyl ether	ug/L	100	104	104	70-130	
Ethylbenzene	ug/L	50	53.1	106	70-130	
Methyl-tert-butyl ether	ug/L	50	51.2	102	70-130	
Naphthalene	ug/L	50	54.6	109	70-130	
tert-Amyl Alcohol	ug/L	1000	1060	106	70-130	
tert-Amylmethyl ether	ug/L	100	101	101	70-130	
tert-Butyl Alcohol	ug/L	500	546	109	70-130	
tert-Butyl Formate	ug/L	400	422	106	70-130	
Toluene	ug/L	50	50.6	101	70-130	
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

LABORATORY CONTROL SAMPLE: 3248545

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3248546 3248547

Parameter	Units	92535160043 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	400	400	396	375	99	94	70-137	5	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	8000	8000	8430	7900	105	99	39-157	7	30	
Benzene	ug/L	97.6	400	400	568	528	118	108	70-151	7	30	
Diisopropyl ether	ug/L	ND	400	400	350	330	87	82	63-144	6	30	
Ethanol	ug/L	ND	16000	16000	15100	14300	94	89	39-176	5	30	
Ethyl-tert-butyl ether	ug/L	ND	800	800	784	738	98	92	66-137	6	30	
Ethylbenzene	ug/L	2340	400	400	2860	2770	129	106	66-153	3	30	
Methyl-tert-butyl ether	ug/L	ND	400	400	395	369	99	92	54-156	7	30	
Naphthalene	ug/L	865	400	400	1200	1170	83	75	61-148	3	30	
tert-Amyl Alcohol	ug/L	ND	8000	8000	8480	7700	106	96	54-153	10	30	
tert-Amylmethyl ether	ug/L	ND	800	800	838	781	105	98	69-139	7	30	
tert-Butyl Alcohol	ug/L	ND	4000	4000	3870	3550	97	89	43-188	9	30	
tert-Butyl Formate	ug/L	ND	3200	3200	2320	2190	72	68	10-170	6	30	v3
Toluene	ug/L	89.7	400	400	538	506	112	104	59-148	6	30	
Xylene (Total)	ug/L	7120	1200	1200	8530	8290	117	97	63-158	3	30	
1,2-Dichloroethane-d4 (S)	%						90	89	70-130			
4-Bromofluorobenzene (S)	%						97	97	70-130			
Toluene-d8 (S)	%						100	98	70-130			

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1g	possible laboratory contamination
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
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.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92535160001	**01589-MW-1**	EPA 8260D	617111		
92535160002	**01589-MW-2**	EPA 8260D	617113		
92535160003	**01589-MW-3**	EPA 8260D	616798		
92535160004	**01589-MW-4**	EPA 8260D	616798		
92535160005	**01589-MW-5**	EPA 8260D	616798		
92535160006	**01589-MW-7**	EPA 8260D	617113		
92535160007	**01589-MW-8**	EPA 8260D	617110		
92535160008	**01589-MW-10**	EPA 8260D	617110		
92535160009	**01589-MW-11**	EPA 8260D	617111		
92535160010	**01589-MW-12**	EPA 8260D	617113		
92535160011	**01589-MW-13**	EPA 8260D	617113		
92535160012	**01589-MW-14**	EPA 8260D	616798		
92535160013	**01589-MW-15**	EPA 8260D	616800		
92535160014	**01589-MW-16**	EPA 8260D	616798		
92535160015	**01589-MW-17**	EPA 8260D	616798		
92535160016	**01589-MW-18**	EPA 8260D	616798		
92535160017	**01589-MW-19**	EPA 8260D	616798		
92535160018	**01589-MW-20**	EPA 8260D	616798		
92535160019	**01589-MW-21**	EPA 8260D	616798		
92535160020	**01589-MW-22**	EPA 8260D	616798		
92535160021	**01589-MW-23**	EPA 8260D	616798		
92535160022	**01589-MW-24**	EPA 8260D	616798		
92535160023	**01589-MW-25**	EPA 8260D	616800		
92535160024	**01589-MW-26**	EPA 8260D	616800		
92535160025	**01589-MW-27**	EPA 8260D	616800		
92535160026	**01589-MW-28**	EPA 8260D	616800		
92535160027	**01589-MW-29**	EPA 8260D	616800		
92535160028	**01589-MW-30**	EPA 8260D	616800		
92535160029	**01589-MW-31**	EPA 8260D	616800		
92535160030	**01589-MW-32**	EPA 8260D	617111		
92535160031	**01589-MW-34**	EPA 8260D	616800		
92535160032	**01589-MW-35**	EPA 8260D	616800		
92535160033	**01589-MW-36**	EPA 8260D	616800		
92535160034	**01589-MW-37**	EPA 8260D	616800		
92535160035	**01589-MW-38**	EPA 8260D	616800		
92535160036	**01589-DMW-1**	EPA 8260D	616800		
92535160037	**01589-DMW-2**	EPA 8260D	616800		
92535160038	**01589-DMW-3**	EPA 8260D	616800		
92535160039	**01589-DMW-4**	EPA 8260D	616800		
92535160040	**01589-DMW-5**	EPA 8260D	616800		
92535160041	**01589-RW-4**	EPA 8260D	617412		
92535160042	**01589-RW-12**	EPA 8260D	616870		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535160

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92535160043	**01589-DUP-1**	EPA 8260D	617412		
92535160044	**01589-DUP-2**	EPA 8260D	617412		
92535160045	**01589-DUP-3**	EPA 8260D	616870		
92535160046	**01589-FB-1**	EPA 8260D	616862		
92535160047	**01589-FB-2**	EPA 8260D	616862		
92535160048	**01589-Trip**	EPA 8260D	616862		
92535160049	**01589-SW-8**	EPA 8260D	616862		
92535160050	**01589-SW-9**	EPA 8260D	616862		
92535160051	**01589-SW DUP-4**	EPA 8260D	616862		
92535160052	**01589-SW-2**	EPA 8260D	616862		
92535160053	**01589-SW-3**	EPA 8260D	616862		
92535160054	**01589-SW-6**	EPA 8260D	616862		
92535160055	**01589-SW-7**	EPA 8260D	616862		
92535160056	**01589-Trip 2**	EPA 8260D	616862		
92535160057	**01589-Trip 3**	EPA 8260D	616862		

Laboratory receiving samples:

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

Sample Condition Upon Receipt

Client Name: ATC Group Services - Colum

Project #

WO# : 92535160

92535160

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

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

Date/Initials Person Examining Contents: 4/26/21 DO

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

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

Thermometer: ☒ IR Gun ID: 92700604

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.0, 4.4, 5.4 **Correction Factor:** Add/Subtract (°C) 0.0°C

Cooler Temp Corrected (°C): 4.0, 4.4, 5.4

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. Recived sample SW-7 (3 vials) collected on 4/22/21 @ 11:12 and 2 more sets of TB not on coc.
-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	3 sets

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

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

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

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

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

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

Project # **WO# : 92535160**

PM: BV Due Date: 04/30/21

CLIENT: 92-ATC_Colum

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																3													
2																3													
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4																3													
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12																3													

pH Adjustment Log for Preserved Samples

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

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

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

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

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

Project # **WO# : 92535160**

PM: BV Due Date: 04/30/21

CLIENT: 92-ATC_Colum

2

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)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																3													
2																3													
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12																3													

pH Adjustment Log for Preserved Samples

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

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

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

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

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

Project # **WO# : 92535160**

PM: BV Due Date: 04/30/21

CLIENT: 92-ATC_Colum

3

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)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	\				\	\	\	\			\		\	\	\	3									\	\			
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7	\				\	\	\	\			\		\	\	\	3									\	\			
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10	\				\	\	\	\			\		\	\	\	3									\	\			
11	\				\	\	\	\			\		\	\	\	3									\	\			
12	\				\	\	\	\			\		\	\	\	3									\	\			

pH Adjustment Log for Preserved Samples

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

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR 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**

Project # 4

WO# : 92535160

PM: BV Due Date: 04/30/21

CLIENT: 92-ATC_Colum

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	\				\	\	\	\			\		\	\	\	3									\	\			
2	\				\	\	\	\			\		\	\	\	3									\	\			
3	\				\	\	\	\			\		\	\	\	3									\	\			
4	\				\	\	\	\			\		\	\	\	3									\	\			
5	\				\	\	\	\			\		\	\	\	3									\	\			
6	\				\	\	\	\			\		\	\	\	3									\	\			
7	\				\	\	\	\			\		\	\	\	3									\	\			
8	\				\	\	\	\			\		\	\	\	3									\	\			
9	\				\	\	\	\			\		\	\	\	3									\	\			
10	\				\	\	\	\			\		\	\	\	3									\	\			
11	\				\	\	\	\			\		\	\	\	3									\	\			
12	\				\	\	\	\			\		\	\	\	2									\	\			

pH Adjustment Log for Preserved Samples

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

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

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

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

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

Project # **WO# : 92535160**

PM: BV Due Date: 04/30/21

CLIENT: 92-ATC_Colum

5

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)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-503S kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	\				\	\	\	\			\		\	\	\	3									\	\			
2	\				\	\	\	\			\		\	\	\	3									\	\			
3	\				\	\	\	\			\		\	\	\	3									\	\			
4	\				\	\	\	\			\		\	\	\	3									\	\			
5	\				\	\	\	\			\		\	\	\	3									\	\			
6	\				\	\	\	\			\		\	\	\	3									\	\			
7	\				\	\	\	\			\		\	\	\	3									\	\			
8	\				\	\	\	\			\		\	\	\	2									\	\			
9	\				\	\	\	\			\		\	\	\	2									\	\			
10	\				\	\	\	\			\		\	\	\										\	\			
11	\				\	\	\	\			\		\	\	\										\	\			
12	\				\	\	\	\			\		\	\	\										\	\			

pH Adjustment Log for Preserved Samples

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

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 Of 5

Section A
Required Client Information:

Company:	ATC Group Services LLC_Columbia
Address:	6904 North Main Street
	Suite 107, Columbia, SC 29203
Email:	brad.hubbard@atcgs.com
Phone:	(803)608-1635 Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Hubbard, Brad
Copy To:	
Purchase Order #:	
Project Name:	257CK88612 (Circle K 2720886)
Project #:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	bonnie.vang@pacelabs.com,
Pace Profile #:	9570-4

Regulatory Agency	
State / Location	SC

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8260 (BTEXMN, 12DCA, OX	Trip BLANK	Residual Chlorine (Y/N)	92535160
1	01589-MW1	WT	G			4/22	1047		3				X						X			001
2	MW2	↓	↓			4/21	1359		↓				↓						↓			002
3	MW3					4/21	1344															003
4	MW4					4/22	0951															004
5	MW5					4/21	1326															005
6	MW7					4/21	1134															006
7	MW8					4/21	1128															007
8	MW10					4/21	1107															008
9	MW11					4/21	1049															009
10	MW12					4/21	1247															010
11	MW13					4/21	1159															011
12	MW14	↓	↓			4/21	0846		↓				↓						↓			012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Left in secure container by Reception Desk	[signature] ATC	4/22	1600	[signature]	4-22-21	1057				
	[signature]	4/23	1444	[signature] Pace HU	4/23/21	1844	4.0	Y	N	Y
							4.4			
							5.6			
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Joe Bray
SIGNATURE of SAMPLER: [signature]
DATE Signed: 4/22/21

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Page : 2 Of 5

Section A — Required Client Information:

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Address:	6904 North Main Street
	Suite 107, Columbia, SC 29203
Email:	brad.hubbard@atcgs.com
Phone:	(803)608-1635 Fax:
Requested Due Date:	

Section B — Required Project Information:

Report To:	Hubbard, Brad
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Purchase Order #:	
Project Name:	257CK88612 (Circle K 2720886)
Project #:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	bonnie.vang@pacelabs.com,
Pace Profile #:	9570-4

Regulatory Agency	
State / Location	SC

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

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	8260 (BTEXMN, 12DCA, OX	Trip BLANK	Residual Chlorine (Y/N)	92535160
1	01589-MW 15	WT	G			4/21	0948		3				X					X			013
2	MW 16	[WT]	[G]			[4/21]	1305		[3]				[X]					[X]			014
3	MW 17	[WT]	[G]			[4/21]	1247		[3]				[X]					[X]			015
4	MW 18	[WT]	[G]			[4/21]	1131		[3]				[X]					[X]			016
5	MW 19	[WT]	[G]			[4/21]	1116		[3]				[X]					[X]			017
6	MW 20	[WT]	[G]			[4/21]	1059		[3]				[X]					[X]			018
7	MW 21	[WT]	[G]			[4/21]	1307		[3]				[X]					[X]			019
8	MW 22	[WT]	[G]			[4/21]	1246		[3]				[X]					[X]			020
9	MW 23	[WT]	[G]			[4/21]	1436		[3]				[X]					[X]			021
10	MW 24	[WT]	[G]			4/22	0930		[3]				[X]					[X]			022
11	MW 25	[WT]	[G]			4/22	0958		[3]				[X]					[X]			023
12	MW 26	[WT]	[G]			4/21	1445		[3]				[X]					[X]			024

ADDITIONAL COMMENTS: [illegible handwriting]

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
[illegible] ATC	4/22/21	1608	[illegible]	4/23/21	1057				
[illegible]	4-23	1444	[illegible] Pace HV	4/23/21	1844	4.0	Y	N	Y
						4.9			
						5.6			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ian Gray

SIGNATURE of SAMPLER: [signature]

DATE Signed: 4/22/21

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Pace Profile #:	9570-4

Regulatory Agency	
State / Location	SC

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

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	8260 (BTEXMN, 12DCA, OX	Trip BLANK	Residual Chlorine (Y/N)	92535160
1	01589- MW 27	WG	G			4/21	1408		3				X					X			025
2	MW 28	↓	↓			4/22	0939		↓				↓					↓			026
3	MW 29	↓	↓			4/21	1426		↓				↓					↓			027
4	MW 30	↓	↓			4/21	1259		↓				↓					↓			028
5	MW 31	↓	↓			4/22	0919		↓				↓					↓			029
6	MW 32	↓	↓			4/22	1024		↓				↓					↓			030
7	MW 34	↓	↓			4/21	1026		↓				↓					↓			031
8	MW 35	↓	↓			4/21	1043		↓				↓					↓			032
9	MW 36	↓	↓			4/21	1145		↓				↓					↓			033
10	MW 37	↓	↓			4/22	0929		↓				↓					↓			034
11	MW 38	↓	↓			4/21	1421		↓				↓					↓			035
12	DMW 1	↓	↓			4/22	1125		↓				↓					↓			036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Left in Secure Location	Joe Green ATC	4/22	1600	[signature]	4.23.21	1057				
	[signature]	4.23	644	FO Pace HU	4/23/21	1844	4.0	Y	N	Y
							4.4			
							5.4			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Green

SIGNATURE of SAMPLER: [signature] DATE Signed: 4/22/21

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Requested Due Date:	

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Copy To:	
Purchase Order #:	
Project Name:	257CK88612 (Circle K 2720886)
Project #:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	bonnie.vang@pacelabs.com,
Pace Profile #:	9570-4

Regulatory Agency:
State / Location: SC

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8260 (BTEXMN, 12DCA, OX	Trip BLANK	Residual Chlorine (Y/N)	92535760
1	01589 - DMW 2	WT	G			4/21	1319		3				X						X			037
2	DMW 3	↓	↓			4/22	0907		↓				↓						↓			038
3	DMW 4					4/21	1503															039
4	DMW 5					4/21	1431															040
5	RW 4					4/22	1006															041
6	RW 12					4/22	0854															042
7	Dup 1					4/21	1201															043
8	Dup 2					4/22	1026															044
9	Dup 3					4/22	1127															045
10	FB 1					4/21	0830															046
11	FB 2					4/22	1148															047
12	Trip																			X		048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Unpt w/ Lucas Lorentte yum?	Joe Conny ATC	4/22	1600	[signature]	4-23-21	1057				
	[signature]	4/23	1644	[signature] Pace Hu	4/23/21	1844	4.4	Y	N	Y
							4.0			
							5.6			

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Joe Conny
SIGNATURE of SAMPLER: [signature] DATE Signed: 4/22/21

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Page: 5 Of 5

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	Suite 107, Columbia, SC 29203
Email:	brad.hubbard@atcgs.com
Phone:	(803)608-1635 Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Hubbard, Brad
Copy To:	
Purchase Order #:	
Project Name:	257CK88612 (Circle K 2720886)
Project #:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	bonnie.vang@pacelabs.com,
Pace Profile #:	9570-4

Regulatory Agency	
State / Location	SC

SAMPLE ID: One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8260 (BTEXMN, 12DCA, OX	Trip BLANK		Residual Chlorine (Y/N)	92535160
1	01589 - SW 8	WT				4/22	1117		3				X						X				049
2	SW 9	↓					1125		↓				↓						↓				050
3	SW DUP 4	↓				↓	1119		↓				↓						↓				051
4																							
5																							
6	01589 SW-2	WT		4/22/21	1025				3				X						X				added by BH 4/26/21 052
7	01589 SW-3	↓		↓	1036				3				X						X				053
8	01589 SW-6	↓		↓	1052				3				X						X				↓ 054
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
[illegible]	Joe Gray	4/22	1600	[illegible] Pace HH	4/23/21	1844				
							4.9	Y	N	Y
							4.0			
							5.6			
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Gray

SIGNATURE of SAMPLER: [signature] DATE Signed: 4/22

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

April 29, 2021

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

RE: Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Dear Brad Hubbard:

Enclosed are the analytical results for sample(s) received by the laboratory on April 23, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Charlotte

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

Sincerely,

Bonnie Vang

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

Enclosures

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

CERTIFICATIONS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92535089001	**01589 WSW-FB-1**	Water	04/22/21 11:34	04/23/21 10:55
92535089002	**01589 WSW-12**	Water	04/22/21 12:08	04/23/21 10:55
92535089003	**01589 WSW-13**	Water	04/22/21 11:49	04/23/21 10:55
92535089004	**01589 WSW-DUP -1**	Water	04/22/21 11:51	04/23/21 10:55
92535089005	**Trip Blank**	Water	04/22/21 12:00	04/23/21 10:55

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92535089001	**01589 WSW-FB-1**	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92535089002	**01589 WSW-12**	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92535089003	**01589 WSW-13**	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92535089004	**01589 WSW-DUP -1**	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92535089005	**Trip Blank**	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Sample: 01589 WSW-FB-1 **Lab ID: 92535089001** Collected: 04/22/21 11:34 Received: 04/23/21 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		04/27/21 19:59	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/27/21 19:59	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/27/21 19:59	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/27/21 19:59	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/27/21 19:59	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/27/21 19:59	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/27/21 19:59	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/27/21 19:59	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		04/27/21 19:59	2199-69-1	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/27/21 19:59	460-00-4	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 14:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 14:08	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 14:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 14:08	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 14:08	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 14:08	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 14:08	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 14:08	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/28/21 14:08	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/28/21 14:08	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/28/21 14:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Sample: 01589 WSW-12 **Lab ID: 92535089002** Collected: 04/22/21 12:08 Received: 04/23/21 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		04/27/21 22:10	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/27/21 22:10	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/27/21 22:10	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/27/21 22:10	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/27/21 22:10	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/27/21 22:10	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/27/21 22:10	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/27/21 22:10	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/27/21 22:10	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		04/27/21 22:10	460-00-4	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 18:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 18:01	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 18:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 18:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 18:01	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 18:01	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 18:01	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 18:01	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	115	%	70-130		1		04/28/21 18:01	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/28/21 18:01	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/28/21 18:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Sample: 01589 WSW-13 **Lab ID: 92535089003** Collected: 04/22/21 11:49 Received: 04/23/21 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		04/27/21 22:36	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/27/21 22:36	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/27/21 22:36	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/27/21 22:36	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/27/21 22:36	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/27/21 22:36	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/27/21 22:36	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/27/21 22:36	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/27/21 22:36	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		1		04/27/21 22:36	460-00-4	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 14:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 14:43	994-05-8	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 14:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 14:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 14:43	762-75-4	R1
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 14:43	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 14:43	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 14:43	637-92-3	M1
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/28/21 14:43	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/28/21 14:43	17060-07-0	
Toluene-d8 (S)	109	%	70-130		1		04/28/21 14:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Sample: 01589 WSW-DUP -1 **Lab ID: 92535089004** Collected: 04/22/21 11:51 Received: 04/23/21 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		04/27/21 23:02	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/27/21 23:02	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/27/21 23:02	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/27/21 23:02	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/27/21 23:02	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/27/21 23:02	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/27/21 23:02	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/27/21 23:02	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/27/21 23:02	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		1		04/27/21 23:02	460-00-4	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 18:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 18:19	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 18:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 18:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 18:19	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 18:19	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 18:19	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 18:19	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/28/21 18:19	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/28/21 18:19	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/28/21 18:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Sample: Trip Blank **Lab ID: 92535089005** Collected: 04/22/21 12:00 Received: 04/23/21 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		04/27/21 20:26	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/27/21 20:26	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/27/21 20:26	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/27/21 20:26	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/27/21 20:26	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/27/21 20:26	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/27/21 20:26	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/27/21 20:26	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		04/27/21 20:26	2199-69-1	
4-Bromofluorobenzene (S)	94	%	70-130		1		04/27/21 20:26	460-00-4	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 13:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 13:31	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 13:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 13:31	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 13:31	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 13:31	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 13:31	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 13:31	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		04/28/21 13:31	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/28/21 13:31	17060-07-0	
Toluene-d8 (S)	114	%	70-130		1		04/28/21 13:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

QC Batch: 616505 | Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 | Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92535089001, 92535089002, 92535089003, 92535089004, 92535089005

METHOD BLANK: 3244156 Matrix: Water
Associated Lab Samples: 92535089001, 92535089002, 92535089003, 92535089004, 92535089005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00016	04/27/21 15:12	
Benzene	mg/L	ND	0.00050	0.00021	04/27/21 15:12	
Ethylbenzene	mg/L	ND	0.00050	0.00022	04/27/21 15:12	
m&p-Xylene	mg/L	ND	0.0010	0.00039	04/27/21 15:12	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00014	04/27/21 15:12	
Naphthalene	mg/L	ND	0.00050	0.00035	04/27/21 15:12	
o-Xylene	mg/L	ND	0.00050	0.00022	04/27/21 15:12	
Toluene	mg/L	ND	0.00050	0.00020	04/27/21 15:12	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		04/27/21 15:12	
4-Bromofluorobenzene (S)	%	96	70-130		04/27/21 15:12	

LABORATORY CONTROL SAMPLE: 3244157

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.020	98	70-130	
Benzene	mg/L	0.02	0.020	101	70-130	
Ethylbenzene	mg/L	0.02	0.020	99	70-130	
m&p-Xylene	mg/L	0.04	0.041	102	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.019	95	70-130	
Naphthalene	mg/L	0.02	0.019	97	70-130	
o-Xylene	mg/L	0.02	0.020	100	70-130	
Toluene	mg/L	0.02	0.021	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			103	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

QC Batch: 616759 | Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D | Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92535089001, 92535089002, 92535089003, 92535089004, 92535089005

METHOD BLANK: 3245219 Matrix: Water
Associated Lab Samples: 92535089001, 92535089002, 92535089003, 92535089004, 92535089005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/28/21 13:13	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/28/21 13:13	
Ethanol	ug/L	ND	200	72.2	04/28/21 13:13	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/28/21 13:13	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/28/21 13:13	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/28/21 13:13	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/28/21 13:13	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/28/21 13:13	
1,2-Dichloroethane-d4 (S)	%	101	70-130		04/28/21 13:13	
4-Bromofluorobenzene (S)	%	96	70-130		04/28/21 13:13	
Toluene-d8 (S)	%	102	70-130		04/28/21 13:13	

LABORATORY CONTROL SAMPLE: 3245220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	1000	1050	105	70-130	
Diisopropyl ether	ug/L	50	51.5	103	70-130	
Ethanol	ug/L	2000	1960	98	70-130	
Ethyl-tert-butyl ether	ug/L	100	108	108	70-130	
tert-Amyl Alcohol	ug/L	1000	1010	101	70-130	
tert-Amylmethyl ether	ug/L	100	106	106	70-130	
tert-Butyl Alcohol	ug/L	500	511	102	70-130	
tert-Butyl Formate	ug/L	400	438	110	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3246521 3246522

Parameter	Units	92535089003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	536	487	134	122	39-157	10	30	
Diisopropyl ether	ug/L	ND	20	20	28.1	24.8	140	124	63-144	12	30	
Ethanol	ug/L	ND	800	800	1100	1010	137	126	39-176	9	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	58.4	52.2	146	130	66-137	11	30	M1
tert-Amyl Alcohol	ug/L	ND	400	400	538	483	135	121	54-153	11	30	
tert-Amylmethyl ether	ug/L	ND	40	40	57.9	51.6	145	129	69-139	11	30	M1

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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3246521 3246522

Parameter	Units	92535089003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
tert-Butyl Alcohol	ug/L	ND	200	200	298	297	149	148	43-188	0	30	
tert-Butyl Formate	ug/L	ND	160	160	195	135	122	84	10-170	36	30	R1
1,2-Dichloroethane-d4 (S)	%						99	99	70-130			
4-Bromofluorobenzene (S)	%						109	100	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92535089001	**01589 WSW-FB-1**	EPA 524.2	616505		
92535089002	**01589 WSW-12**	EPA 524.2	616505		
92535089003	**01589 WSW-13**	EPA 524.2	616505		
92535089004	**01589 WSW-DUP -1**	EPA 524.2	616505		
92535089005	**Trip Blank**	EPA 524.2	616505		
92535089001	**01589 WSW-FB-1**	EPA 8260D	616759		
92535089002	**01589 WSW-12**	EPA 8260D	616759		
92535089003	**01589 WSW-13**	EPA 8260D	616759		
92535089004	**01589 WSW-DUP -1**	EPA 8260D	616759		
92535089005	**Trip Blank**	EPA 8260D	616759		

Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name:

Project #: WO# : 92535089

92535089

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

Custody Seal Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No

Date/Initials Person Examining Contents: 4/26/21 JD

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

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

Thermometer: ☒ IR Gun ID: 92064 **Type of Ice:** ☒ Wet ☐ Blue ☐ None

Cooler Temp: 4.0 **Correction Factor:** Add/Subtract (°C) 0.0°C

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.0

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**

Project **WO# : 92535089**

PM: BV **Due Date: 04/30/21**

CLIENT: 92-ATC_Colum

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																6													
2																6													
3																6													
4																6													
5																2													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A – Required Client Information:		Section B – Required Project Information:	Section C – Invoice Information:
Company: ATC Group Services LLC_Columbia		Report To: Hubbard, Brad	Attention:
Address: 6904 North Main Street		Copy To:	Company Name:
Suite 107, Columbia, SC 29203			Address:
Email: brad.hubbard@atcgs.com		Purchase Order #:	Pace Quote:
Phone: (803)608-1635	Fax	Project Name: 257CK88612 (Circle K 2720886)	Pace Project Manager: bonnie.vang@pacelabs.com,
Requested Due Date:		Project #:	Pace Profile #: 9570-4

Regulatory Agency	
State / Location	SC

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): 524.1 (BTEXMN, 1,2DCA)	8260 (oxys)	Trip BLANK	Residual Chlorine (Y/N)	92535089
1	01589 WSW-FB-1	W	G			4/22	1134		6				X					X	X				001
2	WSW-12						1208																002
3	WSW-13						1149																003
4	WSW-Dup-1						1151																004
5	Trip Blank						1200		2											X			005
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Ethan Moore & ATC	4/22/21	1545	Secure area	4/22/21	1545				
					4-23-21	1057				
		4.23	644	Pace TLA	4/23/21	1844	4.0	Y	N	Y

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Ethan Moore		
SIGNATURE of SAMPLER:		DATE Signed:	4/22/21

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

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

April 29, 2021

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

RE: Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Dear Brad Hubbard:

Enclosed are the analytical results for sample(s) received by the laboratory on April 23, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Charlotte

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

Sincerely,

Bonnie Vang

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

Enclosures

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

CERTIFICATIONS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92535089001	**01589 WSW-FB-1**	Water	04/22/21 11:34	04/23/21 10:55
92535089002	**01589 WSW-12**	Water	04/22/21 12:08	04/23/21 10:55
92535089003	**01589 WSW-13**	Water	04/22/21 11:49	04/23/21 10:55
92535089004	**01589 WSW-DUP -1**	Water	04/22/21 11:51	04/23/21 10:55
92535089005	**Trip Blank**	Water	04/22/21 12:00	04/23/21 10:55

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92535089001	**01589 WSW-FB-1**	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92535089002	**01589 WSW-12**	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92535089003	**01589 WSW-13**	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92535089004	**01589 WSW-DUP -1**	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92535089005	**Trip Blank**	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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

ANALYTICAL RESULTS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Sample: 01589 WSW-FB-1 **Lab ID: 92535089001** Collected: 04/22/21 11:34 Received: 04/23/21 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		04/27/21 19:59	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/27/21 19:59	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/27/21 19:59	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/27/21 19:59	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/27/21 19:59	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/27/21 19:59	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/27/21 19:59	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/27/21 19:59	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		04/27/21 19:59	2199-69-1	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/27/21 19:59	460-00-4	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 14:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 14:08	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 14:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 14:08	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 14:08	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 14:08	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 14:08	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 14:08	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/28/21 14:08	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/28/21 14:08	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/28/21 14:08	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Sample: 01589 WSW-12 **Lab ID: 92535089002** Collected: 04/22/21 12:08 Received: 04/23/21 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		04/27/21 22:10	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/27/21 22:10	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/27/21 22:10	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/27/21 22:10	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/27/21 22:10	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/27/21 22:10	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/27/21 22:10	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/27/21 22:10	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/27/21 22:10	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		04/27/21 22:10	460-00-4	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 18:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 18:01	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 18:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 18:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 18:01	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 18:01	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 18:01	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 18:01	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	115	%	70-130		1		04/28/21 18:01	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/28/21 18:01	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/28/21 18:01	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Sample: 01589 WSW-13 **Lab ID: 92535089003** Collected: 04/22/21 11:49 Received: 04/23/21 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		04/27/21 22:36	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/27/21 22:36	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/27/21 22:36	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/27/21 22:36	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/27/21 22:36	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/27/21 22:36	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/27/21 22:36	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/27/21 22:36	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/27/21 22:36	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		1		04/27/21 22:36	460-00-4	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 14:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 14:43	994-05-8	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 14:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 14:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 14:43	762-75-4	R1
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 14:43	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 14:43	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 14:43	637-92-3	M1
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/28/21 14:43	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/28/21 14:43	17060-07-0	
Toluene-d8 (S)	109	%	70-130		1		04/28/21 14:43	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Sample: 01589 WSW-DUP -1 **Lab ID: 92535089004** Collected: 04/22/21 11:51 Received: 04/23/21 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		04/27/21 23:02	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/27/21 23:02	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/27/21 23:02	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/27/21 23:02	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/27/21 23:02	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/27/21 23:02	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/27/21 23:02	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/27/21 23:02	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/27/21 23:02	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		1		04/27/21 23:02	460-00-4	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 18:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 18:19	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 18:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 18:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 18:19	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 18:19	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 18:19	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 18:19	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/28/21 18:19	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/28/21 18:19	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/28/21 18:19	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Sample: Trip Blank **Lab ID: 92535089005** Collected: 04/22/21 12:00 Received: 04/23/21 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		04/27/21 20:26	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/27/21 20:26	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/27/21 20:26	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/27/21 20:26	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/27/21 20:26	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/27/21 20:26	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/27/21 20:26	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/27/21 20:26	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		04/27/21 20:26	2199-69-1	
4-Bromofluorobenzene (S)	94	%	70-130		1		04/27/21 20:26	460-00-4	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/28/21 13:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/28/21 13:31	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/28/21 13:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/28/21 13:31	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/28/21 13:31	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/28/21 13:31	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/28/21 13:31	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/28/21 13:31	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		04/28/21 13:31	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/28/21 13:31	17060-07-0	
Toluene-d8 (S)	114	%	70-130		1		04/28/21 13:31	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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

QC Batch: 616505 | Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 | Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92535089001, 92535089002, 92535089003, 92535089004, 92535089005

METHOD BLANK: 3244156 Matrix: Water
Associated Lab Samples: 92535089001, 92535089002, 92535089003, 92535089004, 92535089005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00016	04/27/21 15:12	
Benzene	mg/L	ND	0.00050	0.00021	04/27/21 15:12	
Ethylbenzene	mg/L	ND	0.00050	0.00022	04/27/21 15:12	
m&p-Xylene	mg/L	ND	0.0010	0.00039	04/27/21 15:12	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00014	04/27/21 15:12	
Naphthalene	mg/L	ND	0.00050	0.00035	04/27/21 15:12	
o-Xylene	mg/L	ND	0.00050	0.00022	04/27/21 15:12	
Toluene	mg/L	ND	0.00050	0.00020	04/27/21 15:12	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		04/27/21 15:12	
4-Bromofluorobenzene (S)	%	96	70-130		04/27/21 15:12	

LABORATORY CONTROL SAMPLE: 3244157

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.020	98	70-130	
Benzene	mg/L	0.02	0.020	101	70-130	
Ethylbenzene	mg/L	0.02	0.020	99	70-130	
m&p-Xylene	mg/L	0.04	0.041	102	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.019	95	70-130	
Naphthalene	mg/L	0.02	0.019	97	70-130	
o-Xylene	mg/L	0.02	0.020	100	70-130	
Toluene	mg/L	0.02	0.021	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

QC Batch: 616759 | Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D | Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92535089001, 92535089002, 92535089003, 92535089004, 92535089005

METHOD BLANK: 3245219 Matrix: Water
Associated Lab Samples: 92535089001, 92535089002, 92535089003, 92535089004, 92535089005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/28/21 13:13	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/28/21 13:13	
Ethanol	ug/L	ND	200	72.2	04/28/21 13:13	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/28/21 13:13	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/28/21 13:13	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/28/21 13:13	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/28/21 13:13	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/28/21 13:13	
1,2-Dichloroethane-d4 (S)	%	101	70-130		04/28/21 13:13	
4-Bromofluorobenzene (S)	%	96	70-130		04/28/21 13:13	
Toluene-d8 (S)	%	102	70-130		04/28/21 13:13	

LABORATORY CONTROL SAMPLE: 3245220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	1000	1050	105	70-130	
Diisopropyl ether	ug/L	50	51.5	103	70-130	
Ethanol	ug/L	2000	1960	98	70-130	
Ethyl-tert-butyl ether	ug/L	100	108	108	70-130	
tert-Amyl Alcohol	ug/L	1000	1010	101	70-130	
tert-Amylmethyl ether	ug/L	100	106	106	70-130	
tert-Butyl Alcohol	ug/L	500	511	102	70-130	
tert-Butyl Formate	ug/L	400	438	110	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3246521 3246522

Parameter	Units	92535089003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	536	487	134	122	39-157	10	30	
Diisopropyl ether	ug/L	ND	20	20	28.1	24.8	140	124	63-144	12	30	
Ethanol	ug/L	ND	800	800	1100	1010	137	126	39-176	9	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	58.4	52.2	146	130	66-137	11	30	M1
tert-Amyl Alcohol	ug/L	ND	400	400	538	483	135	121	54-153	11	30	
tert-Amylmethyl ether	ug/L	ND	40	40	57.9	51.6	145	129	69-139	11	30	M1

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: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3246521 3246522

Parameter	Units	92535089003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
tert-Butyl Alcohol	ug/L	ND	200	200	298	297	149	148	43-188	0	30	
tert-Butyl Formate	ug/L	ND	160	160	195	135	122	84	10-170	36	30	R1
1,2-Dichloroethane-d4 (S)	%						99	99	70-130			
4-Bromofluorobenzene (S)	%						109	100	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 257CK88612 (Circle K 2720886)
Pace Project No.: 92535089

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92535089001	**01589 WSW-FB-1**	EPA 524.2	616505		
92535089002	**01589 WSW-12**	EPA 524.2	616505		
92535089003	**01589 WSW-13**	EPA 524.2	616505		
92535089004	**01589 WSW-DUP -1**	EPA 524.2	616505		
92535089005	**Trip Blank**	EPA 524.2	616505		
92535089001	**01589 WSW-FB-1**	EPA 8260D	616759		
92535089002	**01589 WSW-12**	EPA 8260D	616759		
92535089003	**01589 WSW-13**	EPA 8260D	616759		
92535089004	**01589 WSW-DUP -1**	EPA 8260D	616759		
92535089005	**Trip Blank**	EPA 8260D	616759		

Pace Analytical	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name:

Project #: WO# : 92535089

92535089

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

Custody Seal Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No

Date/Initials Person Examining Contents: 4/26/21 JD

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

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

Thermometer: ☒ IR Gun ID: 92064 **Type of Ice:** ☒ Wet ☐ Blue ☐ None

Cooler Temp: 4.0 **Correction Factor:** Add/Subtract (°C) 0.0°C

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.0

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**

Project **WO# : 92535089**

PM: BV **Due Date: 04/30/21**

CLIENT: 92-ATC_Colum

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																6													
2																6													
3																6													
4																6													
5																2													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A – Required Client Information:		Section B – Required Project Information:	Section C – Invoice Information:
Company: ATC Group Services LLC_Columbia		Report To: Hubbard, Brad	Attention:
Address: 6904 North Main Street		Copy To:	Company Name:
Suite 107, Columbia, SC 29203			Address:
Email: brad.hubbard@atcgs.com		Purchase Order #:	Pace Quote:
Phone: (803)608-1635	Fax	Project Name: 257CK88612 (Circle K 2720886)	Pace Project Manager: bonnie.vang@pacelabs.com,
Requested Due Date:		Project #:	Pace Profile #: 9570-4

Regulatory Agency	
State / Location	SC

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): 524.1 (BTEXMN, 1,2DCA)	8260 (oxys)	Trip BLANK	Residual Chlorine (Y/N)	92535089
1	01589 WSW-FB-1	W	G			4/22	1134		6				X					X	X				001
2	WSW-12						1208																002
3	WSW-13						1149																003
4	WSW-Dup-1						1151																004
5	Trip Blank						1200		2											X			005
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Ethan Moore & ATC	4/22/21	1545	Secure area	4/22/21	1545				
					4-23-21	1057				
		4.23	644	Pace TLA	4/23/21	1844	4.0	Y	N	Y

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Ethan Moore		
SIGNATURE of SAMPLER:		DATE Signed:	4/22/21

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

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

May 05, 2021

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

RE: Project: CIRCLE 2720886
Pace Project No.: 92536297

Dear Brad Hubbard:

Enclosed are the analytical results for sample(s) received by the laboratory on April 30, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Charlotte

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

Sincerely,

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

Enclosures

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

CERTIFICATIONS

Project: CIRCLE 2720886
Pace Project No.: 92536297

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
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: CIRCLE 2720886
Pace Project No.: 92536297

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92536297001	**01589WSW-16**	Water	04/29/21 13:30	04/30/21 12:00
92536297002	**TB**	Water	04/29/21 00:00	04/30/21 12:00
92536297003	**TB 2**	Water	04/29/21 00:00	04/30/21 12:00

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: CIRCLE 2720886
Pace Project No.: 92536297

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92536297001	**01589WSW-16**	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	SAS	11	PASI-C
92536297002	**TB**	EPA 8260D	SAS	11	PASI-C
92536297003	**TB 2**	EPA 8260D	SAS	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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(704)875-9092

ANALYTICAL RESULTS

Project: CIRCLE 2720886
Pace Project No.: 92536297

Sample: 01589WSW-16 **Lab ID: 92536297001** Collected: 04/29/21 13:30 Received: 04/30/21 12:00 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		05/04/21 17:50	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		05/04/21 17:50	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		05/04/21 17:50	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		05/04/21 17:50	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		05/04/21 17:50	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		05/04/21 17:50	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		05/04/21 17:50	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		05/04/21 17:50	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/04/21 17:50	2199-69-1	
4-Bromofluorobenzene (S)	97	%	70-130		1		05/04/21 17:50	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		05/05/21 03:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/05/21 03:33	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/05/21 03:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/05/21 03:33	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/05/21 03:33	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/05/21 03:33	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/05/21 03:33	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/05/21 03:33	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		05/05/21 03:33	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		05/05/21 03:33	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		05/05/21 03:33	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 2720886
Pace Project No.: 92536297

Sample: TB **Lab ID: 92536297002** Collected: 04/29/21 00:00 Received: 04/30/21 12:00 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		05/05/21 01:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/05/21 01:31	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/05/21 01:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/05/21 01:31	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/05/21 01:31	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/05/21 01:31	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/05/21 01:31	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/05/21 01:31	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		05/05/21 01:31	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		05/05/21 01:31	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		05/05/21 01:31	2037-26-5	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: CIRCLE 2720886
Pace Project No.: 92536297

Sample: TB 2 **Lab ID: 92536297003** Collected: 04/29/21 00:00 Received: 04/30/21 12:00 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		05/05/21 01:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/05/21 01:48	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/05/21 01:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/05/21 01:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/05/21 01:48	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/05/21 01:48	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/05/21 01:48	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/05/21 01:48	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		05/05/21 01:48	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		05/05/21 01:48	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		05/05/21 01:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA

Project: CIRCLE 2720886
Pace Project No.: 92536297

QC Batch: 618131
QC Batch Method: EPA 524.2
Analysis Method: EPA 524.2
Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92536297001

METHOD BLANK: 3252248 Matrix: Water
Associated Lab Samples: 92536297001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00016	05/04/21 15:13	
Benzene	mg/L	ND	0.00050	0.00021	05/04/21 15:13	
Ethylbenzene	mg/L	ND	0.00050	0.00022	05/04/21 15:13	
m&p-Xylene	mg/L	ND	0.0010	0.00039	05/04/21 15:13	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00014	05/04/21 15:13	
Naphthalene	mg/L	ND	0.00050	0.00035	05/04/21 15:13	
o-Xylene	mg/L	ND	0.00050	0.00022	05/04/21 15:13	
Toluene	mg/L	ND	0.00050	0.00020	05/04/21 15:13	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130		05/04/21 15:13	
4-Bromofluorobenzene (S)	%	98	70-130		05/04/21 15:13	

LABORATORY CONTROL SAMPLE: 3252249

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	110	70-130	
Ethylbenzene	mg/L	0.02	0.022	112	70-130	
m&p-Xylene	mg/L	0.04	0.045	114	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.022	108	70-130	
Naphthalene	mg/L	0.02	0.022	110	70-130	
o-Xylene	mg/L	0.02	0.023	113	70-130	
Toluene	mg/L	0.02	0.023	113	70-130	
1,2-Dichlorobenzene-d4 (S)	%			111	70-130	
4-Bromofluorobenzene (S)	%			109	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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(704)875-9092

QUALITY CONTROL DATA

Project: CIRCLE 2720886
Pace Project No.: 92536297

QC Batch: 618128
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92536297001, 92536297002, 92536297003

METHOD BLANK: 3252222 Matrix: Water
Associated Lab Samples: 92536297001, 92536297002, 92536297003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/05/21 00:56	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/05/21 00:56	
Ethanol	ug/L	ND	200	72.2	05/05/21 00:56	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/05/21 00:56	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/05/21 00:56	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/05/21 00:56	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/05/21 00:56	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/05/21 00:56	
1,2-Dichloroethane-d4 (S)	%	103	70-130		05/05/21 00:56	
4-Bromofluorobenzene (S)	%	98	70-130		05/05/21 00:56	
Toluene-d8 (S)	%	106	70-130		05/05/21 00:56	

LABORATORY CONTROL SAMPLE: 3252223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	1000	889	89	70-130	
Diisopropyl ether	ug/L	50	43.7	87	70-130	
Ethanol	ug/L	2000	2090	105	70-130	
Ethyl-tert-butyl ether	ug/L	100	101	101	70-130	
tert-Amyl Alcohol	ug/L	1000	1050	105	70-130	
tert-Amylmethyl ether	ug/L	100	97.7	98	70-130	
tert-Butyl Alcohol	ug/L	500	531	106	70-130	
tert-Butyl Formate	ug/L	400	431	108	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3252224 3252225

Parameter	Units	92536087004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3,3-Dimethyl-1-Butanol	ug/L	ND	4000	4000	3130	3440	78	86	39-157	9	30	
Diisopropyl ether	ug/L	ND	200	200	140	168	70	84	63-144	18	30	
Ethanol	ug/L	ND	8000	8000	7080	7950	89	99	39-176	12	30	
Ethyl-tert-butyl ether	ug/L	ND	400	400	310	362	78	90	66-137	15	30	
tert-Amyl Alcohol	ug/L	ND	4000	4000	3350	3670	84	92	54-153	9	30	
tert-Amylmethyl ether	ug/L	ND	400	400	307	340	77	85	69-139	10	30	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA

Project: CIRCLE 2720886
Pace Project No.: 92536297

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3252224 3252225

Parameter	Units	92536087004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
tert-Butyl Alcohol	ug/L	ND	2000	2000	2250	2400	113	120	43-188	6	30	
tert-Butyl Formate	ug/L	ND	1600	1600	315J	348J	20	22	10-170		30	
1,2-Dichloroethane-d4 (S)	%						102	102	70-130			
4-Bromofluorobenzene (S)	%						97	99	70-130			
Toluene-d8 (S)	%						98	98	70-130			

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: CIRCLE 2720886
Pace Project No.: 92536297

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.

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CIRCLE 2720886
Pace Project No.: 92536297

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92536297001	**01589WSW-16**	EPA 524.2	618131		
92536297001	**01589WSW-16**	EPA 8260D	618128		
92536297002	**TB**	EPA 8260D	618128		
92536297003	**TB 2**	EPA 8260D	618128		

Pace Analytical®	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: ATC Group Services-Columbia

Project #: WO# : 92536297

92536297

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

Custody Seal Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No

Date/Initials Person Examining Contents: 5/3/21 HD

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

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

Thermometer: ☒ IR Gun ID: 172064 **Type of Ice:** ☒ Wet ☐ Blue ☐ None

Cooler Temp: 0.4 **Correction Factor:** Add/Subtract (°C) 0.0°C

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 0.4

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

Received extra set of trip blanks

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

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

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

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

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

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

Project # **WO# : 92536297**

PM: BV Due Date: 05/07/21

CLIENT: 92-ATC_Colum

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	\				\	\	\	\			\		\	\	\	6									\	\			
2	\				\	\	\	\			\		\	\	\	2									\	\			
3	\				\	\	\	\			\		\	\	\	2									\	\			
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11	\				\	\	\	\			\		\	\	\										\	\			
12	\				\	\	\	\			\		\	\	\										\	\			

pH Adjustment Log for Preserved Samples

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

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM	Report To:	Attention:
Address: 6904 N. Main St Suite 107	Copy To:	Company Name:
Email To: brad.hubbard@atkins.com	Purchase Order No.:	Address:
Phone: Fax:	Project Name: Circle 27208816	Pace Quote Reference:
Requested Due Date/TAT:	Project Number: 257CL88612	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes MATRIX / CODE

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

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: 624 #	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	01589 WSW-16		G			4/29	1330		6				✓					Y	✓	✓		001
2	TB					4/29	—		2											✓		002
3																						003 TB2
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

*BTEX, MNS, DCA

92536297

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Circle	4/29	1800	Secure area	4/29	1800				
				Josh Mallas	4/30/21	1200				
	Josh Mallas	4/30/21	1835	HD PACE HM	4/30/21	1835	04	Y	N	Y

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

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

May 24, 2021

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

RE: Project: Circle K 2720886
Pace Project No.: 92539460

Dear Brad Hubbard:

Enclosed are the analytical results for sample(s) received by the laboratory on May 18, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Charlotte

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

Sincerely,

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

Enclosures

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

CERTIFICATIONS

Project: Circle K 2720886
Pace Project No.: 92539460

Pace Analytical Services Charlotte
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
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: Circle K 2720886
Pace Project No.: 92539460

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92539460001	**01589 MW-6**	Water	05/13/21 13:43	05/18/21 12:45
92539460002	**01589 MW-9**	Water	05/13/21 10:31	05/18/21 12:45
92539460003	**01589 MW-33**	Water	05/13/21 14:11	05/18/21 12:45
92539460004	**01589 DUP-1**	Water	05/13/21 13:45	05/18/21 12:45
92539460005	**01589 FB-1**	Water	05/13/21 12:24	05/18/21 12:45
92539460006	**TRIP BLANK**	Water	05/13/21 00:00	05/18/21 12:45

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

SAMPLE ANALYTE COUNT

Project: Circle K 2720886
Pace Project No.: 92539460

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92539460001	**01589 MW-6**	EPA 8260D	CL	18	PASI-C
92539460002	**01589 MW-9**	EPA 8260D	BSH	18	PASI-C
92539460003	**01589 MW-33**	EPA 8260D	CL	18	PASI-C
92539460004	**01589 DUP-1**	EPA 8260D	CL	18	PASI-C
92539460005	**01589 FB-1**	EPA 8260D	BSH	18	PASI-C
92539460006	**TRIP BLANK**	EPA 8260D	BSH	18	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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

ANALYTICAL RESULTS

Project: Circle K 2720886
Pace Project No.: 92539460

Sample: 01589 MW-6 **Lab ID: 92539460001** Collected: 05/13/21 13:43 Received: 05/18/21 12:45 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	**42200**	ug/L	20000	7280	200		05/21/21 11:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		05/21/21 11:29	994-05-8	
Benzene	**16400**	ug/L	200	69.0	200		05/21/21 11:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		05/21/21 11:29	624-95-3	
tert-Butyl Alcohol	**5410J**	ug/L	20000	5360	200		05/21/21 11:29	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		05/21/21 11:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		05/21/21 11:29	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		05/21/21 11:29	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		05/21/21 11:29	64-17-5	
Ethylbenzene	**2190**	ug/L	200	60.8	200		05/21/21 11:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		05/21/21 11:29	637-92-3	
Methyl-tert-butyl ether	**1990**	ug/L	200	84.4	200		05/21/21 11:29	1634-04-4	
Naphthalene	**272**	ug/L	200	129	200		05/21/21 11:29	91-20-3	
Toluene	**28900**	ug/L	200	97.0	200		05/21/21 11:29	108-88-3	
Xylene (Total)	**8920**	ug/L	200	67.6	200		05/21/21 11:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		200		05/21/21 11:29	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		200		05/21/21 11:29	17060-07-0	
Toluene-d8 (S)	102	%	70-130		200		05/21/21 11:29	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.: 92539460

Sample: 01589 MW-9 **Lab ID: 92539460002** Collected: 05/13/21 10:31 Received: 05/18/21 12:45 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		05/20/21 03:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/20/21 03:57	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/20/21 03:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/20/21 03:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/20/21 03:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/20/21 03:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/20/21 03:57	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/20/21 03:57	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/20/21 03:57	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/20/21 03:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/20/21 03:57	637-92-3	
Methyl-tert-butyl ether	**6.5**	ug/L	1.0	0.42	1		05/20/21 03:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/20/21 03:57	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/20/21 03:57	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/20/21 03:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/20/21 03:57	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		05/20/21 03:57	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		05/20/21 03:57	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.: 92539460

Sample: 01589 MW-33 **Lab ID: 92539460003** Collected: 05/13/21 14:11 Received: 05/18/21 12:45 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	**8710J**	ug/L	12500	4550	125		05/21/21 10:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	332	125		05/21/21 10:17	994-05-8	
Benzene	**9730**	ug/L	125	43.1	125		05/21/21 10:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6490	125		05/21/21 10:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	3350	125		05/21/21 10:17	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3680	125		05/21/21 10:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	40.2	125		05/21/21 10:17	107-06-2	
Diisopropyl ether	ND	ug/L	125	38.5	125		05/21/21 10:17	108-20-3	
Ethanol	ND	ug/L	25000	9020	125		05/21/21 10:17	64-17-5	
Ethylbenzene	**1760**	ug/L	125	38.0	125		05/21/21 10:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	405	125		05/21/21 10:17	637-92-3	
Methyl-tert-butyl ether	**273**	ug/L	125	52.8	125		05/21/21 10:17	1634-04-4	
Naphthalene	**194**	ug/L	125	80.6	125		05/21/21 10:17	91-20-3	
Toluene	**22900**	ug/L	125	60.6	125		05/21/21 10:17	108-88-3	
Xylene (Total)	**7870**	ug/L	125	42.2	125		05/21/21 10:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		125		05/21/21 10:17	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		125		05/21/21 10:17	17060-07-0	
Toluene-d8 (S)	102	%	70-130		125		05/21/21 10:17	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.: 92539460

Sample: 01589 DUP-1 **Lab ID: 92539460004** Collected: 05/13/21 13:45 Received: 05/18/21 12:45 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	**42200**	ug/L	20000	7280	200		05/21/21 10:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		05/21/21 10:53	994-05-8	
Benzene	**16300**	ug/L	200	69.0	200		05/21/21 10:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		05/21/21 10:53	624-95-3	
tert-Butyl Alcohol	**5430J**	ug/L	20000	5360	200		05/21/21 10:53	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		05/21/21 10:53	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		05/21/21 10:53	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		05/21/21 10:53	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		05/21/21 10:53	64-17-5	
Ethylbenzene	**2180**	ug/L	200	60.8	200		05/21/21 10:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		05/21/21 10:53	637-92-3	
Methyl-tert-butyl ether	**1990**	ug/L	200	84.4	200		05/21/21 10:53	1634-04-4	
Naphthalene	**276**	ug/L	200	129	200		05/21/21 10:53	91-20-3	
Toluene	**28700**	ug/L	200	97.0	200		05/21/21 10:53	108-88-3	
Xylene (Total)	**8920**	ug/L	200	67.6	200		05/21/21 10:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		200		05/21/21 10:53	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		200		05/21/21 10:53	17060-07-0	
Toluene-d8 (S)	103	%	70-130		200		05/21/21 10:53	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.: 92539460

Sample: 01589 FB-1 **Lab ID: 92539460005** Collected: 05/13/21 12:24 Received: 05/18/21 12:45 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		05/20/21 00:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/20/21 00:38	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/20/21 00:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/20/21 00:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/20/21 00:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/20/21 00:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/20/21 00:38	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/20/21 00:38	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/20/21 00:38	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/20/21 00:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/20/21 00:38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/20/21 00:38	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/20/21 00:38	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/20/21 00:38	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/20/21 00:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/20/21 00:38	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		05/20/21 00:38	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/20/21 00:38	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.: 92539460

Sample: TRIP BLANK **Lab ID: 92539460006** Collected: 05/13/21 00:00 Received: 05/18/21 12:45 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		05/20/21 00:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/20/21 00:56	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/20/21 00:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/20/21 00:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/20/21 00:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/20/21 00:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/20/21 00:56	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/20/21 00:56	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/20/21 00:56	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/20/21 00:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/20/21 00:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/20/21 00:56	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/20/21 00:56	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/20/21 00:56	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/20/21 00:56	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/20/21 00:56	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		05/20/21 00:56	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/20/21 00:56	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.: 92539460

QC Batch: 621431
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92539460002, 92539460005, 92539460006

METHOD BLANK: 3269648 Matrix: Water
Associated Lab Samples: 92539460002, 92539460005, 92539460006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/20/21 00:01	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/20/21 00:01	
Benzene	ug/L	ND	1.0	0.34	05/20/21 00:01	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/20/21 00:01	
Ethanol	ug/L	ND	200	72.2	05/20/21 00:01	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/20/21 00:01	
Ethylbenzene	ug/L	ND	1.0	0.30	05/20/21 00:01	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/20/21 00:01	
Naphthalene	ug/L	ND	1.0	0.64	05/20/21 00:01	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/20/21 00:01	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/20/21 00:01	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/20/21 00:01	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/20/21 00:01	
Toluene	ug/L	ND	1.0	0.48	05/20/21 00:01	
Xylene (Total)	ug/L	ND	1.0	0.34	05/20/21 00:01	
1,2-Dichloroethane-d4 (S)	%	103	70-130		05/20/21 00:01	
4-Bromofluorobenzene (S)	%	99	70-130		05/20/21 00:01	
Toluene-d8 (S)	%	100	70-130		05/20/21 00:01	

LABORATORY CONTROL SAMPLE: 3269649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	50.4	101	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1200	120	70-130	
Benzene	ug/L	50	49.5	99	70-130	
Diisopropyl ether	ug/L	50	54.3	109	70-130	
Ethanol	ug/L	2000	2150	108	70-130	
Ethyl-tert-butyl ether	ug/L	100	110	110	70-130	
Ethylbenzene	ug/L	50	51.7	103	70-130	
Methyl-tert-butyl ether	ug/L	50	54.2	108	70-130	
Naphthalene	ug/L	50	49.6	99	70-130	
tert-Amyl Alcohol	ug/L	1000	1060	106	70-130	
tert-Amylmethyl ether	ug/L	100	100	100	70-130	
tert-Butyl Alcohol	ug/L	500	578	116	70-130	
tert-Butyl Formate	ug/L	400	444	111	70-130	
Toluene	ug/L	50	48.4	97	70-130	
Xylene (Total)	ug/L	150	151	101	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92539460

LABORATORY CONTROL SAMPLE: 3269649

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3269650 3269651

Parameter	Units	92539313027 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	454	2500	2500	2970	3020	101	103	70-137	2	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	50000	50000	51700	56100	103	112	39-157	8	30	
Benzene	ug/L	17900	2500	2500	20200	20000	92	82	70-151	1	30	
Diisopropyl ether	ug/L	13900	2500	2500	16300	16400	98	100	63-144	0	30	
Ethanol	ug/L	ND	100000	100000	107000	112000	107	112	39-176	5	30	
Ethyl-tert-butyl ether	ug/L	ND	5000	5000	5260	5370	105	107	66-137	2	30	
Ethylbenzene	ug/L	2650	2500	2500	5150	5160	100	100	66-153	0	30	
Methyl-tert-butyl ether	ug/L	ND	2500	2500	2560	2630	103	105	54-156	3	30	
Naphthalene	ug/L	808	2500	2500	3140	3360	93	102	61-148	7	30	
tert-Amyl Alcohol	ug/L	13200	50000	50000	65700	66100	105	106	54-153	1	30	
tert-Amylmethyl ether	ug/L	ND	5000	5000	4910	4920	98	98	69-139	0	30	
tert-Butyl Alcohol	ug/L	ND	25000	25000	33800	35500	128	135	43-188	5	30	
tert-Butyl Formate	ug/L	ND	20000	20000	12000	12500	60	62	10-170	4	30	
Toluene	ug/L	21600	2500	2500	23400	23000	70	57	59-148	1	30	M1
Xylene (Total)	ug/L	13400	7500	7500	20800	20600	98	96	63-158	1	30	
1,2-Dichloroethane-d4 (S)	%						104	104	70-130			
4-Bromofluorobenzene (S)	%						101	97	70-130			
Toluene-d8 (S)	%						101	99	70-130			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92539460

QC Batch: 621869
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92539460001, 92539460003, 92539460004

METHOD BLANK: 3271962 Matrix: Water
Associated Lab Samples: 92539460001, 92539460003, 92539460004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/21/21 03:38	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/21/21 03:38	
Benzene	ug/L	ND	1.0	0.34	05/21/21 03:38	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/21/21 03:38	
Ethanol	ug/L	ND	200	72.2	05/21/21 03:38	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/21/21 03:38	
Ethylbenzene	ug/L	ND	1.0	0.30	05/21/21 03:38	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/21/21 03:38	
Naphthalene	ug/L	ND	1.0	0.64	05/21/21 03:38	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/21/21 03:38	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/21/21 03:38	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/21/21 03:38	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/21/21 03:38	
Toluene	ug/L	ND	1.0	0.48	05/21/21 03:38	
Xylene (Total)	ug/L	ND	1.0	0.34	05/21/21 03:38	
1,2-Dichloroethane-d4 (S)	%	112	70-130		05/21/21 03:38	
4-Bromofluorobenzene (S)	%	99	70-130		05/21/21 03:38	
Toluene-d8 (S)	%	104	70-130		05/21/21 03:38	

LABORATORY CONTROL SAMPLE: 3271963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	52.0	104	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1060	106	70-130	
Benzene	ug/L	50	49.4	99	70-130	
Diisopropyl ether	ug/L	50	52.6	105	70-130	
Ethanol	ug/L	2000	2290	115	70-130	
Ethyl-tert-butyl ether	ug/L	100	111	111	70-130	
Ethylbenzene	ug/L	50	49.3	99	70-130	
Methyl-tert-butyl ether	ug/L	50	50.7	101	70-130	
Naphthalene	ug/L	50	50.6	101	70-130	
tert-Amyl Alcohol	ug/L	1000	1060	106	70-130	
tert-Amylmethyl ether	ug/L	100	104	104	70-130	
tert-Butyl Alcohol	ug/L	500	544	109	70-130	
tert-Butyl Formate	ug/L	400	441	110	70-130	
Toluene	ug/L	50	48.0	96	70-130	
Xylene (Total)	ug/L	150	147	98	70-130	
1,2-Dichloroethane-d4 (S)	%			112	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Circle K 2720886
Pace Project No.: 92539460

LABORATORY CONTROL SAMPLE: 3271963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3271964 3271965

Parameter	Units	92539895004 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	26.3	25.9	132	129	70-137	2	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	500	503	125	126	39-157	1	30	
Benzene	ug/L	ND	20	20	30.8	28.3	154	141	70-151	8	30	M1
Diisopropyl ether	ug/L	ND	20	20	25.9	24.0	130	120	63-144	8	30	
Ethanol	ug/L	ND	800	800	1210	1220	152	152	39-176	0	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	53.8	52.6	135	131	66-137	2	30	
Ethylbenzene	ug/L	ND	20	20	31.4	29.9	157	149	66-153	5	30	M1
Methyl-tert-butyl ether	ug/L	ND	20	20	25.8	24.9	129	124	54-156	4	30	
Naphthalene	ug/L	ND	20	20	27.2	26.4	136	132	61-148	3	30	
tert-Amyl Alcohol	ug/L	ND	400	400	538	526	135	132	54-153	2	30	
tert-Amylmethyl ether	ug/L	ND	40	40	56.5	54.5	141	136	69-139	4	30	M1
tert-Butyl Alcohol	ug/L	ND	200	200	297	310	149	155	43-188	4	30	
tert-Butyl Formate	ug/L	ND	160	160	122	96.1	76	60	10-170	24	30	
Toluene	ug/L	ND	20	20	30.3	28.5	151	142	59-148	6	30	M1
Xylene (Total)	ug/L	ND	60	60	93.2	88.5	155	147	63-158	5	30	MS
1,2-Dichloroethane-d4 (S)	%						88	90	70-130			
4-Bromofluorobenzene (S)	%						98	99	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: Circle K 2720886
Pace Project No.: 92539460

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Circle K 2720886
Pace Project No.: 92539460

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92539460001	**01589 MW-6**	EPA 8260D	621869		
92539460002	**01589 MW-9**	EPA 8260D	621431		
92539460003	**01589 MW-33**	EPA 8260D	621869		
92539460004	**01589 DUP-1**	EPA 8260D	621869		
92539460005	**01589 FB-1**	EPA 8260D	621431		
92539460006	**TRIP BLANK**	EPA 8260D	621431		

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: ATC Group Services, LLC-Columbia **Project #:**

WO# : 92539460

92539460

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

Custody Seal Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No

Date/Initials Person Examining Contents: 11/5-18-21

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

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

Thermometer: ☒ IR Gun ID: 92T064

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: 3.3 **Correction Factor:** Add/Subtract (°C) -0.1

Cooler Temp Corrected (°C): 3.2

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

Trip Blanks present, but they are not listed on the COC.

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

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

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

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

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

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

Project # WO#: 92539460

PM: BV Due Date: 05/25/21

CLIENT: 92-ATC_Colum

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit(N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																3													
2																3													
3																3													
4																3													
5																3													
6																2													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

Section A — Required Client Information:

Company:	ATC Group Services, LLC - Columbia
Address:	6904 North Main Street
	Suite 107, Columbia, SC 29203
Email:	Brad.Hubbard@atcgs.com
Phone:	803-609-1635 Fax:
Requested Due Date:	

Section B — Required Project Information:

Report To:	Brad Hubbard
Copy To:	Ethan.moore@atcgs.com
Purchase Order #:	
Project Name:	Circle K 2720886
Project #:	257CK88612

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	bonnie.vang@pacelabs.com,
Pace Profile #:	

Regulatory Agency:

State / Location: SC

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8260-BTEX, Naphthalene	8270 PAH	8260-BTEXMN, 1,2-DCA, O	8270 PAH	Residual Chlorine (Y/N)	925391460
1	01584 MW-6	WT	G			5/13	1343		3				X								X			001
2	MW-9						1031																	002
3	MW-33						1411																	003
4	DUP-1						1345																	004
5	FB-1						1224																	005
6																								TB-006
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Ethan Moore of ATC	5/14	1600	Secure Area	5/14	1600				
	Secure Area	5-17-21	1412		5-17-21	1412				
		5-17-21	1600	PACE CUT SECURE	5.17.21	1600				
	PACE CUT SECURE	5.18.21	1100		5/18-21	1245	3.2	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ethan Moore of ATC

SIGNATURE of SAMPLER: [signature]

DATE Signed: 05/14/2021

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

5/18-21/1245
Pace Nathan Solis 5-18-21 12:45

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 5/28/2021