

ATLAS



Corrective Action System Evaluation and Monitoring Report

2nd half 2021

Circle K # 2720886

UST Site # 01589

4315 Savannah Highway, Ravenel, South Carolina

PREPARED FOR:



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

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Corrective Action System Evaluation and Monitoring Report

2nd Semi-Annual Period 2021

Circle K Store no. 2720886

Release Reported 8/2/2018

4315 Savannah Highway

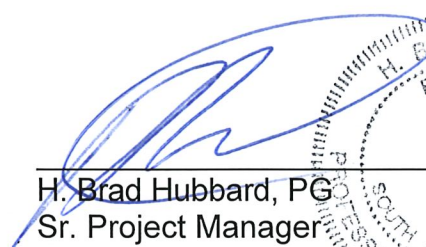
Ravenel (Charleston County), South Carolina

UST Permit No. 01589, CA # 61117

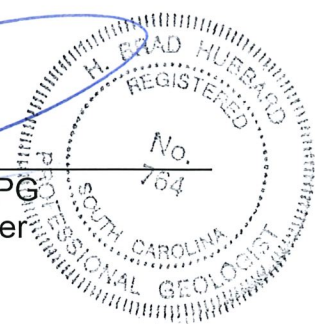
ATC Project No. 257CK88612

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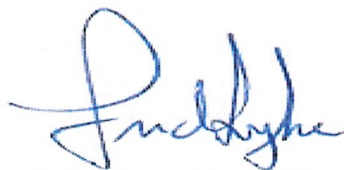
**South Carolina Department of Health and
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Underground Storage Tank Site Rehabilitation
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November 17, 2021

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1.0 INTRODUCTION

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

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

3.1 Free Product Measurements, Groundwater Flow

Water levels in all monitoring wells associated with the site were measured prior to sampling activities on October 13 through 15, 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 $(18.70 - 15.90) / 325 \text{ ft.}$, or 0.0086. The vertical hydraulic gradient, as measured between paired shallow and deep cased wells, was downward between well pairs 01589 MW16/01589 DW-4 (0.3 ft.), 01589 MW-24/01589 DW-3 (0.74 ft.), and 01589MW-34/DMW-5 (1.01 ft.). Upward

gradients were apparent between well pairs 01589 DMW-2/01589 MW-22 (0.18 ft.) and 01589 MW-1/DW-1 (1.07 ft.).

LNAPL was encountered in recovery wells 01589 RW-1, 01589 RW-5, 01589 RW-6, 01589 RW-7, 01589 RW-9, 01589 RW-10, and 01589 RW-11 and in monitoring well 01589 MW-6. Relative to data measured in April, 2021, product thicknesses had decreased in wells 01589 RW-1 (-0.06 ft.), 01589 RW-5 (-0.62 ft.), 01589 RW-7 (-0.08 ft.), 01589 RW-9 (-0.06 ft.), and 01589 RW-10 (-0.21 ft.). LNAPL was not present in 01589 RW-8, from a measured 0.53 ft. in April, 2021. LNAPL increases from April, 2021 were seen in 01589 RW-6 (+ 0.82 ft.), 01589 MW-6 (+ 0.17 ft.) and 01589 RW-11 (+ 4.26 ft. estimated) .The LNAPL encountered in recovery well 01589 RW-11 was black and viscous, and appeared to be a mixture of gasoline product and tar dissolved by the gasoline from the asphalt subbase of the highway. Therefore, measurement of the apparent thickness could only be made by insertion of a bailer and measuring the visible accumulation.

3.2 Groundwater Sampling and Analyses

Groundwater samples were collected for analysis of chemicals of concern (COCs) on October 13 through 15, 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.

Duplicate samples were collected from well 01589 MW-33 concurrent with collection of the original samples. Field blanks were collected on each sampling day 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 October 12 and 14, 2021, from the established sampling points set out in the CAP. Surface water sample points are indicated on **Figure 11**, and includes sample locations situated northeast, north and west of the area of investigation. Samples were collected using either a Teflon dipper or a PVC bailer. Where deep pooled water was encountered the sample was collected through the entire depth profile. During the sampling event, it was observed that sample location 01589 SW-5 was dry, and no samples were collected.

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

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

3.4 Water Well Sampling and Analysis

Selected water supply wells were sampled in accordance with the CAP. Well locations 01589 WSW-12, WSW-13, and WSW-16 were accessed for sampling on October 14 and 15, 2021.

Water wells were sampled through existing plumbing at the well head after allowing an approximate five-minute purge of the system before sample collection. A quality control duplicate was collected from water well 01589 WSW-13 on October 15, 2021. A field blank was also collected on this date at the location of 01589 WSW-13. A trip blank accompanied the sample shipper.

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

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 well 01589 MW-33 and water supply well 01589 WSW-13. The duplicates were submitted for analysis of the same parameters as the original samples. The RPD was calculated using the formula:

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

Where: C_S = Concentration of the sample

C_D = Concentration of the duplicate sample

The RPDs were compared to the 20% RPD limit established in Appendix E of the SCDHEC Programmatic QAPP. The results of the Precision Analysis are included in **Table 8** for monitoring and recovery wells, **Table 9** for surface water

samples, and **Table 10** for water wells. There was no reported case where the 20% RPD was exceeded.

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 oxygenates by 8260 not being reported for the trip blank for water well sampling. The results of the bias analysis of the field and trip blanks are included in **Tables 8, 9** and **10**, respectively

3.3.3 Representativeness

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

3.3.4 Completeness

The dataset meets the completeness criteria based on the purpose of the sampling event because each available monitoring well that did not contain LNAPL, was accessible, and was not dry, was sampled. The purpose of the sampling event was to monitor the petroleum impact to groundwater.

3.3.5 Comparability

The results of laboratory analyses of groundwater at the site between 2018 and this event are included in this report. The samples were collected using similar

field protocols, analyzed using the same EPA Methods, and the data are reported in micrograms per liter ($\mu\text{g/L}$) to allow for easy comparison. The comparability criteria are considered to be met.

3.3.6 Method Sensitivity

Laboratory method detection limits and reporting limits were reviewed and compared to the limits established in Appendix E of the SCDHEC Programmatic QAPP. The results of the Method Sensitivity analysis are included in **Tables 8, 9** and **10**, respectively. The following samples required dilutions due to high concentrations of certain constituents, so the sensitivity limits were not attained: samples from 01589 MW-1, 01589 MW-2, 01589 MW-7, 01589 MW-12, 01589 MW-13, 01589 MW-15, 01589 MW-33, 01589 RW-2, 01589 RW-3, 01589 RW-8, and 01589 RW-12. The sample from 01589 RW-2 had to be quantified at an extremely high dilution factor (10,000).

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. Phase II injections have been planned for late 2021/early 2022.

4.2 Groundwater COC Level Evaluation

Based on the results of the CASE sampling performed for the 2nd half of 2021, the following observations are presented:

- > LNAPL remains present in several recovery wells and one monitoring well at the site. LNAPL thicknesses are diminished in most wells relative to April 2021 data, but have increased in 01589 MW-6 and 01589 RW-6. The thickness in 01589 RW-11 is estimated due to its highly emulsified nature.
- > In wells for which SSTLs have been set, dissolved COC levels decreased in 01589 MW-1, 01589 MW-2, 01589 MW-7, 01598 MW-12, 01589 MW-13, 01589 MW-15, and 01589 RW-12. Levels either increased slightly or fluctuated in wells 01589 MW-3, 01589 MW-29, 01598 MW-32, and 01589 MW-33.
- > COCs were below detection in all water supply well samples and surface water samples.

The calculation of COC reduction is presented as **Table 11**. The calculated reduction of current dissolved COC mass relative to initial mass above SSTL mass is estimated at **51.37%**. However, since SSTLs have not been set for well 01589 MW-6, and since elevated detection levels due to extreme sample dilutions performed by the analytical laboratory (such as 10,000 times for the sample from 01589 RW-2) may have inhibited detection of certain COCs, the calculation is not fully representative at this time.

5.0 SUMMARY

During this reporting period, Atlas sampled all monitoring wells associated with the site, including eight of the nine surface water locations and three of the four water wells specified in the CAP (one, 01589 WSW-15, has been determined to be decommissioned and will be removed from the sampling program). Phase I of the injection program was focused on LNAPL control, although there is some evidence of diminishing dissolved COC levels. Phase II is tentatively scheduled to be initiated in late 2021, and will focus on additional LNAPL capture and dissolved plume reduction.

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

TABLES

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

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-1	11/22/2018	21.62	2.0 - 12.0	12.0	NM	4.82	0.00	16.80
	2/26/2019				NM	4.30	0.00	17.32
	3/11/2019				NM	4.53	0.00	17.09
	4/25/2019				NM	5.24	0.00	16.38
	7/8/2019				NM	4.17	0.00	17.45
	3/2/2020				NM	2.67	0.00	18.95
	4/20/2021				NM	5.09	0.00	16.53
	10/13/2021				NM	3.72	0.00	17.90
01589 MW-2	11/22/2018	21.59	2.0 - 12.0	12.0	NM	4.93	0.00	16.66
	2/12/2019				NM	3.37	0.00	18.22
	2/26/2019				NM	3.83	0.00	17.76
	3/11/2019				NM	4.07	0.00	17.52
	4/25/2019				NM	4.99	0.00	16.60
	7/8/2019				NM	3.78	0.00	17.81
	3/2/2020				2.28	2.30	0.02	19.28
	4/20/2021				NM	4.87	0.00	16.72
	10/13/2021				NM	3.41	0.00	18.18
	01589 MW-3				11/22/2018	22.94	2.0 - 12.0	12.0
2/12/2019		NM	3.81	0.00	19.13			
2/26/2019		NM	4.29	0.00	18.65			
3/11/2019		NM	4.55	0.00	18.39			
4/25/2019		NM	5.31	0.00	17.63			
7/8/2019		NM	4.80	0.00	18.14			
3/2/2020		NM	3.10	0.00	19.84			
4/20/2021		NM	4.70	0.00	18.24			
10/13/2021		NM	4.01	0.00	18.93			
01589 MW-4		11/22/2018	22.80	2.0 - 12.0	12.0			
	2/26/2019	NM				4.46	0.00	18.34
	3/11/2019	NM				4.67	0.00	18.13
	4/25/2019	NM				5.33	0.00	17.47
	7/8/2019	NM				3.77	0.00	19.03
	3/2/2020	NM				2.73	0.00	20.07
	4/20/2021	NM				4.85	0.00	17.95
	10/13/2021	NM				3.41	0.00	19.39
01589 MW-5	11/22/2018	23.57	2.0 - 12.0	12.0	NM	5.19	0.00	18.38
	2/26/2019				NM	4.46	0.00	19.11
	3/11/2019				NM	4.74	0.00	18.83
	4/25/2019				NM	5.41	0.00	18.16
	7/8/2019				NM	4.30	0.00	19.27
	3/2/2020				NM	3.13	0.00	20.44
	4/20/2021				NM	4.81	0.00	18.76
	10/13/2021				NM	3.68	0.00	19.89
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
	10/13/2021				2.00	2.32	0.32	16.77
	01589 MW-7				11/22/2018	19.55	2.0 - 12.0	12.0
2/12/2019		NM	2.45	0.00	17.10			
2/26/2019		NM	2.84	0.00	16.71			
3/11/2019		NM	2.99	0.00	16.56			
4/25/2019		NM	3.61	0.00	15.94			
7/8/2019		NM	2.44	0.00	17.11			
3/2/2020		NM	1.80	0.00	17.75			
4/20/2021		NM	3.96	0.00	15.59			
10/14/2021		NM	2.33	0.00	17.22			

btoc = below top of casing

NM = no measurable product present

NA = not applicable

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

* = product thickness measured through use of a bailer

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

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-8	11/22/2018	19.14	2.0 - 12.0	12.0	NM	3.05	0.00	16.09
	2/26/2019				NM	2.80	0.00	16.34
	3/11/2019				NM	2.93	0.00	16.21
	4/25/2019				NM	3.64	0.00	15.50
	7/8/2019				NM	2.52	0.00	16.62
	3/2/2020				NM	1.52	0.00	17.62
	4/20/2021				NM	3.71	0.00	15.43
	10/14/2021				NM	2.21	0.00	16.93
01589 MW-9	11/22/2018	16.50	2.0 - 12.0	12.0	NM	2.32	0.00	14.18
	2/26/2019				NM	2.77	0.00	13.73
	3/11/2019				NM	2.82	0.00	13.68
	4/25/2019				NM	3.33	0.00	13.17
	7/8/2019				NM	2.30	0.00	14.20
	3/2/2020				NM	2.03	0.00	14.47
	4/20/2021				well not found			
	10/14/2021				NM	2.37	0.00	14.13
01589 MW-10	11/22/2018	17.63	2.0 - 12.0	12.0	NM	3.09	0.00	14.54
	2/26/2019				NM	3.04	0.00	14.59
	3/11/2019				NM	3.04	0.00	14.59
	4/25/2019				NM	3.61	0.00	14.02
	7/8/2019				NM	2.73	0.00	14.90
	3/2/2020				NM	2.26	0.00	15.37
	4/20/2021				NM	3.92	0.00	13.71
	10/14/2021				NM	2.66	0.00	14.97
01589 MW-11	11/22/2018	18.13	2.0 - 12.0	12.0	NM	2.85	0.00	15.28
	2/26/2019				NM	3.03	0.00	15.10
	3/11/2019				NM	3.09	0.00	15.04
	4/25/2019				NM	3.76	0.00	14.37
	7/8/2019				NM	2.74	0.00	15.39
	3/2/2020				NM	2.36	0.00	15.77
	4/20/2021				NM	4.03	0.00	14.10
	10/14/2021				NM	2.54	0.00	15.59
01589 MW-12	11/22/2018	21.38	2.0 - 12.0	12.0	NM	4.76	0.00	16.62
	2/12/2019				NM	3.70	0.00	17.68
	2/26/2019				NM	4.15	0.00	17.23
	3/11/2019				NM	4.36	0.00	17.02
	4/25/2019				NM	5.28	0.00	16.10
	7/8/2019				NM	3.97	0.00	17.41
	3/2/2020				NM	2.17	0.00	19.21
	4/20/2021				NM	5.19	0.00	16.19
10/13/2021	NM	3.54	0.00	17.84				
01589 MW-13	11/22/2018	20.48	2.0 - 12.0	12.0	NM	4.07	0.00	16.41
	2/12/2019				NM	3.11	0.00	17.37
	2/26/2019				NM	3.54	0.00	16.94
	3/11/2019				NM	3.71	0.00	16.77
	4/25/2019				NM	4.70	0.00	15.78
	7/8/2019				NM	3.26	0.00	17.22
	3/2/2020				NM	1.95	0.00	18.53
	4/20/2021				NM	4.61	0.00	15.87
10/13/2021	NM	2.74	0.00	17.74				
01589 MW-14	11/22/2018	23.45	2.0 - 12.0	12.0	NM	5.96	0.00	17.49
	2/26/2019				NM	4.60	0.00	18.85
	3/11/2019				NM	4.85	0.00	18.60
	4/25/2019				NM	5.92	0.00	17.53
	7/8/2019				NM	5.10	0.00	18.35
	3/2/2020				NM	3.17	0.00	20.28
	4/20/2021				NM	5.40	0.00	18.05
	10/13/2021				NM	4.20	0.00	19.25

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 * = product thickness measured through use of a bailer

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

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

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Circle K 2720886
4315 Savannah Highway
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UST Permit #01589

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

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Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-29	11/22/2018	22.35	5.0 - 15.0	15.0	NM	7.01	0.00	15.34
	2/26/2019				NM	6.68	0.00	15.67
	3/11/2019				NM	6.84	0.00	15.51
	4/25/2019				NM	4.93	0.00	17.42
	7/8/2019				NM	6.62	0.00	15.73
	3/2/2020				NM	4.24	0.00	18.11
	4/20/2021				NM	8.02	0.00	14.33
	10/14/2021				NM	5.73	0.00	16.62
01589 MW-30	11/22/2018	18.06	2.0 - 12.0	12.0	NM	3.27	0.00	14.79
	2/26/2019				NM	3.30	0.00	14.76
	3/11/2019				NM	3.44	0.00	14.62
	4/25/2019				NM	4.38	0.00	13.68
	7/8/2019				NM	2.89	0.00	15.17
	3/2/2020				NM	1.74	0.00	16.32
	4/20/2021				NM	4.51	0.00	13.55
	10/14/2021				NM	2.36	0.00	15.70
01589 MW-31	11/22/2018	23.28	2.0 - 12.0	12.0	NM	7.64	0.00	15.64
	2/26/2019				NM	7.58	0.00	15.70
	3/11/2019				NM	7.69	0.00	15.59
	4/25/2019				NM	8.55	0.00	14.73
	7/8/2019				NM	7.21	0.00	16.07
	3/2/2020				NM	5.91	0.00	17.37
	4/20/2021				NM	8.78	0.00	14.50
	10/15/2021				NM	6.73	0.00	16.55
01589 MW-32	2/26/2019	22.80	3.0-13.0	13.0	NM	4.64	0.00	18.16
	3/11/2019				NM	4.97	0.00	17.83
	4/25/2019				NM	5.59	0.00	17.21
	7/8/2019				NM	4.97	0.00	17.83
	3/2/2020				NM	3.52	0.00	19.28
	4/20/2021				NM	5.03	0.00	17.77
	10/13/2021				NM	4.32	0.00	18.48
	01589 MW-33				2/26/2019	22.26	3.0-13.0	13.0
3/11/2019		NM	4.54	0.00	17.72			
4/25/2019		NM	5.46	0.00	16.80			
7/8/2019		4.37	4.48	0.11	17.86			
3/2/2020		NM	4.48	0.00	17.78			
4/20/2021		5.13	5.31	0.18	17.08			
10/13/2021		NM	3.88	0.00	18.38			
01589 MW-34		2/26/2019	26.56	3.0-13.0	13.0			
	3/11/2019	NM				8.35	0.00	18.21
	4/25/2019	NM				9.43	0.00	17.13
	7/8/2019	NM				8.11	0.00	18.45
	3/2/2020	NM				6.55	0.00	20.01
	4/20/2021	NM				9.15	0.00	17.41
	10/15/2021	NM				7.53	0.00	19.03
	01589 MW-35	2/26/2019				25.15	3.0-13.0	13.0
3/11/2019		NM	7.11	0.00	18.04			
4/25/2019		NM	8.33	0.00	16.82			
7/8/2019		NM	6.92	0.00	18.23			
3/2/2020		NM	5.20	0.00	19.95			
4/20/2021		NM	8.01	0.00	17.14			
10/15/2021		NM	6.27	0.00	18.88			
01589 MW-36		2/26/2019	19.00	3.0-13.0	13.0			
	3/11/2019	NM				2.76	0.00	16.24
	4/25/2019	NM				3.66	0.00	15.34
	7/8/2019	NM				2.21	0.00	16.79
	3/2/2020	NM				1.06	0.00	17.94
	4/20/2021	NM				3.59	0.00	15.41
	10/14/2021	NM				1.83	0.00	17.17
	01589 MW-37	2/26/2019				23.01	3.0-13.0	13.0
3/11/2019		NM	8.51	0.00	14.50			
4/25/2019		NM	9.72	0.00	13.29			
7/8/2019		NM	8.03	0.00	14.98			
3/2/2020		NM	5.65	0.00	17.36			
4/20/2021		NM	9.81	0.00	13.20			
10/14/2021		NM	7.17	0.00	15.84			

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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
	10/14/2021				NM	7.08	0.00	16.17
01589 DMW-1	11/22/2018	21.84	34.0 - 39.0	39.0	NM	5.11	0.00	16.73
	2/26/2019				NM	4.87	0.00	16.97
	3/11/2019				NM	4.94	0.00	16.90
	4/25/2019				NM	5.81	0.00	16.03
	7/8/2019				NM	4.13	0.00	17.71
	3/2/2020				NM	3.29	0.00	18.55
	4/20/2021				NM	5.97	0.00	15.87
10/14/2021	NM	2.87	0.00	18.97				
01589 DMW-2	11/22/2018	18.81	34.0 - 39.0	39.0	NM	8.25	0.00	10.56
	2/26/2019				NM	3.81	0.00	15.00
	3/11/2019				NM	3.89	0.00	14.92
	4/25/2019				NM	4.91	0.00	13.90
	7/8/2019				NM	3.49	0.00	15.32
	3/2/2020				NM	2.19	0.00	16.62
	4/20/2021				NM	5.06	0.00	13.75
10/15/2021	NM	2.87	0.00	15.94				
01589 DMW-3	11/22/2018	23.33	35.0 - 40.0	40.0	NM	3.65	0.00	19.68
	2/26/2019				NM	8.20	0.00	15.13
	3/11/2019				NM	8.34	0.00	14.99
	4/25/2019				NM	9.13	0.00	14.20
	7/8/2019				NM	7.92	0.00	15.41
	3/2/2020				NM	6.71	0.00	16.62
	4/20/2021				NM	9.27	0.00	14.06
10/15/2021	NM	7.40	0.00	15.93				
01589 DMW-4	7/8/2019	21.13	40.0 - 45.0	45.0	NM	4.30	0.00	16.83
	3/2/2020				NM	3.78	0.00	17.35
	4/20/2021				NM	4.91	0.00	16.22
	10/13/2021				NM	2.86	0.00	18.27
01589 DMW-5	7/8/2019	26.38	38.0 - 43.0	43.0	NM	8.06	0.00	18.32
	3/2/2020				NM	6.88	0.00	19.50
	4/20/2021				NM	9.27	0.00	17.11
	10/15/2021				NM	7.56	0.00	18.82
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	17.87
10/13/2021	3.59	3.66	0.07	17.92				
01589 RW-2	11/22/2018	21.51	2.0 - 12.0	12.0	NM	4.28	0.00	17.23
	2/26/2019				3.91	3.95	0.04	17.59
	3/11/2019				4.20	4.24	0.04	17.30
	4/25/2019				NM	4.69	0.00	16.82
	7/8/2019				2.22	2.78	0.56	19.14
	4/20/2021				4.34	4.40	0.06	17.15
10/13/2021	NM	3.18	0.00	18.33				
01589 RW-3	11/22/2018	21.95	2.0 - 12.0	12.0	NM	4.60	0.00	17.35
	2/26/2019				NM	4.36	0.00	17.59
	3/11/2019				NM	4.58	0.00	17.37
	4/25/2019				NM	5.14	0.00	16.81
	7/8/2019				3.80	5.36	1.56	17.74
	3/2/2020				2.75	3.31	0.56	18.23
	4/20/2021				4.77	4.83	0.06	17.08
10/13/2021	NM	3.66	0.00	18.29				

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
	10/13/2021				NM	2.96	0.00	18.84
01589 RW-5	11/22/2018	19.76	2.0 - 12.0	12.0	2.80	3.16	0.36	16.87
	2/26/2019				2.52	3.11	0.59	17.09
	3/11/2019				2.76	3.31	0.55	16.86
	4/25/2019				3.25	5.02	1.77	16.05
	7/8/2019				2.08	3.72	1.64	17.25
	3/2/2020				0.35	2.87	2.52	15.03
	4/20/2021				3.27	4.02	0.75	15.19
	10/13/2021				1.98	2.11	0.13	17.55
01589 RW-6	11/22/2018	19.20	2.0 - 12.0	12.0	3.11	4.42	1.31	15.75
	2/26/2019				1.91	4.09	2.18	16.72
	3/11/2019				2.52	2.98	0.46	16.56
	4/25/2019				2.95	4.67	1.72	15.80
	7/8/2019				1.70	3.70	2.00	14.02
	3/2/2020				0.37	2.04	1.67	15.92
	4/20/2021				2.85	3.22	0.37	15.71
	10/13/2021				1.37	2.56	1.19	15.76
01589 RW-7	2/26/2019	21.53	3.0-13.0	13.0	NM	4.40	0.00	17.13
	3/11/2019				NM	4.66	0.00	16.87
	4/25/2019				NM	5.37	0.00	16.16
	7/8/2019				4.12	4.57	0.45	16.63
	3/2/2020				2.84	3.00	0.16	18.41
	4/20/2021				5.17	5.37	0.20	16.01
	10/13/2021				3.70	3.82	0.12	17.62
	01589 RW-8				2/26/2019	18.67	3.0-13.0	13.0
3/11/2019		2.47	2.48	0.01	16.20			
4/25/2019		3.25	4.36	1.11	15.13			
7/8/2019		2.07	2.37	0.30	16.08			
3/2/2020		0.00	1.35	0.00	17.32			
4/20/2021		3.07	3.60	0.53	14.68			
10/14/2021		NM	1.59	0.00	17.08			
01589 RW-9		2/26/2019	19.36	3.0-13.0	13.0			
	3/11/2019	3.11				3.21	0.10	16.22
	4/25/2019	3.42				5.15	1.73	15.49
	7/8/2019	2.75				3.61	0.86	16.39
	3/2/2020	NM				2.24	0.00	17.12
	4/20/2021	3.75				3.87	0.12	15.58
	10/14/2021	2.21				2.27	0.06	17.13
	01589 RW-10	2/26/2019				17.00	3.0-13.0	13.0
3/11/2019		2.28	2.61	0.33	14.63			
4/25/2019		3.00	4.57	1.57	13.59			
7/8/2019		2.07	3.44	1.37	12.55			
3/2/2020		1.61	2.18	0.57	14.40			
4/20/2021		3.09	3.31	0.22	13.53			
10/14/2021		1.71	1.72	0.01	15.27			
01589 RW-11		2/26/2019	17.49	1.0-6.0	6.0			
	3/11/2019	not gauged					0.50*	NM
	4/25/2019	not gauged					1.30*	NM
	7/8/2019	1.05				2.55	1.50	13.83
	3/2/2020	not gauged					6.00	NM
	4/20/2021	2.26				2.94	0.68	14.05
	10/15/2021	1.06				6.00	4.94	7.83
	01589 RW-12	2/26/2019				17.05	1.0-6.0	6.0
3/11/2019		NM	1.19	NA	15.86			
4/25/2019		NM	2.06	NA	14.99			
7/8/2019		NM	0.86	NA	16.19			
3/2/2020		not gauged		NA	NM			
4/20/2021		NM	2.07	0.00	14.98			
10/15/2021		NM	0.50	0.00	16.55			

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	10/13/2021	14,600	19,600	1,240	3,350	468	157 J	<200	<20,000	<200	<40,000	<20,000	9,120 J	<2,000	<2,000	<10,000
01589 MW-2	10/13/2021	8,260	17,400	1,030	7,340	431	188	<125	<12,500	<125	<25,000	<12,500	18,900	<1,250	<1,250	<6,250
01589 MW-3	10/13/2021	61.3	1.7	0.78 J	17.5	0.89 J	<1.0	<1.0	<100	<1.0	<200	<100	115	<10.0	3.3 J	<50.0
01589 MW-4	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-5	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-6	10/13/2021	no sample due to free product														
01589 MW-7	10/14/2021	1,340	2,810	592	3,160	<20	118	<20	<2,000	<20	<4,000	<2,000	1,830 J	<200	<200	<1,000
01589 MW-8	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-9	10/14/2021	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-10	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-11	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-12	10/13/2021	700	20.1	127	16.9	7.2	9.1	<5.0	<500	<5.0	<1,000	<500	352 J	<50	16.9 J	<250
01589 MW-13	10/13/2021	30.9	1.5 J	113	93	<2.0	45.7	<2.0	<200	<2.0	<400	<200	<200	<20.0	<20.0	<100
01589 MW-14	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-15	10/13/2021	1,110	1,000	280	1,210	4.3 J	35.7	<10.0	<1,000	<10.0	<2,000	<1,000	<1,000	<100	<100	<500
01589 MW-16	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-17	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-18	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-19	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-20	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-21	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-22	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
RBSL		5.0	1,000	700	10,000	40.0	25.0	5,000	NE	150	10,000	1,400	240	128	47.0	NE

Notes:

Units = ug/L

c = Not detected at or above the laboratory reporting limit

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Napthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
RBSL		5.0	1,000	700	10,000	40.0	25.0	5,000	NE	150	10,000	1,400	240	128	47.0	NE
01589 MW-23	10/14/2021	<1.0	<1.0	0.64 J	<1.0	1.1	<1.0	<1.0	<100	0.41 J	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-24	10/15/2021	<1.0	<1.0	<1.0	<1.0	1.0 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-25	10/15/2021	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-26	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-27	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-28	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-29	10/14/2021	1.7	<1.0	2	<1.0	20.4	<1.0	<1.0	<100	<1.0	<200	55.7 J	188	<10.0	7.4 J	<50.0
01589 MW-30	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-31	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-32	10/13/2021	366	1.5 J	4.4	13.6	8.5	<2.0	<2.0	<200	<2.0	<400	137 J	655	6.5 J	10.7 J	<100
01589 MW-33	10/13/2021	7,020	24,600	2,090	15,600	140 J	373	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000
01589 MW-34	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-35	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-36	10/14/2021	0.37 J	<1.0	1	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	120	<10.0	<10.0	<50.0
01589 MW-37	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-38	10/14/2021	4.8	<1.0	2.1	<1.0	25.4	<1.0	<1.0	<100	0.75 J	<200	86.7 J	143	<10.0	8.8 J	<50.0
01589 DMW-1	10/13/2021	0.76 J	<1.0	<1.0	<1.0	0.43 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-2	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-3	10/15/2021	0.48 J	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-4	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-5	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 RW-1	10/13/2021	no sample due to free product														
01589 RW-2	10/13/2021	14,700	41,400	3,620 J	18,000	<10,000	<10,000	<10,000	<1,000,000	<10,000	61,100,000	<1,000,000	<1,000,000	<100,000	<100,000	<500,000
01589 RW-3	10/13/2021	8,420	24,900	1,760	14,700	198	403	<125	<12,500	<125	<25,000	<12,500	13,700	<1,250	<1,250	<6,250
01589 RW-4	10/13/2021	0.8 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
RBSL		5.0	1,000	700	10,000	40.0	25.0	5,000	NE	150	10,000	1,400	240	128	47.0	NE

Notes:

Units = ug/L

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

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-butyl ether	tert-Butyl formate
RBSL		5.0	1,000	700	10,000	40.0	25.0	5,000	NE	150	10,000	1,400	240	128	47.0	NE
01589 RW-5		no sample due to free product														
01589 RW-6		no sample due to free product														
01589 RW-7		no sample due to free product														
01589 RW-8	10/14/2021	878	1,970	529	2,680	25.2	168	<20.0	<2,000	<20.0	<4,000	<2,000	2,360	<200	<200	<1,000
01589 RW-9		no sample due to free product														
01589 RW-10		no sample due to free product														
01589 RW-11		no sample due to free product														
01589 RW-12	10/15/2021	2,040	2,390	241	2,160	77.3	61	<20.0	<2,000	<20.0	<4,000	<2,000	2,940	<200	<200	<1,000
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 tertbutyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Butyl alcohol	tert-Butyl alcohol	tert-Butyl alcohol	tert-Butyl alcohol
01589 MW-1	10/13/2021	14,600	19,600	1,240	3,350	468	157 J	<200	<20,000	<200	<40,000	<20,000	9,120 J	<2,000	<2,000	<10,000
	4/22/2021	13,900	32,200	1,730	8,450	1,190	378	<250	<25,000	<250	<50,000	<25,000	<25,000	<2,500	<2,500	<12,500
	3/3/2020	19,300	44,200	2,460	11,100	1,890	342	<250	<25,000	<250	84,400	<25,000	40,000	<2,500	<2,500	<12,500
	07/10/2019	17,700	40,400	2,290	11,400	1,850	<250	<250	<25,000	<250	<50,000	<25,000	<25,000	<2,500	<2,500	<12,500
	11/28/2018	23,000	62,000	3,600	18,000	3,100	440J	<500	<10,000	<500	38,000 J	4,100 J	29,000	<5,000	880	<2,500
	SSTL	6	1,324	869	11,400	51	28	--	--	--	21,596	1,526	295	--	57	--
01589 MW-2	10/13/2021	8,260	17,400	1,030	7,340	431	188	<125	<12,500	<125	<25,000	<12,500	18,900	<1,250	<1,250	<6,250
	4/21/2021	12,100	26,300	1,500	11,100	913	561	<250	<25,000	<250	<50,000	<25,000	37,700	<2,500	<2,500	<12,500
	3/3/2020	0.02 Feet of free product - not sampled														
	07/10/2019	10,000	21,600	1,690	9,250	559	236	<125	<12,500	<125	<25,000	<12,500	16,200	<1,250	<1,250	<6,250
	11/28/2018	11,000	22,000	2,100	9,500	680	200	<200	<4,000	<200	<20,000	2,000J	20,000	<2,000	390	<1,000
	SSTL	5	1,144	775	9,250	45	26	--	--	--	14,610	1,453	264	--	51	--
01589 MW-3	10/13/2021	61.3	1.7	0.78 J	17.5	0.89 J	<1.0	<1.0	<100	<1.0	<200	<100	115	<10.0	3.3 J	<50.0
	4/21/2021	7.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	4.7	2.9	<1.0	0.94J	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	14J	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-4	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<100	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-5	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	<1.0	<1.0	<1.0	<1.0	<1.0	16.9	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<100	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-6	10/13/2021	0.32 feet of free product - not sampled														
	5/13/2021	16,400	28,900	2,190	8,920	1,990	272	<200	<20,000	<200	<40,000	5,410 J	42,200	<2,000	<2,000	<10,000
	3/3/2020	1.09 feet of free product - not sampled														
	07/08/2019	0.09 feet of free product - not sampled														
	11/28/2018	0.76 feet of free product - not sampled														
01589 MW-7	10/14/2021	1,340	2,810	592	3,160	<20	118	<20	<2,000	<20	<4,000	<2,000	1,830 J	<200	<200	<1,000
	4/21/2021	3,890	17,000	1,550	7,260	<100	221	<100	<10,000	<100	<20,000	<10,000	<10,000	<1,000	<1,000	<5,000
	3/3/2020	10,600	37,800	2,140	12,000	<250	317	<250	<25,000	<250	<50,000	<25,000	<25,000	<2,500	<2,500	<12,500
	07/09/2019	9,210	34,100	2,390	12,700	<200	271	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000
	11/29/2018	12,000	45,000	2,600	13,000	<200	320	<200	<4,000	<200	<20,000	<4,000	17,000	<2,000	98J	<1,000
	SSTL	21	8,500	2,390	12,700	200	67	--	--	--	40,000	3,356	1,247	--	222	--
01589 MW-8	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	9.8J	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-9	10/14/2021	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	5/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<1.0	0.46 J	<1.0	<1.0	1.7	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	14	<1.0	<1.0	<20.0	<1.0	<100	<20.0	15J	<10.0	0.58J	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--

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-Butyl alcohol	tert-Butyl alcohol	tert-Butyl alcohol	tert-Butyl alcohol
01589 MW-10	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<1.0	<1.0	<1.0	<1.0	<1.0	0.74 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-11	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<1.0	<1.0	<1.0	<1.0	<1.0	0.39 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-12	10/13/2021	700	20.1	127	16.9	7.2	9.1	<5.0	<500	<5.0	<1,000	<500	352 J	<50	16.9 J	<250
	4/21/2021	1,440	27.5	152	112	11 J	<12.5	<12.5	<1,250	<12.5	<2,500	<1,250	<1,250	<125	<125	<625
	3/3/2020	609	18.9	81.2	52.4	13.8	11.7	<5.0	<500	<5.0	<1,000	<500	1,140	<50.0	34.8 J	<250
	07/10/2019	410	12.7	46.5	24.5	9.8	9.1	<2.5	<250	<2.5	<500	<250	1,370	<25.0	25.9	<125
	11/28/2018	700	35	110	70	<20	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	10/13/2021	30.9	1.5 J	113	93	<2.0	45.7	<2.0	<200	<2.0	<400	<200	<200	<20.0	<20.0	<100
	4/21/2021	88.7	83	2,260	6,800	<25	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	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	1.1	<1.0	0.67 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	4.1	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	4	--	--	--	1,000	100	100	--	100	--
01589 MW-15	10/13/2021	1,110	1,000	280	1,210	4.3 J	35.7	<10.0	<1,000	<10.0	<2,000	<1,000	<1,000	<100	<100	<500
	4/21/2021	5,310	9,510	901	4,410	34.2 J	151	<50	<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	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	0.82 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20	<20	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-17	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	0.6 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-18	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	0.46 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert-butyl ether	Naphthalene	1,2-Dichloroethane (1,2 DCA)	ethyl tert-butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl/methyl ether	ethyl tert-butyl ether	tert-Butyl formate
01589 MW-19	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-20	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-21	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	0.57J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-22	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	6.5	<1.0	<1.0	0.41J	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-23	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	0.5J	<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	10/15/2021	<1.0	<1.0	<1.0	<1.0	1.0J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	0.50J	<1.0	<1.0	<1.0	0.55J	<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	10/15/2021	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	2.9	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<10.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-26	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	<1.0	1.6	0.83J	3.9	0.88J	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<10.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-27	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	0.71J	<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	--

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-28	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	<1.0	<1.0	<1.0	<1.0	0.43J	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<10.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-29	10/14/2021	1.7	<1.0	2	<1.0	20.4	<1.0	<1.0	<100	<1.0	<200	55.7 J	188	<10.0	7.4 J	<50.0
	4/21/2021	0.8 J	<1.0	<1.0	<1.0	45	<1.0	<1.0	<100	0.62 J	<200	92 J	236	2.9 J	16	<50.0
	03/03/2020	10.4	<1.0	<1.0	<1.0	28.9	<1.0	<1.0	<100	0.41 J	<200	63.3 J	87.2 J	<10.0	8.8 J	<50.0
	07/09/2019	2.2	<1.0	<1.0	<1.0	7.4	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	55	<1.0	<1.0	<1.0	84	<1.0	<1.0	<20.0	1	<100	150	190	5.7J	27	<5.0
	SSTL	5	5	5	10	7	5	--	--	--	1,000	100	100	--	100	--
01589 MW-30	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<10.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-31	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<1.0	<1.0	<1.0	<1.0	0.99 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	0.36 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	<1.0	<1.0	<1.0	<1.0	4.4	2.6	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	3.5	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-32	10/13/2021	366	1.5 J	4.4	13.6	8.5	<2.0	<2.0	<200	<2.0	<400	137 J	655	6.5 J	10.7 J	<100
	4/22/2021	144	0.59 J	0.51 J	2	7.6	2.1	<1.0	<100	<2.0	<200	74.2 J	222	4.3 J	7.6 J	<50.0
	03/03/2020	340	2.1	3.2	15.4	5.9	1.6 J	<2.0	<200	<2.0	<400	<200	181 J	<20.0	9.2 J	<100
	07/09/2019	306	9.3	9.7	17.1	11.4	<2.0	<2.0	<200	<2.0	<400	<200	284	<20.0	<20.0	<100
	11/28/2018	13	9	10	17	11	2	--	--	--	1,000	200	284	--	100	--
	SSTL	13	9	10	17	11	2	--	--	--	1,000	200	284	--	100	--
01589 MW-33	10/13/2021	7,020	24,600	2,090	15,600	140 J	373	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000
	5/13/2021	9,730	22,900	1,760	7,870	273	194	<125	<12,500	<125	<25,000	<12,500	8,710 J	<1,250	<1,250	<6,250
	03/04/2020	4,180	13,200	1,760	8,670	57.5 J	356	<125	<12,500	<125	<25,000	<12,500	<12,500	<1,250	<1,250	<6,250
	07/08/2019	0.11 feet of free product														
	SSTL	6	1,205	759	11,013	57	26	--	--	--	25,000	1,795	265	--	56	--
01589 MW-34	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/04/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	1.1	<200	<100	<100	<10.0	<10.0	<50.0
	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-35	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/04/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	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-36	10/14/2021	0.37 J	<1.0	1	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	120	<10.0	<10.0	<50.0
	4/21/2021	1.3	<1.0	4	<1.0	<1.0	0.73 J	<1.0	<100	<1.0	<200	<100	197	<10.0	<10.0	<50.0
	03/04/2020	1.3	10.0	59.9	67	<1.0	7.3	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	14.5	102	113	223	<1.0	12.9	<1.0	<100	<1.0	<200	<100	148	<10.0	<10.0	<50.0
	11/28/2018	6	102	113	223	5	13	--	--	--	1,000	100	148	--	100	--
	SSTL	6	102	113	223	5	13	--	--	--	1,000	100	148	--	100	--
01589 MW-37	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	0.65 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	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-38	10/14/2021	4.8	<1.0	2.1	<1.0	25.4	<1.0	<1.0	<100	0.75 J	<200	86.7 J	143	<10.0	8.8 J	<50.0
	4/21/2021	10	<1.0	<1.0	<1.0	3.7	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	41.1	<1.0	<1.0	<1.0	3.1	1.5	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	73.6	<1.0	<1.0	2.1	11.2	<1.0	<1.0	<100	<1.0	<200	<100	138	<10.0	<10.0	<50.0
	11/28/2018	74	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
	SSTL	74	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert-butyl ether	Naphthalene	1,2-Dichloroethane (1,2 DCA)	ethyl tert-butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Butyl alcohol	tert-Butyl alcohol	tert-Butyl alcohol	tert-Butyl alcohol
01589 DMW-1	10/13/2021	0.76 J	<1.0	<1.0	<1.0	0.43 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<1.0	<1.0	<1.0	<1.0	0.43 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	5.5	1.3	0.95 J	<1.0	0.49 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	7.1	1.1	1.1	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	130	16	14	48	12	1.3	<1.0	<20	<1.0	<100	24	190	<10.0	6.5	<5.0
	SSTL	7	6	6	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 DMW-2	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 DMW-3	10/15/2021	0.48 J	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<1.0	<1.0	<1.0	<1.0	0.31 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	0.31 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	1.2	<1.0	0.66J	<1.0	<1.0	<1.0	<20	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 DMW-4	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/04/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
	01589 DMW-5	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0
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		10/13/2021	0.07 feet of free product													
	4/20/2021	0.13 feet of free product														
	03/04/2020	0.81 feet of free product														
	07/10/2019	12,300	27,900	1,700	11,800	1,400	283	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000
	11/28/2018	20,000	47,000	2,100	10,000	3,400	<500	<500	<10,000	<500	<50,000	5,100 J	34,000	<5,000	750	<2,500
	10/13/2021	14,700	41,400	3,620 J	18,000	<10,000	<10,000	<10,000	<10,000	<10,000	61100000	<1,000,000	<1,000,000	<100,000	<100,000	<500,000
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
	10/13/2021	8,420	24,900	1,760	14,700	198	403	<125	<12,500	<125	<25,000	<12,500	13,700	<1,250	<1,250	<6,250
	4/20/2021	0.06 feet of free product														
01589 RW-3	03/04/2020	0.56 feet of free product														
	07/08/2019	1.56 feet of free product														
	11/28/2018	15,000	41,000	2,800	15,000	530	360J	<500	<10,000	<500	<50,000	<10,000	21,000	<5,000	<500	<2,500
	10/13/2021	0.8 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	0.8 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/04/2020	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
07/10/2019	3.3	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
11/28/2018	15	5.6	2.8	6.9	<1.0	<1.0	<1.0	<20	<1.0	<100	<20	77	<10	<1.0	<5.0	
SSTL	3	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--	
01589 RW-5	10/13/2021	0.13 feet of free product														
	4/20/2021	0.75 feet of free product														
	03/04/2020	2.52 feet of free product														
	07/08/2019	1.64 feet of free product														
	11/28/2018	0.36 feet of free product														

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
01589 RW-6	10/13/2021	1.19 feet of free product														
	4/20/2021	0.37 feet of free product														
	03/04/2020	1.67 feet of free product														
	07/08/2019	2 feet of free product														
	11/28/2018	1.67 feet of free product														
01589 RW-7	4/20/2021	0.12 feet of free product														
	4/20/2021	0.2 feet of free product														
	03/04/2020	0.16 feet of free product														
	07/08/2019	0.45 feet of free product														
01589 RW-8	10/14/2021	878	1,970	529	2,680	25.2	168	<20.0	<2,000	<20.0	<4,000	<2,000	2,360	<200	<200	<1,000
	4/20/2021	0.53 feet of free product														
	03/04/2020	1,690	3,550	587	2,570	48	103	<25.0	<2,500	<25.0	<5,000	<2,500	3,900	<250	<250	<1,250
	07/08/2019	0.3 feet of free product														
	10/14/2021	0.06 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														
	10/14/2021	0.01 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														
	10/15/2021	4.94 feet of free product														
01589 RW-11	04/20/2020	0.68 feet of free product														
	03/04/2020	6.0 feet of free product														
	07/08/2019	1.5 feet of free product														
01589 RW-12	10/15/2021	2,040	2,390	241	2,160	77.3	61	<20.0	<2,000	<20.0	<4,000	<2,000	2,940	<200	<200	<1,000
	4/22/2021	7,280	3,620	542	4,630	261	123	<50.0	<5,000	<50.0	<10,000	<5,000	11,100	<500	184 J	<2,500
	03/04/2020	Heavy sheen of free product (< 0.01 ft.)														
	07/10/2019	4,360	6,410	556	5,080	236	170	<50.0	<5,000	<50.0	<10,000	<5,000	5,030	<500	<500	<2,500
	SSTL	5	1,144	556	5,080	45	26	--	--	--	1,000	1,453	264	--	51	--

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

Table 4
Water Well Analytical Data
1st Half 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	10/15/2021	<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
01589 WSW-13	10/15/2021	<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
01589 WSW-16	10/14/2021	<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 inaccessible for sampling

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

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

Units = ug/L

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

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Napthalene	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	10/15/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-13	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
	10/15/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-14	7/10/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/29/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	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 decommissioned 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	10/14/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/29/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/5/2020	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	7/10/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/27/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-17	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/31/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0

Units = µg/L

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

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

Bold concentrations equal or exceed the corresponding RBSL

NE = Not established

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Napthalene	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	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-2	10/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-3	10/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-4	10/12/2021	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-5	10/12/2021	Not sampled-dry														
01589 SW-6	10/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-7	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-8	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-9	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
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	
1589 SW-1	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	04/22/2021	Not Sampled-Dry															
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10	<1.0	<5.0	
1589 SW-2	10/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	04/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<50.0	
1589 SW-3	10/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	04/22/2021	<1.0	<1.0	0.34	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	8	<50.0	
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<50.0	
1589 SW-4	10/12/2021	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	04/22/2021	Not Sampled-Dry															
	03/06/2020	<1.0	0.53 J	<1.0	1.8	0.66 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	11/30/2018	150	750	34	380	<5.0	8	<5.0	<100	<5.0	<500	<100	<100	<50	<5.0	<25	
1589 SW-5	10/12/2021	Not Sampled-Dry															
	04/22/2021	Not Sampled-Dry															
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10	<1.0	<5.0	
1589 SW-6	10/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	04/22/2021	<1.0	0.67 J	1.2	4.4	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	03/06/2020	<1.0	<1.0	0.46 J	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0	
1589 SW-7	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	04/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0	
1589 SW-8	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	04/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0	
1589 SW-9	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	04/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0	
RBSL		5.0	1,000	700	10,000	40.0	25.0	5.0	NE	150	10,000	1,400	240	128	47.0	NE	

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

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							Comments / Notes	
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether		tert-Butyl formate
Precision Analysis																	
Precision Limit (RPD %)		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
RPD (%)		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
01589 MW-33	10/13/21 @ 1624	7,020	24,600	2,090	15,600	140 J	373	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000	
01589 DUP	10/13/21 @ 1626	5,910	21,600	1,740	13,000	156	354	<125	<12,500	<125	<25,000	<12,500	<12,500	<1,250	<1,250	<6,250	
RPD (%)		17%	13%	18%	18%	---	5%	---	---	---	---	---	---	---	---	---	
Bias Analysis																	
01589 FB-1	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	No Errors Indicated
01589 FB-2	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	No Errors Indicated
01589 FB-1	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	No Errors Indicated
01589 trip blank	--	--	--	--	--	--	--	--	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	BTEXMNDCA not reported
Method Sensitivity																	
Sensitivity Limits (GW - ug/L)		<5	<5	<5	<5	<10	<5	<5	<100	<10	<1,000	<100	<100	<10	<100	<100	
01589 MW-1	10/13/2021	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-2	10/13/2021	43.1	60	38	42.2	52.8	80.6	40.2	6,490	38.5	9,020	3,350	5	332	405	3,680	125 x dilution
01589 MW-3	10/13/2021	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-4	10/13/2021	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-5	10/13/2021	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-7	10/14/2021	6.9	9.7	6.1	6.8	8.4	12.9	6.4	1,040	6.2	1,440	536	728	53.2	64.8	588	20 x dilution
01589 MW-8	10/14/2021	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	10/14/2021	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	10/14/2021	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	10/14/2021	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	10/13/2021	1.7	2.4	1.5	1.7	2.1	3.2	1.6	260	1.5	361	134	182	13.3	16.2	147	5 x dilution
01589 MW-13	10/13/2021	0.69	0.97	0.61	0.68	0.84	1.3	0.64	104	0.62	144	53.6	72.8	5.3	6.5	58.8	2 x dilution
01589 MW-14	10/13/2021	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-15	10/13/2021	3.4	4.8	3	3.4	4.2	6.4	3.2	519	31	722	268	364	27	32	294	10 x dilution
01589 MW-16	10/13/2021	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-17	10/13/2021	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-18	10/13/2021	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-19	10/13/2021	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-20	10/13/2021	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	

Units = ug/L

*< = Not detected above the laboratory reporting limit

NT = not tested for this parameter

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

Table 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	
Method Sensitivity																
Sensitivity Limits (GW - ug/L)		<5	<5	<5	<5	<10	<5	<5	<100	<10	<1,000	<100	<100	<10	<100	<100
01589 MW-21	10/14/2021	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	10/14/2021	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	10/14/2021	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	10/15/2021	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	10/15/2021	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	10/14/2021	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	10/14/2021	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	10/15/2021	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	10/14/2021	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	10/14/2021	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	10/15/2021	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	10/13/2021	0.69	0.97	0.61	0.68	0.84	1.3	0.64	104	0.62	144	53.6	72.8	5.3	6.5	58.8
01589 MW-33	10/13/2021	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
01589 MW-34	10/15/2021	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	10/14/2021	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	10/14/2021	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	10/14/2021	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	10/14/2021	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	10/13/2021	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 DMW-2	10/14/2021	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	10/15/2021	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	10/15/2021	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	10/15/2021	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-2	10/13/2021	3,450	4,850	3,040	3,380	4,220	6,450	3,220	519,000	3,080	722,000	268,000	364,000	26,600	32,400	294,000
01589 RW-3	10/13/2021	43.1	60	38	42.2	52.8	80.6	40.2	6,490	38.5	9,020	3,350	5	332	405	3,680
01589 RW-4	10/13/2021	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 RW-8	10/14/2021	6.9	9.7	6.1	6.8	8.4	12.9	6.4	1,040	6.2	1,440	536	728	53.2	64.8	588
01589 RW-12	10/15/2021	6.9	9.7	6.1	6.8	8.4	12.9	6.4	1,040	6.2	1,440	536	728	53.2	64.8	588

Units = ug/L

< = Not detected above the laboratory reporting limit

NT = not tested for this parameter

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

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							Comments / Notes	
		Benzene	Toluene	Ethylbenzene	Total Xylenes (1)	MTBE	Naphthalene	1,2 - Dichloroethane (DCA)	ethyl tert-Butyl alcohol	Di isopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl ethyl ether	ethyl tert-Butyl ether		tert-Butyl formate
Precision Analysis																	
Precision Limit (RPD %)		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	no detections
01589 WSW-13	10/15/21 @ 1548	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
DUP 1	10/15/21 @ 1550	<0.50	<0.50	<0.50	<1	<20.0	<0.50	<20.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
RPD (%)		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bias Analysis																	
01589 WSW-FB	10/15/2021	<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		<0.50	<0.50	0.34	<0.50	<0.50	<1.0	<1.0	--	--	--	--	--	--	--	--	no errors indicated
Method Sensitivity																	
Sensitivity Limits (GW - µg/L)		5.0	5.0	5.0	10.0	5.0	5.0	5.0	100	10.0	1,000	100	100	10.0	100	100	
01589 WSW-12	10/15/2021	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	10/15/2021	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	10/14/2021	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
Method Sensitivity																	
Sensitivity Limits (GW - µg/L)		5.0	5.0	5.0	10.0	5.0	5.0	5.0	100	10.0	1,000	100	100	10.0	100	100	
01589 SW-1	10/14/2021	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-2	10/12/2021	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	10/12/2021	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-4	10/12/2021	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	10/12/2021	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	10/14/2021	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	10/14/2021	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	10/14/2021	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
2nd 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 > SSSL Mass	Subsequent Concentration > SSSL 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 > SSSL	17,694	39,076	1,421	0	1,799	0	0	0	0	0	0	-----	59,990.00	-----
	10/13/21	Subsequent	14,600	19,600	1,240	3,350	468	157	9,120	0	0	0	0	48,535.00	-----	-----
		SSTL	6	1,324	869	11,400	51	28	295	1,526	21,596	57	37,152.00	-----	-----	
		Subsequent > SSSL	14,594	18,276	371	0	417	129	8,825	0	0	0	0	-----	-----	42,612.00
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 > SSSL	9,995	20,456	915	0	514	210	15,936	0	0	0	0	-----	48,026.00	-----
	10/13/21	Subsequent	8,260	17,400	1,030	7,340	431	188	18,900	0	0	0	0	53,549.00	-----	-----
		SSTL	5	1,144	775	9,250	45	26	264	1,453	14,610	51	27,623.00	-----	-----	
		Subsequent > SSSL	8,255	16,256	255	0	386	162	18,636	0	0	0	0	-----	-----	43,950.00
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 > SSSL	0	0	0	0	0	0	0	0	0	0	0	-----	0.000	-----
	10/13/21	Subsequent	61.3	1.7	0.78	17.5	0.89	0	115	0	0	0	0	197.17	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Subsequent > SSSL	56	0	0	8	0	0	15	0	0	0	0	-----	-----	78.800
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 > SSSL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	10/13/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Subsequent > SSSL	0	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 > SSSL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	10/13/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Subsequent > SSSL	0	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 SSSL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	0.00	-----	-----
		Initial > SSSL												0.00	-----	-----
	5/13/21	Subsequent	16,400	28,900	2,190	8,920	1,990	272	5,410	42,200	0	0	0	106,282.00	-----	-----
		SSTL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	No SSSL	0.00	-----	-----
		Subsequent > SSSL												-----	-----	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 > SSSL	9,189	25,600	0	0	0	204	0	0	0	0	0	-----	34,993.00	-----
	10/14/21	Subsequent	1,340	2,810	592	3,160	0	118	1,830	0	0	0	0	9,850.00	-----	-----
		SSTL	21	8,500	2,390	12,700	200	67	1,247	3,356	40,000	222	68,703.00	-----	-----	
		Subsequent > SSSL	1,319	0	0	0	0	51	583	0	0	0	0	-----	-----	1,953.00
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 > SSSL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Subsequent > SSSL	0	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 > SSSL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00	-----
	10/14/21	Subsequent	0	0	0	0	2.1	0	0	0	0	0	0	2.10	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	-----	-----	0.00

Table 11
Calculation of COC Reduction
2nd 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 > SSSL Mass	Subsequent Concentration > SSSL Mass	
01589 MW-10	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-11	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-12	Initial	Initial	410	12.7	46.5	24.5	9.8	9.1	1,370	0	0	25.9	1,908.50	----	----	
		SSTL	7	13	47	25	10	9	382	250	1,000	26	1,769.00	----	----	
		Initial > SSTL	403	0	0	0	0	0	988	0	0	0	0	1,391.10	----	----
	10/13/21	Subsequent	700	20.1	127	16.9	7.2	9.1	352	0	0	0	1,232.30	----	----	
		SSTL	7	13	47	25	10	9	382	250	1,000	26	1,769.00	----	----	
		Subsequent > SSTL	693	7	80	0	0	0	0	0	0	0	0	0.00	----	780.20
01589 MW-13	Initial	Initial	31.2	19.5	490	1,630	0	164	0	0	0	0	2,334.70	----	----	
		SSTL	7	20	490	1,630	5	30	334	500	1,000	100	4,116.00	----	----	
		Initial > SSTL	24	0	0	0	0	134	0	0	0	0	0	158.20	----	----
	10/13/21	Subsequent	30.9	1.5	113	93	0.0	45.7	0	0	0	0	284.10	----	----	
		SSTL	7	20	490	1,630	5	30	334	500	1,000	100	4,116.00	----	----	
		Subsequent > SSTL	24	0	0	0	0	16	0	0	0	0	0	0.00	----	39.60
01589 MW-14	Initial	Initial	0	0	0	0	0	4.1	0	0	0	0	4.10	----	----	
		SSTL	5	5	5	10	5	4	100	100	1,000	100	1,334.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.10	----	----
	10/13/21	Subsequent	0	0	0	0.0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	4	100	100	1,000	100	1,334.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-15	Initial	Initial	2,840	7,910	982	4,850	0	120	6,950	0	0	0	23,652.00	----	----	
		SSTL	7	1,534	870	4,850	50	29	382	1,758	10,000	73	19,553.00	----	----	
		Initial > SSTL	2,833	6,376	112	0	0	91	6,568	0	0	0	0	15,980.00	----	----
	10/13/21	Subsequent	1,110	1,000	280	1,210	4.3	35.7	0	0	0	0	3,640.00	----	----	
		SSTL	7	1,534	870	4,850	50	29	382	1,758	10,000	73	19,553.00	----	----	
		Subsequent > SSTL	1,103	0	0	0	0	7	0	0	0	0	0	0.00	----	1,109.70
01589 MW-16	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.0	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/13/21	Subsequent	0	0.00	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	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	0.000	----	----
	10/13/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00

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Circle K 2720886
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Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSSL Mass	Subsequent Concentration > SSSL Mass	
01589 MW-18	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.0	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.000	----	----
	10/13/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-19	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/13/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-20	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.000	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-21	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-22	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-23	Initial	Initial	0	0	0	0	1.8	0	0	0	0	0	0	1.80	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0.0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-24	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/15/21	Subsequent	0	0	0	0	1.0	0	0	0	0	0	0	1.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-25	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/15/21	Subsequent	0	0	0	0	1.1	0	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	----	0.00	

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Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSTL Mass	Subsequent Concentration > SSTL Mass	
01589 MW-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	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-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	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-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	0.00	----	----
	10/15/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-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	0.40	----	----
	10/14/21	Subsequent	1.7	0	2	0	20.4	0	188	56	0	7.4	275	----	----	
		SSTL	5	5	5	10	7	5	100	100	1,000	100	1,337.00	----	----	
		Subsequent > SSTL	0	0	0	0	13	0	88	0	0	0	0	0.00	----	101.40
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	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-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	0.00	----	----
	10/15/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-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	0	293.80	----	----
	10/13/21	Subsequent	366	1.5	4.4	13.6	8.5	0	655	137	0	10.7	1,186	----	----	
		SSTL	13	9	10	17	11	2	284	200	1,000	100	1,646.00	----	----	
		Subsequent > SSTL	353	0	0	0	0	0	371	0	0	0	0	0.00	----	724.00
01589 MW-33	Initial	Initial	4,180	13,200	1,760	8,670	57.5	356	0	0	0	0	27,867.50	----	----	
		SSTL	6	1,205	759	11,013	57	26	265	1,795	25,000	56	40,182.00	----	----	
		Initial > SSTL	4,174	11,995	1,001	0	1	330	0	0	0	0	0	17,500.50	----	----
	10/13/2021	Subsequent	7,020	24,600	2,090	15,600	140	373	0	0	0	0	49,823	----	----	
		SSTL	6	1,205	759	11,013	57	26	265	1,795	25,000	56	40,182.00	----	----	
		Subsequent > SSTL	7,014	23,395	1,331	4,587	83	347	0	0	0	0	0	0.00	----	36,757.00

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01589 MW-34	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/15/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 MW-35	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 MW-36	Initial	Initial	14.5	102	113	223	0	12.9	148	0	0	0	613.40	----	----	
		SSTL	6	102	113	223	5	13	148	100	1,000	100	1,810.00	----	----	
		Initial > SSSL	9	0	0	0	0	0	0	0	0	0	0	8.50	----	----
	10/14/21	Subsequent	0.37	0	1	0	0	0.73	120	0	0	0	122	----	----	
		SSTL	6	102	113	223	5	13	148	100	1,000	100	1,810.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 MW-37	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/14/21	Subsequent	0.0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 MW-38	Initial	Initial	73.6	0	0	0	11.2	0	138	0	0	0	222.80	----	----	
		SSTL	74	5	5	2	11	5	138	100	1,000	100	1,440.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.20	----	----
	10/14/21	Subsequent	4.8	0	0	0	25.4	0	86.7	143	0	8.8	269	----	----	
		SSTL	74	5	5	2	11	5	138	100	1,000	100	1,440.00	----	----	
		Subsequent > SSSL	0	0	0	0	14	0	0	43	0	0	0	0	57.40	----
01589 DMW-1	Initial	Initial	7.1	1.1	1.1	0	0	0	0	0	0	0	9.30	----	----	
		SSTL	7	6	6	10	5	5	100	100	1,000	100	1,339.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.10	----	----
	10/14/21	Subsequent	0.76	0	0	0	0.43	0	0	0	0	0	1	----	----	
		SSTL	7	6	6	10	5	5	100	100	1,000	100	1,339.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 DMW-2	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 DMW-3	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/15/21	Subsequent	0.48	0	0	0	1.6	0	0	0	0	0	2	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----
01589 DMW-4	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSSL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/15/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSSL	0	0	0	0	0	0	0	0	0	0	0	0	0.00	----

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Ravenel, Charleston County, South Carolina
UST Permit # 01589

Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSTL Mass	Subsequent Concentration > SSTL Mass	
01589 DMW-5	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	10/15/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 RW04	Initial	Initial	3.3	0	0	0	1.4	0	0	0	0	0	4.70	-----	-----	
		SSTL	3	5	5	10	5	5	100	100	1,000	100	1,333.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.30	-----	-----
	10/13/21	Subsequent	0.8	0	0	0	0	0	0	0	0	0	0	1	-----	-----
		SSTL	3	5	5	10	5	5	100	100	1,000	100	1,333.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 RW12	Initial	Initial	4,360	6,410	556	5,080	236	170	5,030	0	0	0	21,842.00	-----	-----	
		SSTL	5	1,144	556	5,080	45	26	264	1,453	10,000	51	18,624.00	-----	-----	
		Initial > SSTL	4,355	5,266	0	0	191	144	4,766	0	0	0	0	9,956.00	-----	-----
	10/15/21	Subsequent	2,040	2,390	241	2,160	77.3	61	2,940	0	0	0	9,909	-----	-----	
		SSTL	5	1,144	556	5,080	45	26	264	1,453	10,000	51	18,624.00	-----	-----	
		Subsequent > SSTL	2,035	1,246	0	0	32	35	2,676	0	0	0	0	0	-----	6,024.30
01589 WSW12	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	10/15/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 WSW13	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	10/15/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 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	0.00	-----	-----
	10/14/21	Subsequent	NS	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	N/A	0	-----	0.00
01589 WSW16	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 SW01	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	-----	0.00

Table 11
Calculation of COC Reduction
2nd 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 > SSSL Mass	Subsequent Concentration > SSSL Mass	
01589 SW02	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/12/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	----	0.00
01589 SW03	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/12/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	----	0.00
01589 SW04	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	750	34	380	5	8	100	100	1,000	100	2,482.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/12/21	Subsequent	0	0	0	1.4	0	0	0	0	0	0	0	1	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	----	0.00
01589 SW05	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/12/21	Subsequent	NS	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	N/A	0	----	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	0.30	----	----
	10/12/21	Subsequent	0	0	0	0.0	0	0	0	0	0	0	0	0	----	----
		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	0	----	0.00
01589 SW07	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	----	0.00
01589 SW08	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	----	0.00
01589 SW09	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	10/14/21	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	----	0.00

All concentrations reported in micrograms per liter

SSTL = Site-Specific Target Level.

COC Concentration Reduction = $\frac{\text{Total Initial} > \text{SSTL} - \text{Total Subsequent} > \text{SSTL}}{\text{Total Initial} > \text{SSTL}} \times 100\%$

Total Initial > SSTL

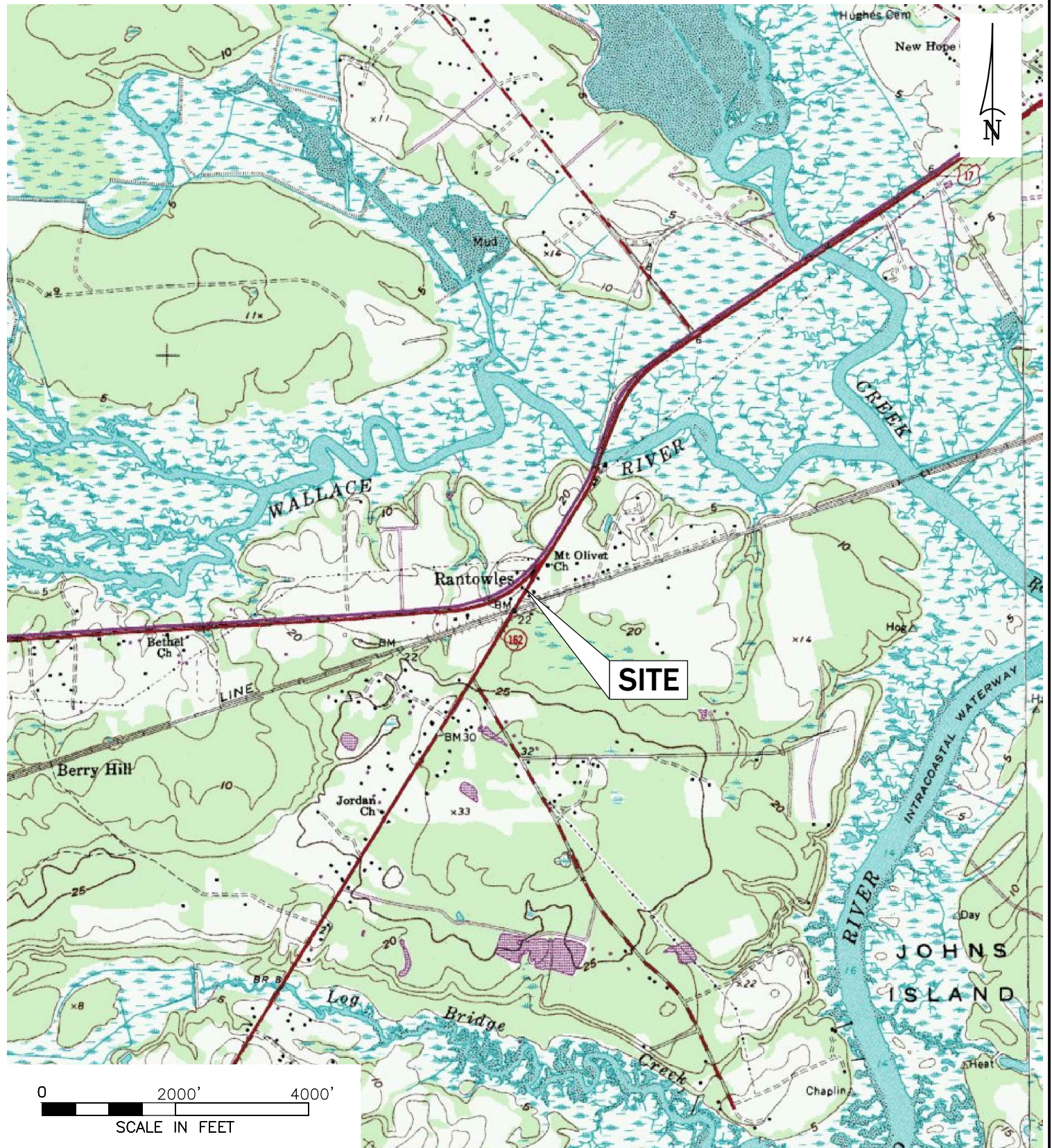
For values less than the reporting limit, the reporting limit value was used.

188,298.50

91,575.40

51.37%

FIGURES



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

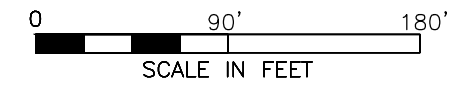
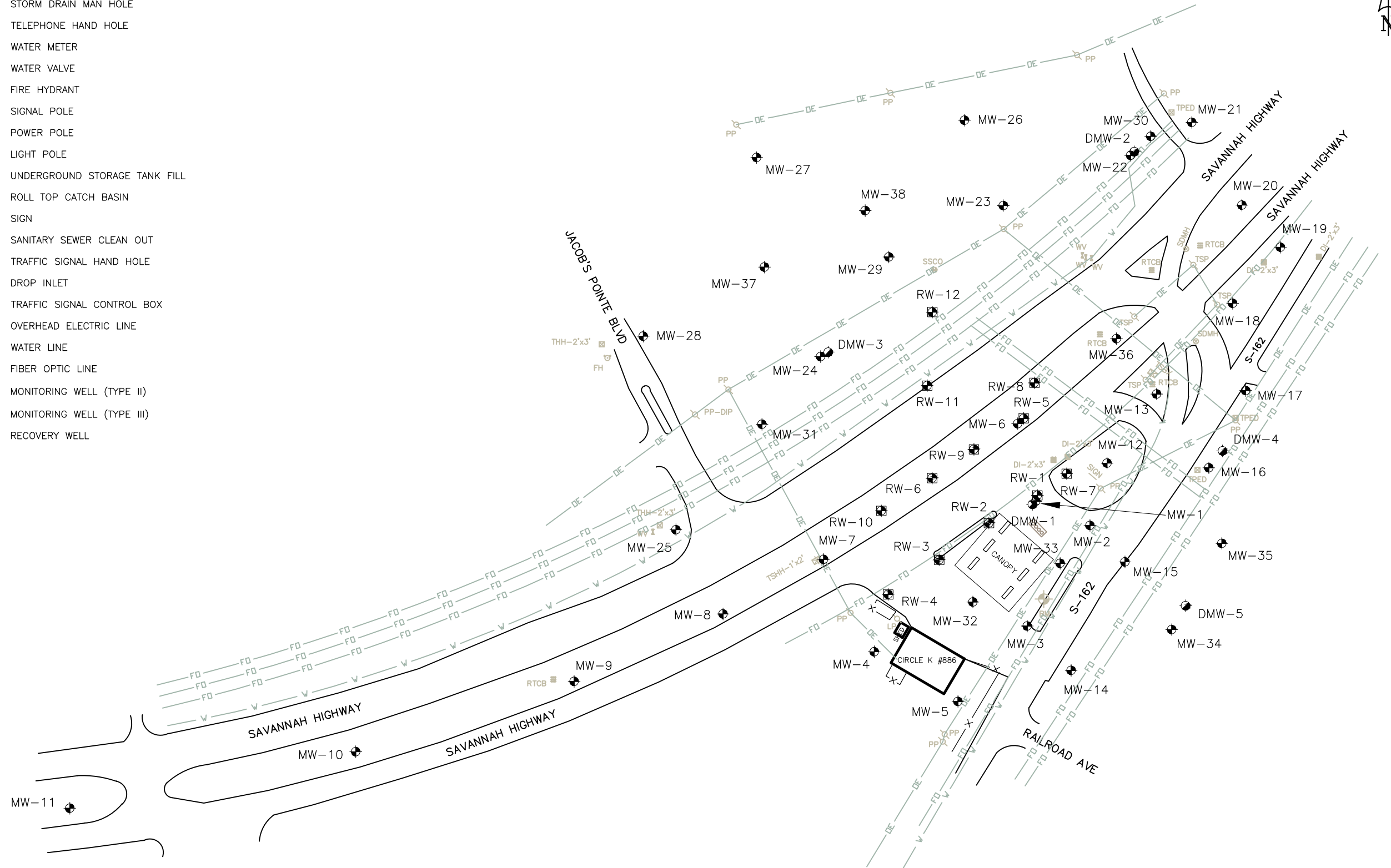
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CAD FILE 1252215.dwg	PREP. BY BH	REV. BY	SCALE 1"=2000' /	DATE 11/10/2021	PROJECT NO. 25788612
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- BENCHMARK
- TELEPHONE PEDESTAL
- STORM DRAIN MAN HOLE
- TELEPHONE HAND HOLE
- WATER METER
- WATER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









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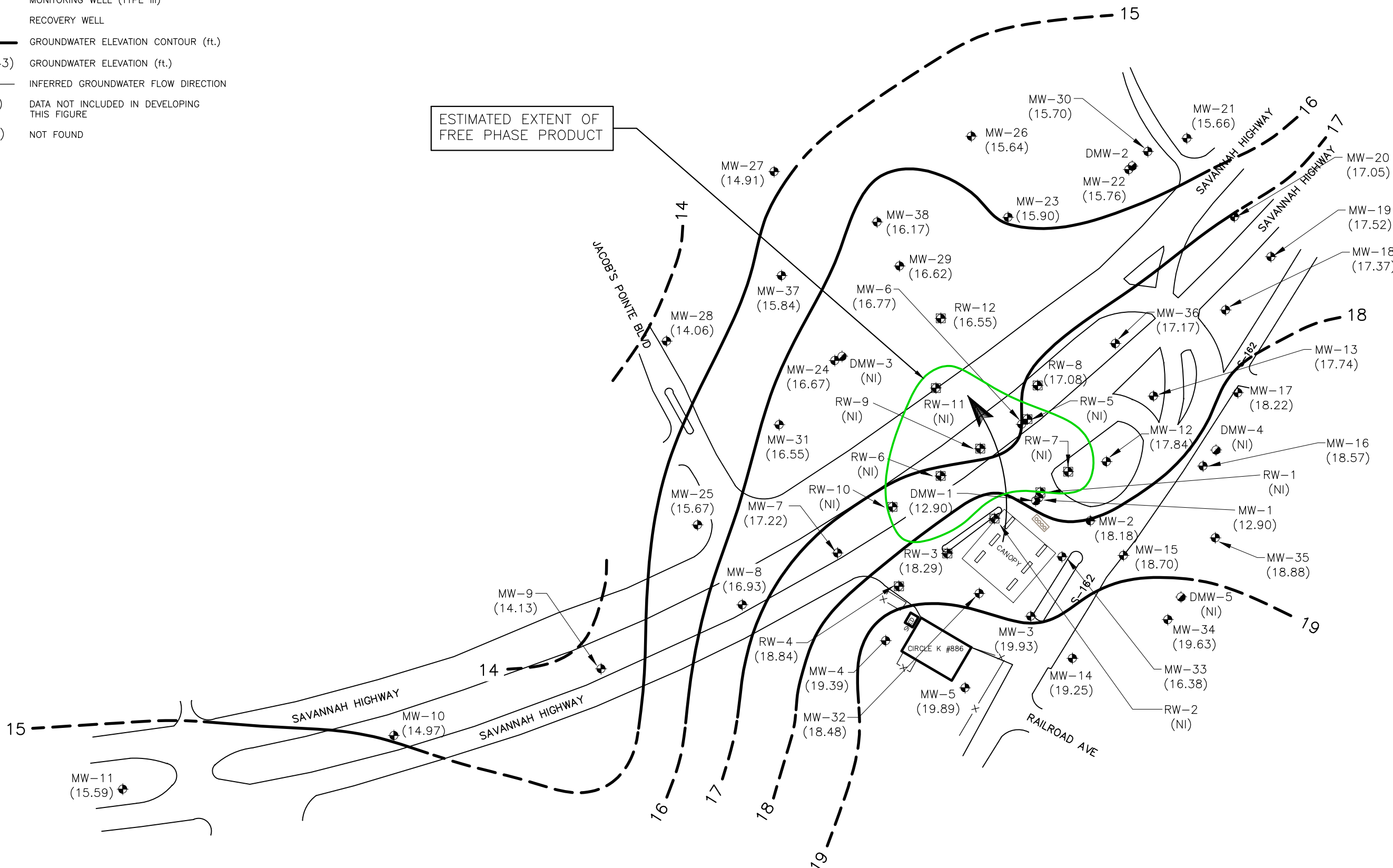
PROJECT NO. 257CK88612

TITLE FIGURE 2 UST PERMIT #01589	
SITE MAP WITH MONITORING & RECOVERY WELL NETWORK	
CIRCLE K #2720886	
4315 SAVANNAH HIGHWAY	
RAVENEL, SOUTH CAROLINA	
CAD FILE 1252215.dwg	TYPE CODE
PREP. BY BH	REV. BY
SCALE 1"=90'	DATE 11/10/2021
PROJECT NO. 257CK88612	

NOTES:

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

ESTIMATED EXTENT OF FREE PHASE PRODUCT










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

CAD FILE	TYPE CODE	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1252215.dwg		BH		1"=90'	11/10/2021	257CK88612

NOTES:
 1. GROUNDWATER ELEVATIONS WERE MEASURED ON 10/13-10/15/2021.

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

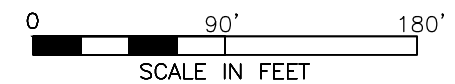
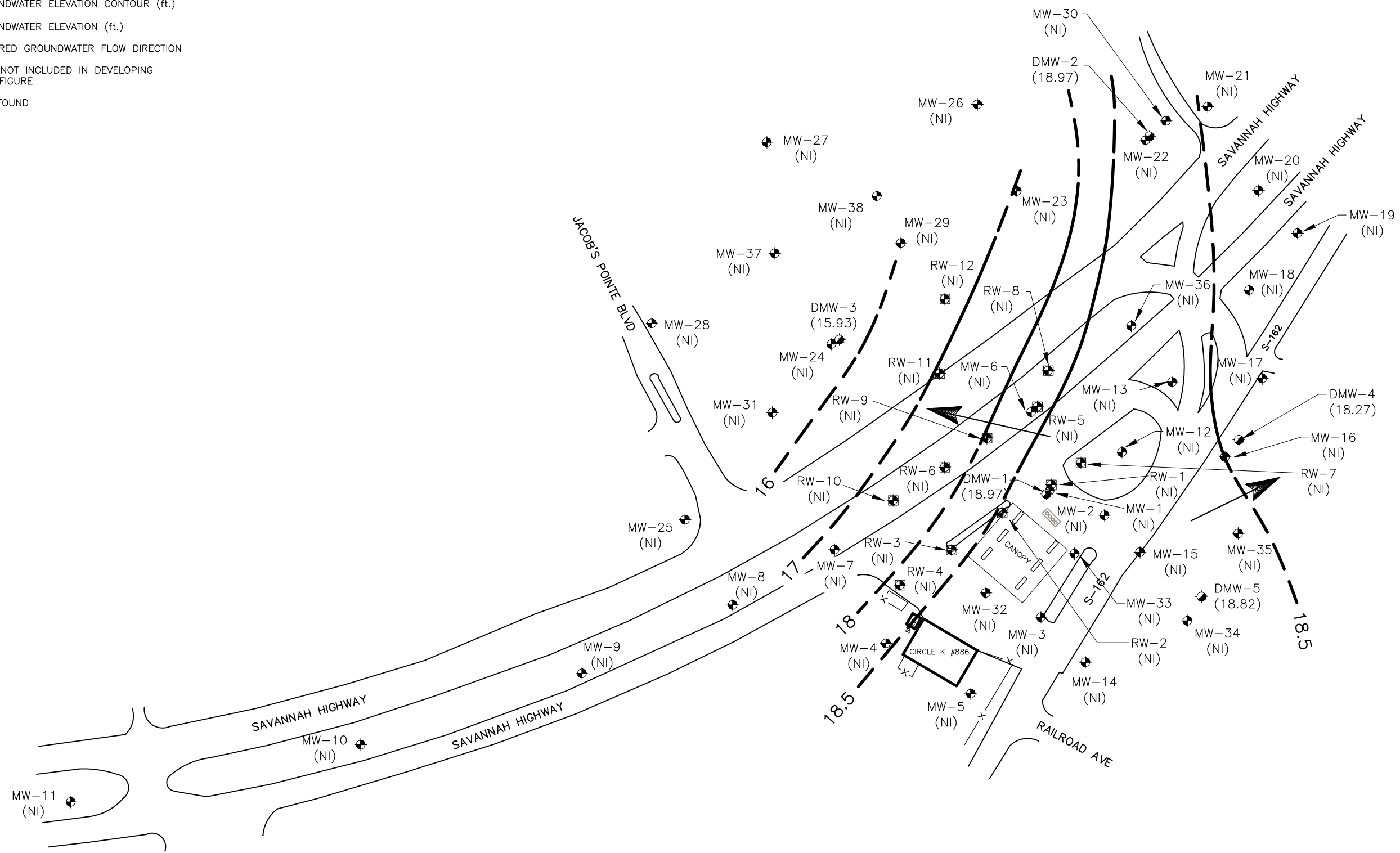


FIGURE 4
 POTENTIOMETRIC SURFACE MAP - DEEP WELLS
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

NOTES:
 1. GROUNDWATER ELEVATIONS WERE MEASURED ON 10/13-10-15/2021.



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SCALE	1"=90'	DATE	11/10/2021	PROJECT NO.	257CK88612		

- 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 BENZENE >10000 ug/L
- DISSOLVED BENZENE 100-10000 ug/L
- DISSOLVED BENZENE 1-100 ug/L

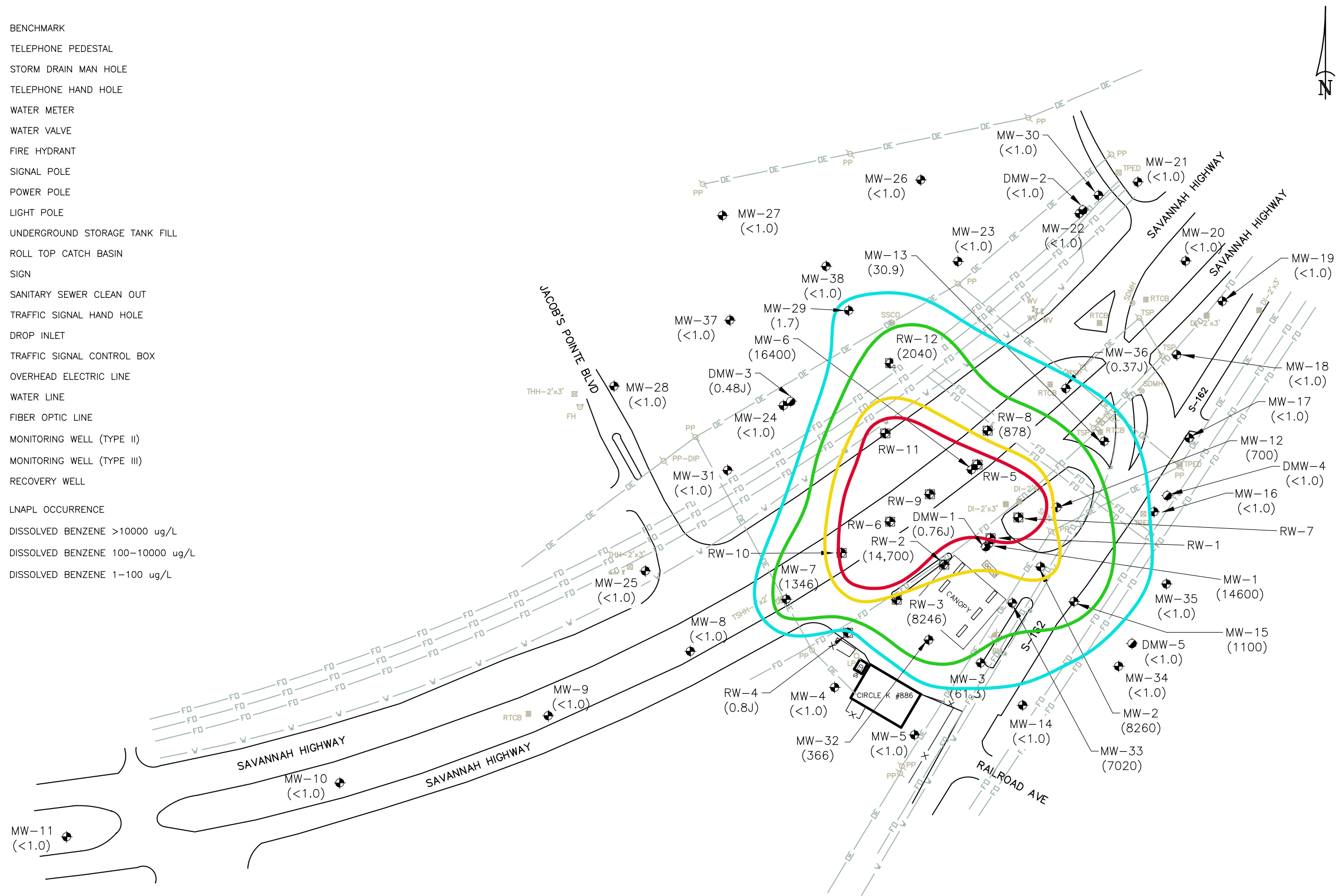


FIGURE 5
 BENEZENE ISOPLETH MAP FOR GROUNDWATER - OCTOBER 2021
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

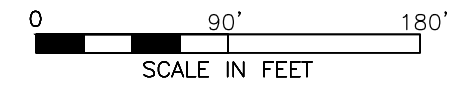
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NOTES:



- 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



FIGURE 6
 TOLUENE ISOPLETH MAP FOR GROUNDWATER - OCTOBER 2021
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

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CAD FILE	1252215.dwg	PREP. BY	BH	REV. BY		SCALE	1"=90'	DATE	11/10/2021	PROJECT NO.	257CK88612
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NOTES:

- 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

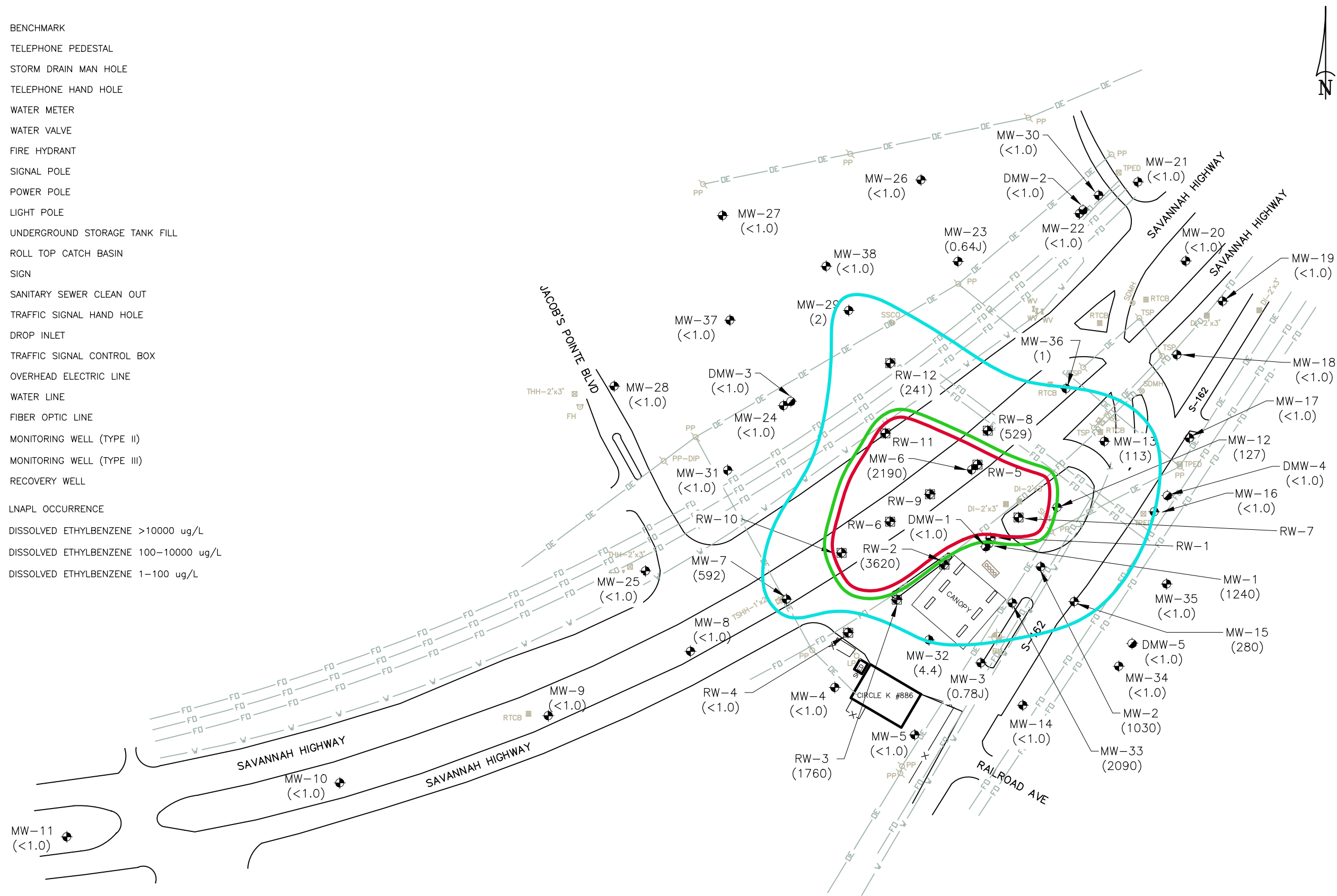


FIGURE 7
 ETHYLBENZENE ISOPLETH MAP FOR GROUNDWATER - OCTOBER 2021
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

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UST PERMIT #01589

CAD FILE 1252215.dwg

TYPE CODE

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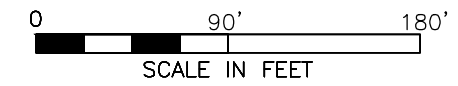
REV. BY

SCALE 1"=90'

DATE 11/10/2021

PROJECT NO. 257CK88612

NOTES:



- 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 XYLENES >10000 ug/L
- DISSOLVED XYLENES 100-10000 ug/L
- DISSOLVED XYLENES 1-100 ug/L

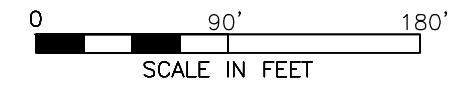
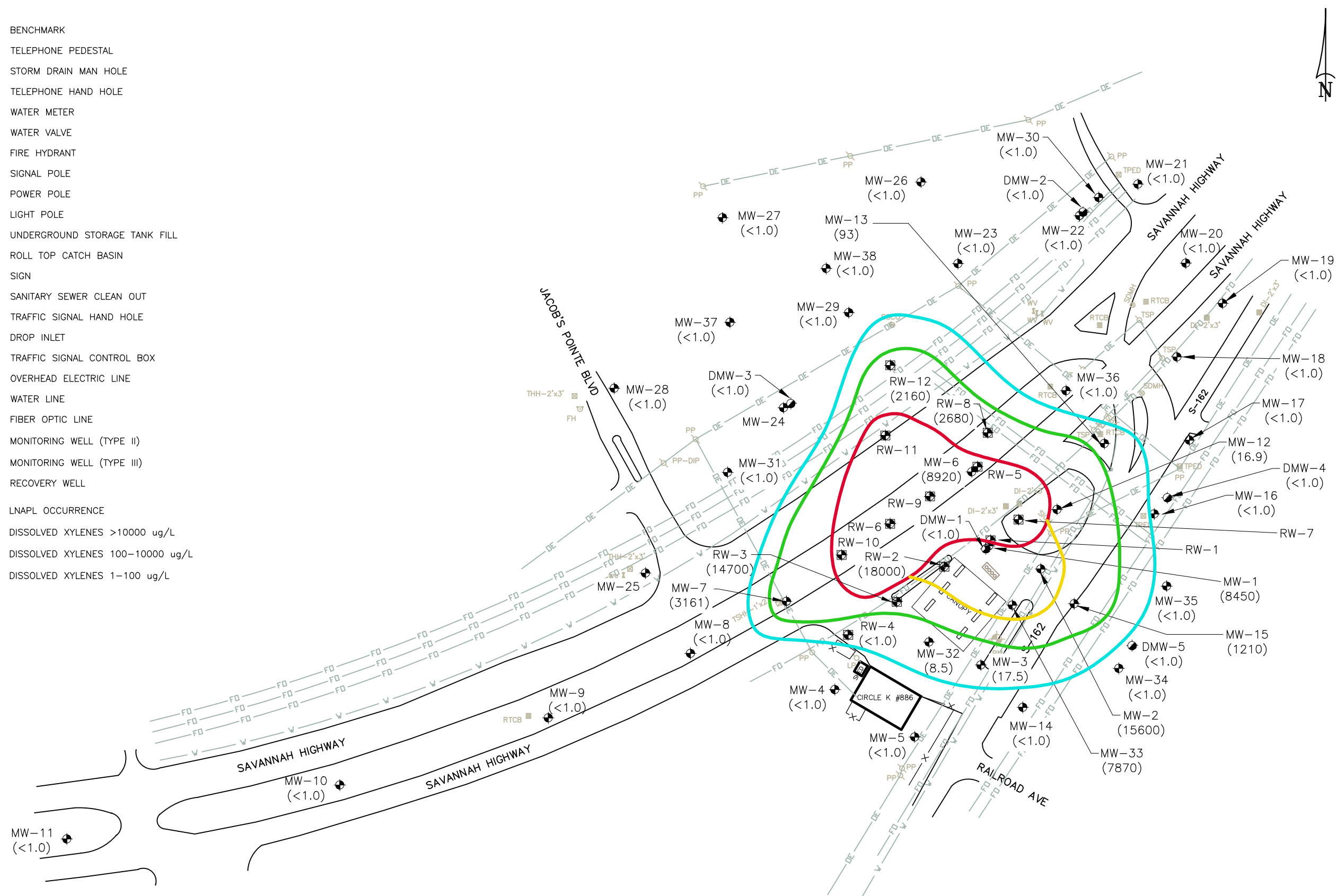


FIGURE 8
 XYLENES ISOPLETH MAP FOR GROUNDWATER - OCTOBER 2021
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

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

UST PERMIT #01589

CAD FILE 1252215.dwg

TYPE CODE

PREP. BY BH

REV. BY

SCALE 1"=90'

DATE 11/10/2021

PROJECT NO. 257CK88612

NOTES:

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

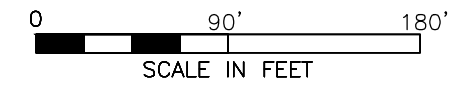
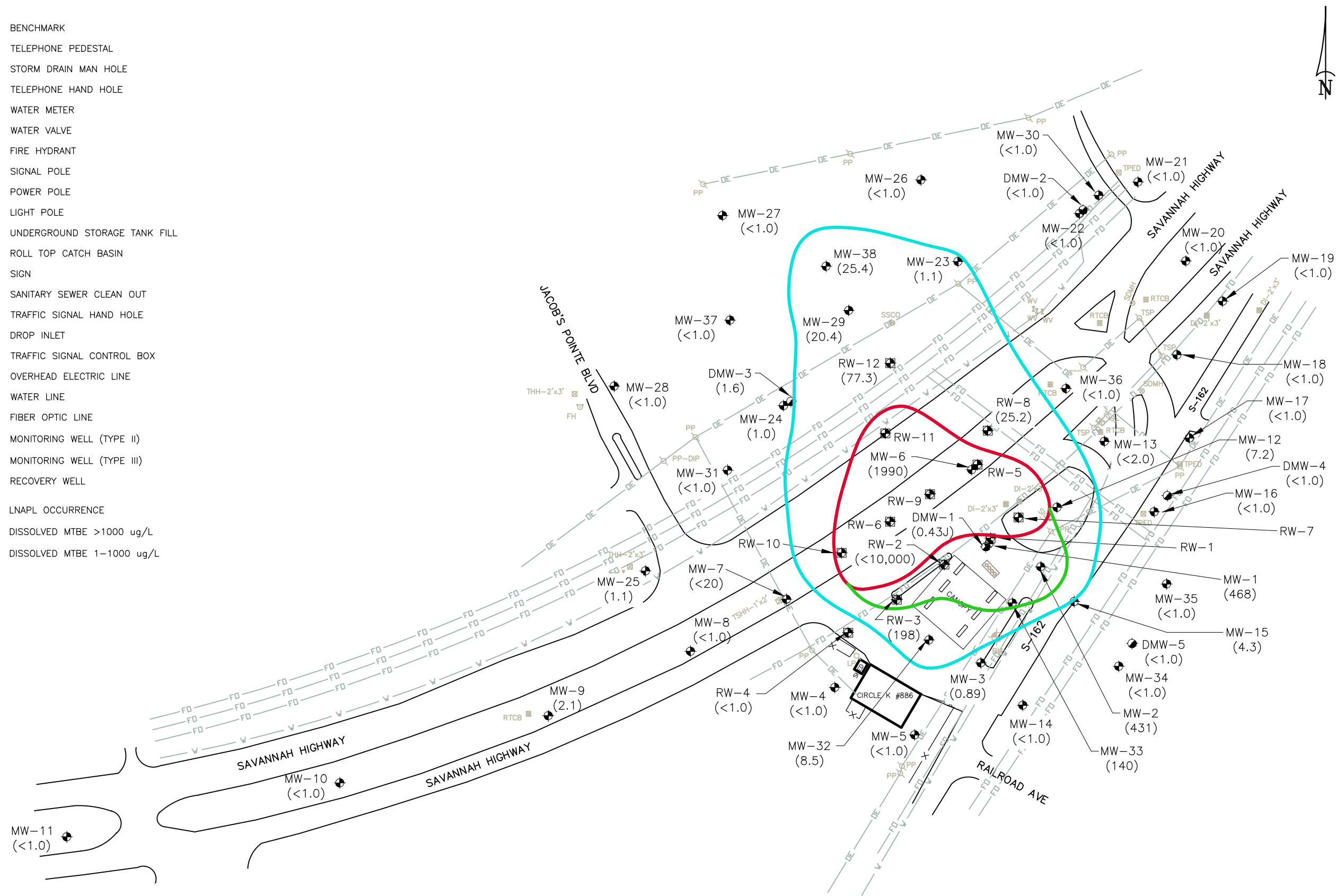


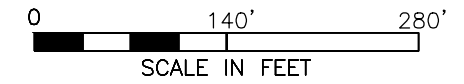
FIGURE 9
 MTBE ISOPLETH MAP FOR GROUNDWATER - OCTOBER 2021
 CIRCLE K #2720886
 4315 SAVANNAH HIGHWAY
 RAVENEL, SOUTH CAROLINA

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

UST PERMIT #01589

CAD FILE	TYPE CODE	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
1252215.dwg		BH		1"=90'	11/10/2021	257CK88612

NOTES:



SW-3 ug/L SURFACE WATER 10/12/21	
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 10/14/21	
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 10/14/21	
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

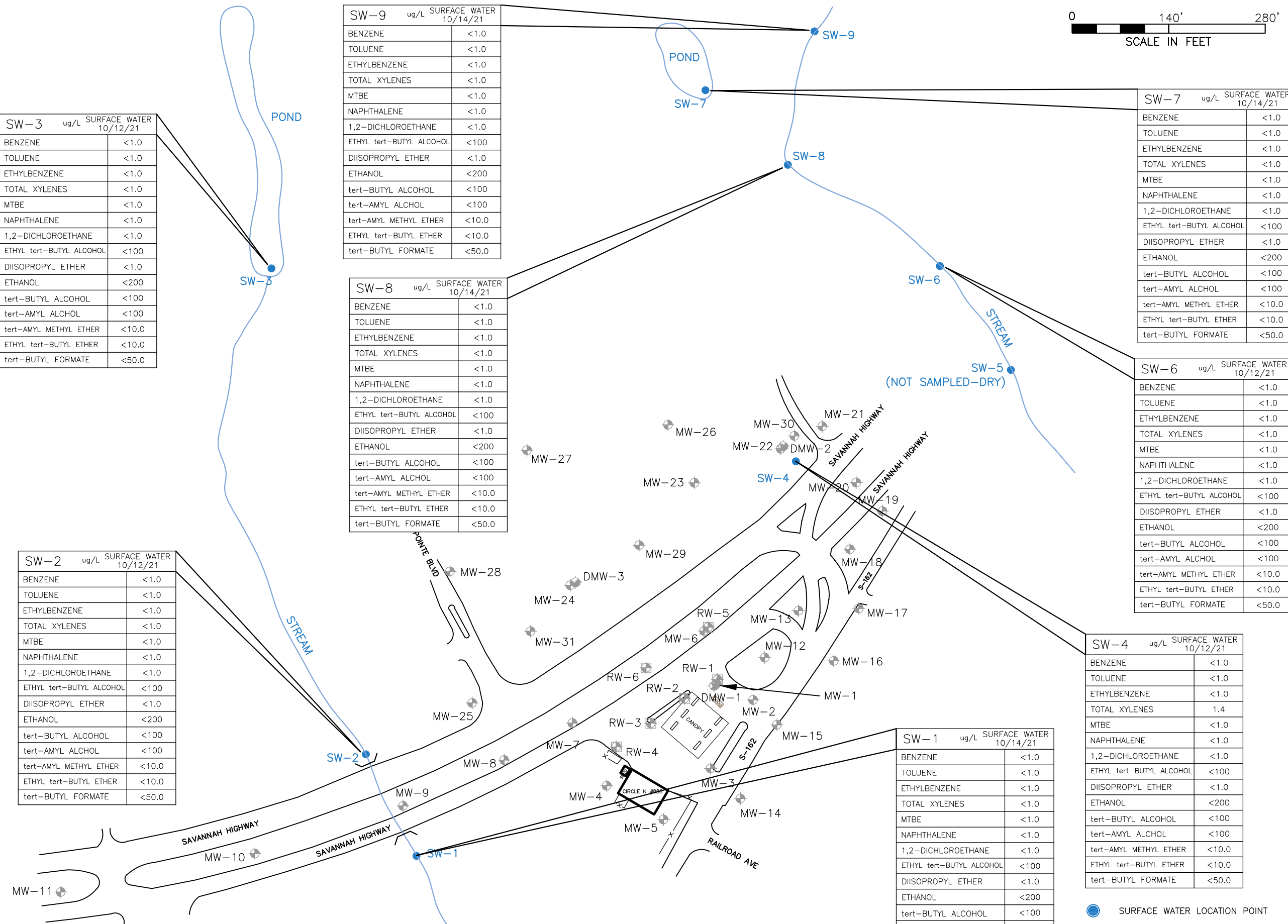
SW-7 ug/L SURFACE WATER 10/14/21	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-6 ug/L SURFACE WATER 10/12/21	
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-2 ug/L SURFACE WATER 10/12/21	
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-4 ug/L SURFACE WATER 10/12/21	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	1.4
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-1 ug/L SURFACE WATER 10/14/21	
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



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

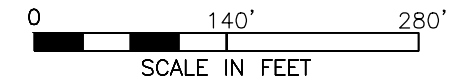
FIGURE 11

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

NOTES:

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

PROJECT NO. 257CK88612
 DATE 11/10/2021
 SCALE 1"=140'
 REV. BY BH
 PREP. BY BH
 TYPE CODE 1252215.dwg



WSW-16 ug/L SURFACE WATER 10/14/21

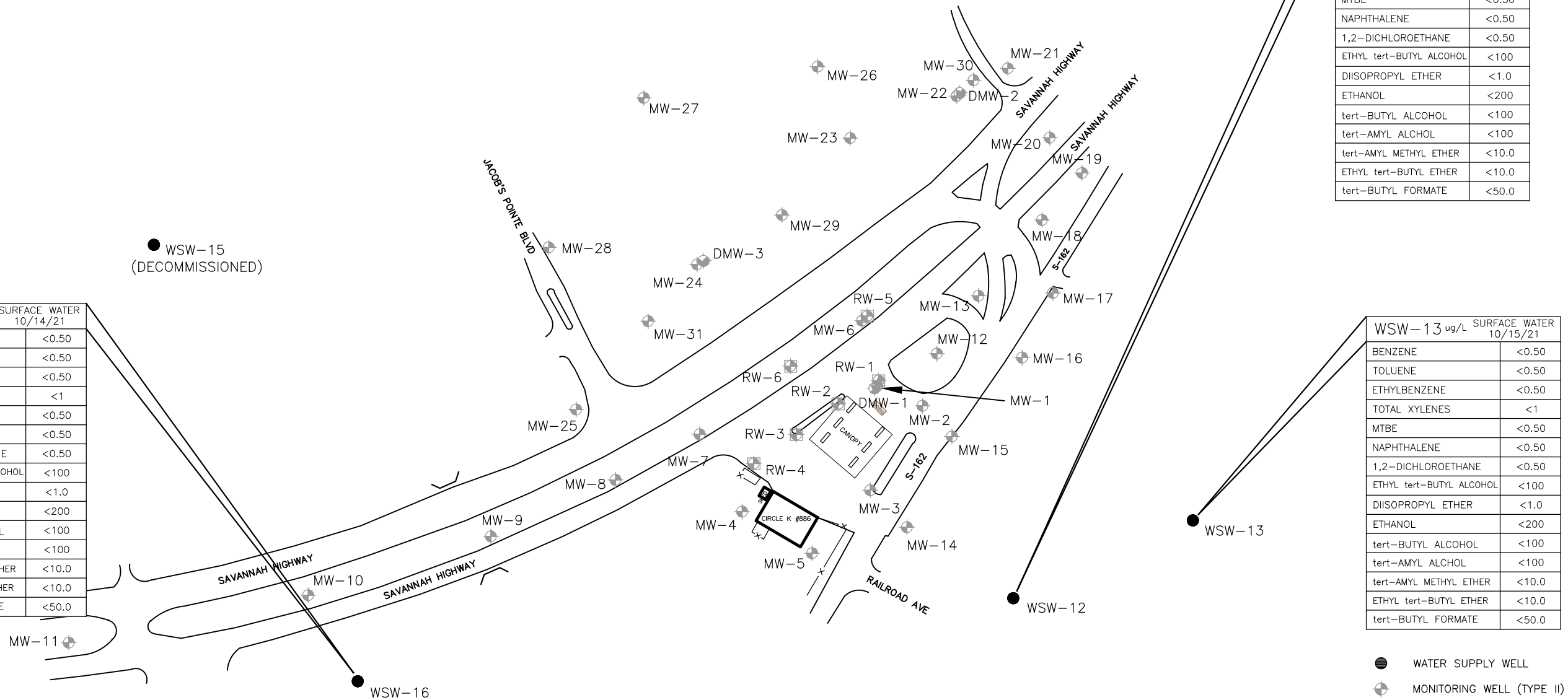
BENZENE	<0.50
TOLUENE	<0.50
ETHYLBENZENE	<0.50
TOTAL XYLENES	<1
MTBE	<0.50
NAPHTHALENE	<0.50
1,2-DICHLOROETHANE	<0.50
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

WSW-12 ug/L SURFACE WATER 10/15/21

BENZENE	<0.50
TOLUENE	<0.50
ETHYLBENZENE	<0.50
TOTAL XYLENES	<1
MTBE	<0.50
NAPHTHALENE	<0.50
1,2-DICHLOROETHANE	<0.50
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

WSW-13 ug/L SURFACE WATER 10/15/21

BENZENE	<0.50
TOLUENE	<0.50
ETHYLBENZENE	<0.50
TOTAL XYLENES	<1
MTBE	<0.50
NAPHTHALENE	<0.50
1,2-DICHLOROETHANE	<0.50
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0



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

FIGURE 12

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

NOTES:

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

CAD FILE	1252215.dwg	TYPE CODE		PREP. BY	BH	REV. BY		SCALE	1"=140'	DATE	11/10/2021	PROJECT NO.	257CK88612
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APPENDIX A

FIELD DATA SHEETS



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/13 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally
 County: Charleston Project Manager: R. Dunn General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:
 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: Bailor Pump
 MW: Private-WSW Public-WSW Other Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.): 12
 Depth to Free Product (DFF) (ft.): n/a Depth to Groundwater (DGW) (ft.): 3.22 Free Product Thickness (ft.): NFP
 Length of water column (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Initial						
Volume Purged (gallons)						
Time (military)	1248					
PH (s.u.)	6.72					
Specific Conductivity (µS/cm)	1580					
Water Temperature (°C)	23.06					
Turbidity (NTU)	55.3					
Dissolved Oxygen (mg/L)	1.51					

Sampling Data

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

Notes: Strong odor

Signature: *[Handwritten Signature]*

GMSK



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/13	Site Name: Circle K # 2720886
Project Manager: R. Dunn	Field Personnel: J. Gray, C. Lally
General Weather Conditions: Ambient Air Temp (°F):	

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
pH 4.0: Y or N	pH 7.0: Y or N
pH 10.0: Y or N	S.C.: Y or N
DO: Y or N	
Turb.: 0.0 NTU: Y or N	1.0 NTU: Y or N
	10.0 NTU: Y or N

Well Information	
Well ID: MW-2	Well Diameter (in): 2
Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.662	Method of Purging/Sample Collection: Bailor Pump
Screened Interval (ft.): 2-12	Total Well Depth (TWD) (ft.):
Depth to Groundwater (DGM) (ft.): 5.41	Free Product Thickness (ft.): NFP
3 casing volume (CV = LWC x Cx3) (gals.):	5 casing volumes (6 x CV) (gals.):

Purging Data					
	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.
Initial					
Volume Purged (gallons)					
Time (military)	11037				
PH (s.u.)	5.38				
Specific Conductivity (µS/cm)	625				
Water Temperature (°C)	22.94				
Turbidity (NTU)	0.71				
Dissolved Oxygen (mg/L)	6.27				

Sampling Data	
Sampled By:	Sampling Time: 11037
Duplicate: Y or N	If yes, Duplicate Time:

Notes: Gams

[Signature]



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/13 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

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

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

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

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

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 4.01 Free Product Thickness (ft.): NFP

Depth to Free Product (DFP) (ft.): n/a 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Initial							
Volume Purged (gallons)							
Time (military)	1438						
PH (s.u.)	5.76						
Specific Conductivity (µS/cm)	1340						
Water Temperature (°C)	27.70						
Turbidity (NTU)	2.2						
Dissolved Oxygen (mg/L)	7.48						

Sampling Data

Sampled By: Sampling Time: 1438 Duplicate: Y or N If yes, Duplicate Time:

Notes: *GOOD*

Signature: *[Handwritten Signature]*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 1/3 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

County: Charleston Project Manager: R. Dunn General Weather Conditions: _____ Ambient Air Temp (°F): _____

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration: _____

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

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

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

Well Information

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

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

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 3.41 Free Product Thickness (ft.): NFP

Depth to Free Product (DFP) (ft.): n/a Length of water column (LWC = TWD - DGW) (ft.): 3 casing volumes (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)							
Time (military)	<u>1348</u>						
PH (s.u.)	<u>6.20</u>						
Specific Conductivity (µS/cm)	<u>3.2</u>						
Water Temperature (°C)	<u>75.69</u>						
Turbidity (NTU)	<u>1.2</u>						
Dissolved Oxygen (mg/L)	<u>1.8</u>						

Sampling Data

Sampled By: _____ Sampling Time: 1348 Duplicate: Y or N If yes, Duplicate Time: _____

Notes: No Pump

Signature: [Handwritten Signature]



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Date: 10/15 **Site ID #:** 01589 **Site Name:** Circle K # 2720886 **Field Personnel:** J. Gray, C. Lally

County: Charleston **Project Manager:** R. Dunn **General Weather Conditions:** **Ambient Air Temp (°F):**

Meter Name: Horiba multimeter **Serial #:** 11E100177 **Calibration:**

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

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

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

Well Information

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

MW **RW** **Other**
Private-WSW **Public-WSW**

Depth to Free Product (DFP) (ft.): n/a **Screened Interval (ft.):** 2-12 **Total Well Depth (TWD) (ft.):** 12

Length of water column (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 3.688 **Free Product Thickness (ft.):** NFP

Purging Data

	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	1330					
PH (s.u.)	6.93					
Specific Conductivity (µS/cm)	167					
Water Temperature (°C)	20.20					
Turbidity (NTU)	19.0					
Dissolved Oxygen (mg/L)	3.05					

Sampling Data

Sampled By: **Sampling Time:** 1330 **Duplicate:** Y or N **If yes, Duplicate Time:**

Notes: 100 ppg

Signature:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: Site ID #: 01589	Site Name: Circle K # 2720886
County: Charleston	Field Personnel: J. Gray, C. Lally
Project Manager: R. Dunn	General Weather Conditions: _____
	Ambient Air Temp (°F): _____

Quality Assurance				
Meter Name: Horiba multimeter	Serial #: 11E100177			
Calibration: _____				
ph, conductivity	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
Dissolved Oxygen (mg/L)	DO: Y or N			
Turbidity (NTU)	Turb.: 0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information			
Well ID: MW-1e	Well Diameter (in): 2	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652	Method of Purging/Sample Collection: Bailer Pump
MW HW Private-WSW Public-WSW Other	Screened Interval (ft.): 2-12	Total Well Depth (TWD) (ft.): 12	
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 2.32	Free Product Thickness (ft.): NFP	32
Length of water column (LWC = TWD - DGW) (ft.): _____	3 casing volume (CV = LWC x Cx3) (gals.): _____	5 casing volumes (6 x CV) (gals.): _____	

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

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

Notes: _____

Signature: _____



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/14	Site Name: Circle K # 2720886
Project Manager: R. Dunn	Field Personnel: J. Gray, C. Lally
County: Charleston	
General Weather Conditions: Ambient Air Temp (°F):	

Quality Assurance		
Meter Name: Horiba multimeter		
Serial #: 11E100177		
Calibration:		
pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N
DO: Y or N	1.0 NTU: Y or N	
Turbidity (NTU)	10.0 NTU: Y or N	

Well Information		
Well ID: MW-7	Well Diameter (in): 2	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
MW RW Other	Screened Interval (ft.): 2-12	
Private-WSW Public-WSW	Total Well Depth (TWD) (ft.): 12	
Depth to Free Product (DFP) (ft.): n/a	Free Product Thickness (ft.): NFP	
Length of water column (LWC = TWD - DCGW) (ft.):	5 casing volumes (6 x CV) (gals.):	

	Purging Data					Sampling
	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	
Volume Purged (gallons)						
Time (military)	015					
PH (s.u.)	5.98					
Specific Conductivity (µS/cm)	227					
Water Temperature (°C)	23.72					
Turbidity (NTU)	1.16					
Dissolved Oxygen (mg/L)	2.03					

Sampled By:	Sampling Time: 2:05	Duplicate: Y or N
-------------	---------------------	-------------------

Notes:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/14 Site ID #: 01589 Site Name: Circle K # 2720686 Field Personnel: J. Gray, C. Lally

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

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

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

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

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 237 Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post Sampling
Volume Purged (gallons)						
Time (military)	0759					
PH (s.u.)	5.267					
Specific Conductivity (µS/cm)	150					
Water Temperature (°C)	23.44					
Turbidity (NTU)	5.9					
Dissolved Oxygen (mg/L)	0.18					

Sampling Data

Sampled By: Sampling Time: 0759 Duplicate: Y or N (N) If yes, Duplicate Time:

Notes: No purg

Signature:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/14	Site Name: Circle K # 2720886
Project Manager: R. Dunn	Field Personnel: J. Gray, C. Lally
General Weather Conditions: Ambient Air Temp (°F):	

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
ph, conductivity	pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N
Dissolved Oxygen (mg/L)	DO: Y or N
Turbidity (NTU)	Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information	
Well ID: MW-10	Well Diameter (in): 2
Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652	Method of Purging/Sample Collection: Bailor Pump
MW: HW Private-WSW Other	Screened Interval (ft.): 2-12
Depth to Free Product (DFP) (ft.): n/a	Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD - DGW) (ft.):	5 casing volumes (6 x CV) (gals.):

	Purging Data					Sampling		
	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.		5 th Vol.	Post
Volume Purged (gallons)								
Time (military)	0742							
PH (s.u.)	5.41							
Specific Conductivity (µS/cm)	142							
Water Temperature (°C)	23.57							
Turbidity (NTU)	79.8							
Dissolved Oxygen (mg/L)	1.31							

Sampled By:	Sampling Time: 0742	Duplicate: Y or N	If yes, Duplicate Time:
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Notes: No purg

Signature:



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

Date: 10/14 **Site ID #:** 01589 **Site Name:** Circle K # 2720886 **Field Personnel:** J. Gray, C. Lally

County: Charleston **Project Manager:** R. Dunn **General Weather Conditions:** **Ambient Air Temp (°F):**

Meter Name: Horiba multimeter **Serial #:** 11E100177 **Calibration:**

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

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

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

Well ID: MW-11 **Well Diameter (in):** 2 **Conversion Factor (C):** 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 **Method of Purging/Sample Collection:** Bailor Pump

MW: RW Other **Screened Interval (ft.):** 2-12

Private-WSW **Public-WSW** **Depth to Groundwater (DGW) (ft.):** 2.54

Depth to Free Product (DFP) (ft.): n/a **Free Product Thickness (ft.):** NFP

Length of water column (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	0735					
PH (s.u.)	7.15					
Specific Conductivity (µS/cm)	311					
Water Temperature (°C)	22.58					
Turbidity (NTU)	5.2					
Dissolved Oxygen (mg/L)	5.20					

Sampled By: **Sampling Time:** 0735 **Duplicate:** Y or N **If yes, Duplicate Time:**

Notes: No purg

Signature: *[Handwritten Signature]*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: <u>10/13</u>	Site Name: Circle K # 2720886
Site ID #: 01589	Field Personnel: J. Gray, C. Lally
County: Charleston	Project Manager: R. Dunn
General Weather Conditions: _____ Ambient Air Temp (°F): _____	

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
ph, conductivity	pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N
Dissolved Oxygen (mg/L)	DO: Y or N
Turbidity (NTU)	Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information	
Well ID: <u>WU-12</u>	Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
MW <input checked="" type="checkbox"/> RW <input type="checkbox"/> Other <input type="checkbox"/>	Screened Interval (ft.): _____
Private-WSW <input type="checkbox"/> Public-WSW <input type="checkbox"/>	Total Well Depth (TWD) (ft.): _____
Depth to Free Product (DFP) (ft.): n/a	Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD - DGW) (ft.):	5 casing volumes (6 x CV) (gals.):
3 casing volume (CV = LWC x Cx3) (gals.):	

Purging Data					
	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.
Volume Purged (gallons)					
Time (military)	<u>1417</u>				
PH (s.u.)	<u>6.07</u>				
Specific Conductivity (µS/cm)	<u>700</u>				
Water Temperature (°C)	<u>20.06</u>				
Turbidity (NTU)	<u>4.4</u>				
Dissolved Oxygen (mg/L)	<u>4.39</u>				

Sampling Data	
Sampled By: _____	Sampling Time: <u>1417</u>
Duplicate: Y or N <u>N</u>	
If yes, Duplicate Time: _____	

Notes: _____

6000



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/13	Site Name: Circle K # 2720886
Project Manager: R. Dunn	Field Personnel: J. Gray, C. Lally
General Weather Conditions: Ambient Air Temp (°F):	

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
ph, conductivity	pH 4.0: Y or N
	pH 7.0: Y or N
	pH 10.0: Y or N
	S.C.: Y or N
Dissolved Oxygen (mg/L)	DO: Y or N
Turbidity (NTU)	Turb.: 0.0 NTU: Y or N
	1.0 NTU: Y or N
	10.0 NTU: Y or N

Well Information	
Well ID: MW-14	Well Diameter (in): 2
MW type: <input checked="" type="checkbox"/> RW <input type="checkbox"/> Other	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
Private-WSW <input type="checkbox"/> Public-WSW <input type="checkbox"/>	Method of Purging/Sample Collection: Bailer Pump
Depth to Free Product (DFF) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 4.20
Length of water column (LWC = TWD - DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):
	5 casing volumes (6 x CV) (gals.):
	Screened Interval (ft.): 2-12
	Total Well Depth (TWD) (ft.): 12
	Free Product Thickness (ft.): NFP

	Purging Data				
	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.
Volume Purged (gallons)					
Time (Military)	1500				
PH (s.u.)	6.10				
Specific Conductivity (µS/cm)	925				
Water Temperature (°C)	20.41				
Turbidity (NTU)	2.1				
Dissolved Oxygen (mg/L)	1.0				

Sampling Data	
Sampled By:	Sampling Time: 1500
	Duplicate: Y or N <input type="radio"/> Y <input checked="" type="radio"/> N
	If yes, Duplicate Time:

Notes: No purge

Signature:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/13 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

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

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

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

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

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 4.12 Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	12:15							
PH (s.u.)	6.50							
Specific Conductivity (µS/cm)	151							
Water Temperature (°C)	25.39							
Turbidity (NTU)	4.1							
Dissolved Oxygen (mg/L)	1.90							

Sampling Data

Sampled By: Sampling Time: 5:12 Duplicate: Y or N (N) If yes, Duplicate Time:

Notes: No purge - strong odor - green

Signature: *[Handwritten Signature]*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/15/21	Site Name: Circle K # 2720886
County: Charleston	Field Personnel: J. Gray, C. Lally
Project Manager: R. Dunn	General Weather Conditions: Clear & hot
	Ambient Air Temp (°F): 80.5

Quality Assurance	
Serial #: 11E100177	
Calibration:	
pH 4.0: Y or N	pH 7.0: Y or N
DO: Y or N	pH 10.0: Y or N
Turb.: 0.0 NTU: Y or N	1.0 NTU: Y or N
	10.0 NTU: Y or N

Well Information	
Well ID: MW-112	Well Diameter (in): 2
MW Type: RW	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
Private-WSW	Method of Purging/Sample Collection: Bailer Pump
Public-WSW	Other
Depth to Free Product (DFP) (ft.): n/a	Screened Interval (ft.): 2-12
Length of water column (LWC = TWD - DGW) (ft.):	Free Product Thickness (ft.): NFP
3 casing volume (CV = LWC x Cx3) (gals.):	5 casing volumes (6 x CV) (gals.):
	12

	Purging Data				
	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.
Volume Purged (gallons)					
Time (military)	1436				
PH (s.u.)	5.70				1436
Specific Conductivity (µS/cm)	309				5.70
Water Temperature (°C)	26.48				309
Turbidity (NTU)	0.0				26.48
Dissolved Oxygen (mg/L)	1.39				0.0
					1.39

Sampling Data	
Sampled By:	Sampling Time: 1436
	Duplicate: Y or N (N)
	If yes, Duplicate Time:

Notes: Signature: *[Signature]*

6000



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/15	Site ID #: 01589
County: Charleston	Project Manager: R. Dunn
Site Name: Circle K # 2720886	Field Personnel: J. Gray, C. Lally
General Weather Conditions:	Ambient Air Temp (°F): 80.2

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	pH 4.0: Y or N
ph, conductivity	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: W100-17	Well Diameter (in): 2
	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
MW <input checked="" type="checkbox"/> RW <input type="checkbox"/> Other <input type="checkbox"/>	Screened Interval (ft.): 2-12
Private-WSW <input type="checkbox"/> Public-WSW <input type="checkbox"/>	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD - DGW) (ft.):	5 casing volumes (6 x CV) (gals.):

	Purging Data					Sampling
	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	
Volume Purged (gallons)						
Time (military)	1416					1416
PH (s.u.)	6.48					6.48
Specific Conductivity (µS/cm)	403					405
Water Temperature (°C)	28.21					28.21
Turbidity (NTU)	25.1					25.1
Dissolved Oxygen (mg/L)	0.99					0.99

Sampled By:	Sampling Time: 1416	Duplicate: Y or N	If yes, Duplicate Time:
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Notes: Signature: *Joseph Gray*

CGS



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/13	Site Name: Circle K # 2720886
County: Charleston	Field Personnel: J. Gray, C. Lally
Project Manager: R. Dunn	Ambient Air Temp (°F):
Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
ph, conductivity	pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N
Dissolved Oxygen (mg/L)	DO: Y or N
Turbidity (NTU)	Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information	
Well ID: MW-18	Well Diameter (in): 2
MW: <input checked="" type="checkbox"/> RW: <input type="checkbox"/> Other: <input type="checkbox"/>	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
Private-WSW: <input type="checkbox"/> Public-WSW: <input type="checkbox"/>	Method of Purging/Sample Collection: Bailor Pump
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 2.12
Length of water column (LWC = TWD - DGW) (ft.):	Free Product Thickness (ft.): NFP
	5 casing volumes (6 x CV) (gals.): 5

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

Sampling Data	
Sampled By:	Sampling Time: 0850
	Duplicate: Y or N <input checked="" type="radio"/>
	If yes, Duplicate Time:

Notes: No prod

Signature: *[Handwritten Signature]*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/13 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

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

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

Well ID: MW-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: RW Other: Screened Interval (ft.): 12

Private-WSW Public-WSW

Depth to Free Product (DFP) (ft.): n/a Depth to Groundwater (DGW) (ft.): 2.30 Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	0830							
PH (s.u.)	5.03							
Specific Conductivity (µS/cm)	154							
Water Temperature (°C)	23.83							
Turbidity (NTU)	18.10							
Dissolved Oxygen (mg/L)	7.74							

Sampling Data

Sampled By: Sampling Time: 0830 Duplicate: Y of N If yes, Duplicate Time:

Notes: No pump Signature: [Handwritten Signature]



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/13 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

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

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

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

MW: RW Other: Screened Interval (ft.): 2-12

Private-WSW Public-WSW Depth to Groundwater (DGM) (ft.): 148

Total Well Depth (TWD) (ft.): 12

Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGM) (ft.): 10.52

3 casing volume (CV = LWC x Cx3) (gals.): 1.795 gal

5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)							Sampling
Time (military)	0803	0807					
PH (s.u.)	8.55	5.73					
Specific Conductivity (µS/cm)	43	474					
Water Temperature (°C)	23.78	23.99					
Turbidity (NTU)	0.0	0.0					
Dissolved Oxygen (mg/L)	23.1	30.6					

Sampling Data

Sampled By: Sampling Time: 6807 Duplicate: Y or (N) If yes, Duplicate Time:

Notes: well pumps only 1st vol

Signature: *Coiner*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/14/21 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

County: Charleston Project Manager: R. Dunn General Weather Conditions: Clear / Sunny Ambient Air Temp (°F): 70

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

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

MW: RW Other Screened Interval (ft.): 2-12

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 3.03 Total Well Depth (TWD) (ft.): 12

Depth to Free Product (DFF) (ft.): n/a Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	0921							0921
PH (s.u.)	7.55							7.75
Specific Conductivity (µS/cm)	64							64
Water Temperature (°C)	25.04							25.04
Turbidity (NTU)	61.2							61.2
Dissolved Oxygen (mg/L)	3.50							3.50

Sampling Data

Sampled By: J. Gray Sampling Time: 0927 Duplicate: Y or N If yes, Duplicate Time:

Notes: NO PURGE

Signature: *J. Gray*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/14/27	Site ID #: 01589
County: Charleston	Project Manager: R. Dunn
Field Personnel: J. Gray, C. Lally	Ambient Air Temp (°F):
General Weather Conditions:	

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
ph, conductivity	Calibration:
Dissolved Oxygen (mg/L)	pH 4.0: Y or N
Turbidity (NTU)	DO: Y or N
	Turb.: 0.0 NTU: Y or N
	1.0 NTU: Y or N
	10.0 NTU: Y or N

Well Information	
Well ID: MW-23	Well Diameter (in): 2
MW <input checked="" type="checkbox"/> HW <input type="checkbox"/> Other <input type="checkbox"/>	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
Private-WSW <input type="checkbox"/> Public-WSW <input type="checkbox"/>	Method of Purging/Sample Collection: Bailor Pump
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 6.40
Length of water column (LWC = TWD - DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):
	5 casing volumes (6 x CV) (gals.):
	Screened Interval (ft.): 5-15
	Total Well Depth (TWD) (ft.): 15
	Free Product Thickness (ft.): NFP

	Purging Data					Sampling	
	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.		5 th Vol.
Volume Purged (gallons)							
Time (military)	1052						1052
PH (s.u.)	5.82						5.82
Specific Conductivity (µS/cm)	317						317
Water Temperature (°C)	27.96						27.96
Turbidity (NTU)	272						272
Dissolved Oxygen (mg/L)	0.58						0.58

Sampling Data	
Sampled By: J. Gray	Sampling Time: 1052
Notes: MW-23	Duplicate: Y or N (N)
	If yes, Duplicate Time:

Signature: *J. Gray*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 16/15/21	Site ID #: 01589
County: Charleston	Project Manager: R. Dunn
Site Name: Circle K # 2720886	Field Personnel: J. Gray, C. Lally
General Weather Conditions:	Ambient Air Temp (°F):

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
ph, conductivity	Calibration:
Dissolved Oxygen (mg/L)	pH 4.0: Y or N
Turbidity (NTU)	pH 7.0: Y or N
	pH 10.0: Y or N
	DO: Y or N
	Turb.: 0.0 NTU: Y or N
	1.0 NTU: Y or N
	10.0 NTU: Y or N

Well Information	
Well ID: MW-24	Well Diameter (in): 2
Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652	Method of Purging/Sample Collection: Bailor Pump
MW: <input checked="" type="checkbox"/> RW: <input type="checkbox"/> Other: <input type="checkbox"/>	Screened Interval (ft.): 5-15
Private-WSW: <input type="checkbox"/> Public-WSW: <input type="checkbox"/>	Total Well Depth (TWD) (ft.): 15
Depth to Free Product (DFP) (ft.): n/a	Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD - DGW) (ft.):	5 casing volumes (6 x CV) (gals.):

Purging Data					
	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.
Volume Purged (gallons)					
Time (military)	0959				0959
PH (s.u.)	7.73				7.73
Specific Conductivity (µS/cm)	133				133
Water Temperature (°C)	28.01				28.01
Turbidity (NTU)	0.0				0.0
Dissolved Oxygen (mg/L)	1.54				1.54

Sampling Data	
Sampled By:	Sampling Time: 0959
Duplicate: Y or N	If yes, Duplicate Time:

Notes: No proof

Signature: *Joseph Gray*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/15	Site Name: Circle K # 2720886
Project Manager: R. Dunn	Field Personnel: J. Gray, C. Lally
General Weather Conditions:	
Ambient Air Temp (°F): 85.0	

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
pH 4.0: Y or N	pH 7.0: Y or N
DO: Y or N	pH 10.0: Y or N
Turb.: 0.0 NTU: Y or N	10.0 NTU: Y or N

Well Information	
Well ID: WU-25	Well Diameter (in): 2
Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652	Method of Purging/Sample Collection: Bailor Pump

MW: RW	Other: Private-WSW	Screened Interval (ft.): 2-12	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 79	Free Product Thickness (ft.): NFP	
Length of water column (LWC = TWD - DGW) (ft.): 11.2	3 casing volume (CV = LWC x Cx3) (gals.): 1.86	5 casing volumes (6 x CV) (gals.):	

	Purging Data					Post	Sampling
	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.		
Volume Purged (gallons)							
Time (minutes)	1148	1151	1153	1157	1159	1203	1203
PH (s.u.)	6.24	6.24	6.29	6.40	6.56	6.54	6.54
Specific Conductivity (µS/cm)	330	324	301	292	281	292	292
Water Temperature (°C)	26.88	26.80	26.74	26.70	26.74	26.76	26.76
Turbidity (NTU)	0.5	0.5	0.70	0.91	0.9	1.56	1.56
Dissolved Oxygen (mg/L)	0.00	0.00	0.02	0.92	1.49	0.12	0.2

Sampling Data	
Sampled By:	Sampling Time: 1:00
Duplicate: Y or N	If yes, Duplicate Time:

Notes: Signature: *Joseph Gray* 10.5 gallons
 Receipt # *Dunn*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/14 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

County: Charleston Project Manager: R. Dunn General Weather Conditions: Clear / Sunny Ambient Air Temp (°F): 79°

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

Well ID: MW-24 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

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

Depth to Free Product (DFP) (ft.): n/a Depth to Groundwater (DGW) (ft.): 5.75 Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1114							1114
PH (s.u.)	5.23							5.23
Specific Conductivity (µS/cm)	209							209
Water Temperature (°C)	26.02							26.02
Turbidity (NTU)	9.3							9.3
Dissolved Oxygen (mg/L)	3.15							3.15

Sampling Data

Sampled By: Sampling Time: 1114 Duplicate: Y or N If yes, Duplicate Time:

Notes: No pump Signature: [Signature]



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/14 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally
 County: Charleston Project Manager: R. Dunn General Weather Conditions: Ambient Air Temp (°F): 82°

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177
 Calibration: pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N
 DO: Y or N
 Dissolved Oxygen (mg/L)
 Turbidity (NTU) Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-27 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump
 MW: RW Other Screened Interval (ft.): 5-15
 Private-WSW Public-WSW Depth to Groundwater (DGP) (ft.): n/a Depth to Groundwater (DGP) (ft.): 5.86
 Length of water column (LWC = TWD - DGP) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (minutes)	12:17							12:17
PH (s.u.)	5.07							5.04
Specific Conductivity (µS/cm)	99							99
Water Temperature (°C)	27.10							27.10
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	1.52							1.52

Sampling Data

Sampled By: Sampling Time: 12:17 Duplicate: Y or N (N) if yes, Duplicate Time: Signature:

Notes: *Good*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/12/20	Site Name: Circle K # 2720886
Project Manager: R. Dunn	Field Personnel: J. Gray, C. Lally
County: Charleston	General Weather Conditions: Clear / Sunny
	Ambient Air Temp (°F): 85°

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
ph, conductivity	pH 4.0: Y or N
	pH 7.0: Y or N
	pH 10.0: Y or N
	S.C.: Y or N
Dissolved Oxygen (mg/L)	DO: Y or N
Turbidity (NTU)	Turb.: 0.0 NTU: Y or N
	1.0 NTU: Y or N
	10.0 NTU: Y or N

Well Information	
Well ID: MW-28	Well Diameter (in): 2
	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
MW: <input checked="" type="checkbox"/> RW <input type="checkbox"/> Other	Screened Interval (ft.): 2-12
Private-WSW <input type="checkbox"/> Public-WSW <input type="checkbox"/>	Total Well Depth (TWD) (ft.): 12
Depth to Free Product (DFP) (ft.): n/a	Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD - DGW) (ft.):	5 casing volumes (6 x CV) (gals.):

Purging Data					
	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.
Volume Purged (gallons)					
Time (military)	1147				1147
PH (s.u.)	5.58				5.58
Specific Conductivity (µS/cm)	124				134
Water Temperature (°C)	26.62				26.62
Turbidity (NTU)	0.0				0.0
Dissolved Oxygen (mg/L)	0.60				0.60

Sampling Data	
Sampled By:	Sampling Time: 1147
	Duplicate: Y or N
	If yes, Duplicate Time:

Notes: Golds

Signature: *Joseph Gray*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/17/20 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

County: Charleston Project Manager: R. Dunn General Weather Conditions: Ambient Air Temp (°F): 80.3

Quality Assurance

Meter Name: Horiba multifimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

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

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

Private-WSW Public-WSW

Depth to Free Product (DFF) (ft.): n/a Depth to Groundwater (DGW) (ft.): 5.73 Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1426							1426
PH (s.u.)	4.72							4.72
Specific Conductivity (µS/cm)	251							251
Water Temperature (°C)	27.87							27.87
Turbidity (NTU)	0.2							0.2
Dissolved Oxygen (mg/L)	0.55							0.55

Sampling Data

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

Notes: Signature: *[Signature]*

Gals



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 7/1/14 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

County: Charleston Project Manager: R. Dunn General Weather Conditions: Clear & Sunny Ambient Air Temp (°F): 70.5

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

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

MW: RW Other Screened Interval (ft.): 12

Private-WSW Public-WSW Depth to Free Product (DFP) (ft.): n/a Depth to Groundwater (DGW) (ft.): 2.30

Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x CX3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (minutes)	09:58							09:38
PH (s.u.)	7.93							7.43
Specific Conductivity (µS/cm)	179							159
Water Temperature (°C)	22.64							25.64
Turbidity (NTU)	22.2							22.2
Dissolved Oxygen (mg/L)	1.96							1.96

Sampling Data

Sampled By: Sampling Time: 0938 Duplicate: Y or N If yes, Duplicate Time:

Notes: No finding
Signature: J. Gray



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/15	Site Name: Circle K # 2720886
Project Manager: R. Dunn	Field Personnel: J. Gray, C. Lally
General Weather Conditions: Ambient Air Temp (°F):	

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
pH, conductivity	Calibration:
Dissolved Oxygen (mg/L)	pH 4.0: Y or N
Turbidity (NTU)	DO: Y or N
	Turb.: 0.0 NTU: Y or N
	1.0 NTU: Y or N
	10.0 NTU: Y or N

Well Information	
Well ID: MW-31	Well Diameter (in): 2
MW: <input checked="" type="checkbox"/> RW <input type="checkbox"/> Other	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
Private-WSW <input type="checkbox"/> Public-WSW <input type="checkbox"/>	Method of Purging/Sample Collection: Bailor Pump
Depth to Free Product (DFP) (ft.): n/a	Screened Interval (ft.): 2-12
Length of water column (LWC = TWD - DGW) (ft.):	Depth to Groundwater (DGW) (ft.): 10.73
	Free Product Thickness (ft.): NFP
	5 casing volumes (6 x CV) (gals.):

	Purging Data					Sampling
	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	
Volume Purged (gallons)						
Time (minutes)	1123					1123
PH (s.u.)	7.64					7.64
Specific Conductivity (µS/cm)	413					413
Water Temperature (°C)	26.62					26.62
Turbidity (NTU)	0.0					0.0
Dissolved Oxygen (mg/L)	0.60					0.60

Sampling Data	
Sampled By:	Sampling Time: 1123
	Duplicate: Y or N
	If yes, Duplicate Time:

Notes: Signature: *Joseph Lally*

NO PUES



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/13	Site Name: Circle K # 2720886
Field Personnel: J. Gray, C. Lally	
County: Charleston	Project Manager: R. Dunn
General Weather Conditions: Ambient Air Temp (°F):	

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
ph, conductivity	pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N
Disolved 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: WAW-32	Well Diameter (in): 2
Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652	Method of Purging/Sample Collection: Bailor Pump
MW: <input checked="" type="checkbox"/> RW <input type="checkbox"/> Other	Screened Interval (ft.): 3-13
Private-WSW Public-WSW	Total Well Depth (TWD) (ft.): 13
Depth to Free Product (DFP) (ft.): n/a	Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD - DGW) (ft.):	5 casing volumes (6 x CV) (gals.):
3 casing volume (CV = LWC x Cx3) (gals.):	

Purging Data					
	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.
Volume Purged (gallons)					
Time (military)	1421				
PH (s.u.)	5.81				
Specific Conductivity (µS/cm)	6021				
Water Temperature (°C)	25.52				
Turbidity (NTU)	4.0				
Disolved Oxygen (mg/L)	0.48				

Sampling Data	
Sampled By:	Sampling Time: 1421
Duplicate: Y or N	If yes, Duplicate Time:

Notes: Giles

Signature:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/13	Site Name: Circle K # 2720886
Field Personnel: J. Gray, C. Lally	
County: Charleston	Project Manager: R. Dunn
General Weather Conditions:	Ambient Air Temp (°F):

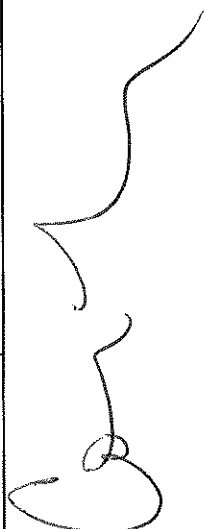
Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
ph, conductivity	pH 4.0: Y or N
	pH 7.0: Y or N
	pH 10.0: Y or N
	S.C.: Y or N
Dissolved Oxygen (mg/L)	DO: Y or N
Turbidity (NTU)	Turb.: 0.0 NTU: Y or N
	1.0 NTU: Y or N
	10.0 NTU: Y or N

Well Information	
Well ID: MW-33	Well Diameter (in): 2
	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
MW: RW	Screened Interval (ft.): 3-13
Private-WSW	Other
Public-WSW	
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 3.08
Length of water column (LWC = TWD - DGW) (ft.):	Free Product Thickness (ft.): NFP
	5 casing volumes (6 x CV) (gals.):

Purging Data					
Volume Purged (gallons)	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.
Time (military)	Initial				
PH (s.u.)	1024				
Specific Conductivity (µS/cm)	5.47				
Water Temperature (°C)	8.4				
Turbidity (NTU)	20.95				
Dissolved Oxygen (mg/L)	12.7				
	2.19				

Sampling Data	
Sampled By:	Sampling Time: 1024
Duplicate: Y or N	If yes, Duplicate Time: 1020

Notes: Very strong sheen
6/8/03

Signature: 



Underground Storage Tank Management Division Field Data Information Sheet - Sampling

Site Information

Date: 10/15 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

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

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

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

MW ~~IW~~ ~~RW~~ ~~Other~~ Screened Interval (ft.): 3-13 Total Well Depth (TWD) (ft.): 13

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 7.63 Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1510							1510
PH (s.u.)	5.28							5.28
Specific Conductivity (µS/cm)	108							108
Water Temperature (°C)	27.98							27.98
Turbidity (NTU)	0.0							0.0
Dissolved Oxygen (mg/L)	1.65							1.65

Sampling Data

Sampled By: Sampling Time: 1510 Duplicate: Y or N If yes, Duplicate Time:

Notes: No purge

Signature: Joseph Gray



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/18/21 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

County: Chaffeston Project Manager: R. Dunn General Weather Conditions: Ambient Air Temp (°F): 80.3

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration: Method of Purging/Sample Collection: Bailor Pump

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

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: INAW-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: Bailor Pump

MW: RW Other Screened Interval (ft.): 3-13

Private-WSW Public-WSW Depth to Free Product (DFP) (ft.): n/a Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGW) (ft.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)							
Time (military)	1453						1453
PH (s.u.)	8.62						5.62
Specific Conductivity (µS/cm)	343						343
Water Temperature (°C)	25.23						25.23
Turbidity (NTU)	0.0						0.0
Dissolved Oxygen (mg/L)	0.0						0.0

Sampling Data

Sampled By: Sampling Time: 1453 Duplicate: Y or (N) If yes, Duplicate Time:

Notes: No Puff Signature: [Handwritten Signature]



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/14 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

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

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

Well ID: MW-34e Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW RW Other Screened Interval (ft.): 13

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 1.83

Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGW) (ft.): 11.17 3 casing volume (CV = LWC x Cx3) (gals.): 1.85 x 3 = 5.55

5 casing volumes (6 x CV) (gals.): 10.0

Purging Data

	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	0420	0124	0417	0419	0424	
PH (s.u.)	5.52	5.41	5.42	5.43	5.43	
Specific Conductivity (µS/cm)	2591	1199	1207	1201	1205	
Water Temperature (°C)	20.3	25.23	25.41	25.41	25.92	
Turbidity (NTU)	7.83	514	405	391	370	
Dissolved Oxygen (mg/L)		2.7	2.7	2.7	2.5	

Sampling Data

Sampled By: Sampling Time: 0931 Duplicate: Y or N If yes, Duplicate Time:

Notes: *plw*

Signature: *Gray*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/11/21	Site Name: Circle K # 2720886
Project Manager: R. Dunn	Field Personnel: J. Gray, C. Lally
General Weather Conditions: Ambient Air Temp (°F): 80.1	

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
ph, conductivity	pH 4.0: Y or N
	pH 7.0: Y or N
	pH 10.0: Y or N
	S.C.: Y or N
Dissolved Oxygen (mg/L)	DO: Y or N
Turbidity (NTU)	Turb.: 0.0 NTU: Y or N
	1.0 NTU: Y or N
	10.0 NTU: Y or N

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

MW: RW	Other: _____
Private-WSW	Public-WSW
Depth to Free Product (DFP) (ft.): n/a	Screened Interval (ft.): 3-13
Length of water column (LWC = TWD - DGW) (ft.):	Depth to Groundwater (DGW) (ft.): 7.17
	3 casing volume (CV = LWC x Cx3) (gals.):
	5 casing volumes (6 x CV) (gals.):
	Total Well Depth (TWD) (ft.): 13
	Free Product Thickness (ft.): NFP

Purging Data					
	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.
Volume Purged (gallons)					
Time (military)	1238				238
PH (s.u.)	8.62				8.62
Specific Conductivity (µS/cm)	181				181
Water Temperature (°C)	26.65				26.65
Turbidity (NTU)	0.0				0.0
Dissolved Oxygen (mg/L)	0.50				0.50

Sampling Data	
Sampled By:	Sampling Time: 1238
	Duplicate: Y or N
	If yes, Duplicate Time:

Notes: 60000

Signature: *J. Gray*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/14 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

County: Charleston Project Manager: R. Dunn General Weather Conditions: Clear & Sunny Ambient Air Temp (°F): 80.3

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

Well ID: MW-38 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.662 Method of Purging/Sample Collection: Bailor Pump

MW RW Other Screened Interval (ft.): 13

Private-WSW Public-WSW

Depth to Free Product (DFP) (ft.): n/a Depth to Groundwater (DGW) (ft.): 7.08 Total Well Depth (TWD) (ft.): 13

Length of water column (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (minutes)	144						144
PH (s.u.)	5.22						5.22
Specific Conductivity (µS/cm)	339						339
Water Temperature (°C)	26.13						26.13
Turbidity (NTU)	0.0						0.0
Dissolved Oxygen (mg/L)	0.19						0.19

Sampling Data

Sampled By: [Signature] Sampling Time: 1447 Duplicate: Y or N (N) If yes, Duplicate Time:

Notes: No Purge [Signature]



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/13 Site ID #: 01589 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

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

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

Well ID: P 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: Bailor Pump

MW RW Other Screened Interval (ft.): 39

Private-WSW Public-WSW 3A-39 Total Well Depth (TWD) (ft.):

Depth to Free Product (DFP) (ft.): n/a Depth to Groundwater (DGW) (ft.): 4.13 Free Product Thickness (ft.): NFP

Length of water column 34.87 3 casing volume (CV = LWC x Cx3) (gals.): 5.79 5 casing volumes (6 x CV) (gals.):

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

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (minutes)		15:50						15:58
PH (s.u.)		6.50	6.85					7.19
Specific Conductivity (µS/cm)		210	310					300
Water Temperature (°C)		25.72	25.02					24.80
Turbidity (NTU)		7.1	19.5					780
Dissolved Oxygen (mg/L)		5.72	2.50					2.94

Sampling Data

Sampled By: Sampling Time: 15:58 Duplicate: Y or N If yes, Duplicate Time:

Notes: Pump 6.25 gal 5.75 x 0.6

Signature:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: 10/19/21	Site Name: Circle K # 2720886
Project Manager: R. Dunn	Field Personnel: J. Gray, C. Lally
General Weather Conditions: Clear & Sunny	
Ambient Air Temp (°F):	

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
ph, conductivity	pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N
Dissolved Oxygen (mg/L)	DO: Y or N
Turbidity (NTU)	Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information			
Well ID: DMW-2	Well Diameter (in): 2	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652	Method of Purging/Sample Collection: Bailor Pump
MW #4	Other	Screened Interval (ft.): 34-39	Total Well Depth (TWD) (ft.): 39
Private-WSW	Public-WSW		
Depth to Free Product (DFP) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 2.57		Free Product Thickness (ft.): NFP
Length of water column (LWC = TWD - DGW) (ft.): 36.13	3 casing volume (CV = LWC x CX) (gals.): 0.00 gals		5 casing volumes (6 x CV) (gals.):

Purging Data							
	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)		6.0					1.0
Time (minutes)	0951	0958					1002
PH (s.u.)	6.82	6.75					6.95
Specific Conductivity (µS/cm)	469	473					462
Water Temperature (°C)	25.56	24.22					24.10
Turbidity (NTU)	14.9	113					698
Dissolved Oxygen (mg/L)	2.61	1.68					1.00

Sampling Data	
Sampled By: J. Gray	Sampling Time: 1002
Duplicate: Y or N	If yes, Duplicate Time:

Notes: Purged @ 1st Vol. + 1.0 gallon

Signature: J. Gray
7.25 gallon Purged @ 1002



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/15 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

County: Charleston Project Manager: R. Dunn General Weather Conditions: Clear & Sunny Ambient Air Temp (°F): 70°

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177

Calibration:

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

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

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

Well Information

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

MW: RW Other Private-WSW Public-WSW

Screened Interval (ft.): 35-40 Total Well Depth (TWD) (ft.): 40

Depth to Free Product (DFF) (ft.): n/a Depth to Groundwater (DGW) (ft.): 7.40 Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGW) (ft.): 32.60 3 casing volume (CV = LWC x Cx3) (gals.): 6.41 5 casing volumes (6 x CV) (gals.):

Purging Data

	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	1032	1044				1044
PH (s.u.)	7.15	7.40				7.40
Specific Conductivity (µS/cm)	383	423				423
Water Temperature (°C)	20.15	20.02				20.02
Turbidity (NTU)	10.4	0.5				0.5
Dissolved Oxygen (mg/L)	2.93	2.01				2.01

Sampling Data

Sampled By: Sampling Time: 1044 Duplicate: Y or N If yes, Duplicate Time:

Notes: 6.0 gallon sample



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/13 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

County: Chaffeston Project Manager: R. Dunn General Weather Conditions: _____ Ambient Air Temp (°F): _____

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration: _____

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

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

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

Well Information

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

MW: Other Screened Interval (ft.): 40-45 Method of Purging/Sample Collection: Bailer

Private-WSW _____ Public-WSW _____ Total Well Depth (TWD) (ft.): 45 Pump _____

Depth to Free Product (DFP) (ft.): n/a Depth to Groundwater (DGW) (ft.): 2.80 Free Product Thickness (ft.): NFP

Length of water column (LWC = TWD - DGW) (ft.): 42.14 3 casing volume (CV = LWC x Cx3) (gals.): 6.00 5 casing volumes (6 x CV) (gals.): _____

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
0.10	0.35						0.40
0.20	0.05						7.12
1.50	3.30						2.32
2.20	2.79						2.51
6.6	2.18						5.25
5.57	10.15						9.25

Sampling Data

Sampled By: _____ Sampling Time: 0940 Duplicate: Y or N Y If yes, Duplicate Time: _____

Notes: Dry @ 7.25 gal. samples

Signature: [Handwritten Signature]



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: <u>10/17/11</u>	Site ID #: <u>01589</u>
County: <u>Charleston</u>	Project Manager: <u>R. Dunn</u>
Field Personnel: <u>J. Gray, C. Lally</u>	Ambient Air Temp (°F): <u>82.3</u>
General Weather Conditions:	

Quality Assurance	
Meter Name: <u>Horiba multimeter</u>	Serial #: <u>11E100177</u>
Calibration:	
ph, conductivity	Calibration: 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: <u>Dmw-5</u>	Well Diameter (in): <u>2</u>
Conversion Factor (C): <u>1" well = 0.047, 2" well = 0.166, 4" well = 0.652</u>	Method of Purging/Sample Collection: <u>Bailer Pump</u>
Screened Interval (ft.): <u>38-43</u>	Total Well Depth (TWD) (ft.): <u>43</u>
Depth to Free Product (DFP) (ft.): <u>n/a</u>	Free Product Thickness (ft.): <u>NFP</u>
Length of water column (LWC = TWD - DGM) (ft.): <u>38.44</u>	5 casing volumes (6 x CV) (gals.): <u>5.88</u>

	Purging Data				
	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.
Volume Purged (gallons)					
Time (military)	<u>1513</u>	<u>1521</u>	<u>1529</u>		
PH (s.u.)	<u>7.07</u>	<u>7.32</u>	<u>7.41</u>		<u>1529</u>
Specific Conductivity (µS/cm)	<u>345</u>	<u>374</u>	<u>386</u>		<u>7.41</u>
Water Temperature (°C)	<u>25.10</u>	<u>23.76</u>	<u>22.93</u>		<u>386</u>
Turbidity (NTU)	<u>0.0</u>	<u>18.6</u>	<u>660</u>		<u>22.53</u>
Dissolved Oxygen (mg/L)	<u>2.37</u>	<u>0.36</u>	<u>0.99</u>		<u>660</u>
					<u>0.99</u>

Sampled By: <u>[Signature]</u>	Sampling Time: <u>1529</u>	Duplicate: Y or N <u>(N)</u>	If yes, Duplicate Time:
Notes: <u>12.0 gallon Purged</u>			

Signature: [Signature]



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information

Date: 10/13 Site Name: Circle K # 2720886 Field Personnel: J. Gray, C. Lally

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

Quality Assurance

Meter Name: Horiba multimeter Serial #: 11E100177 Calibration:

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

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

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

Well Information

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

MW RW Other Screened Interval (ft.): 12
 Private-WSW Public-WSW Depth to Groundwater (DGP) (ft.): n/a 2-12
 Depth to Free Product (DFP) (ft.): n/a 3.18
 Length of water column Free Product Thickness (ft.): NFP
 (LWC = TWD - DGW) (ft.): 3 casing volume (CV = LWC x Cx3) (gals.): 5 casing volumes (6 x CV) (gals.):

Purging Data

Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post
Volume Purged (gallons)						
Time (military)	1:05 P					
PH (s.u.)	9.66					
Specific Conductivity (µS/cm)	2050					
Water Temperature (°C)	21.80					
Turbidity (NTU)	0.1					
Dissolved Oxygen (mg/L)	7.01					

Sampling Data

Sampled By: Sampling Time: 10:09 AM Duplicate: Y or N (N) If yes, Duplicate Time:

Notes: Signature: *CG*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: Site ID #: 01589	Site Name: Circle K # 2720886
County: Charleston	Field Personnel: J. Gray, C. Lally
Project Manager: R. Dunn	General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
ph, conductivity	pH 4.0: Y or N pH 7.0: Y or N pH 10.0: Y or N S.C.: Y or N
Dissolved Oxygen (mg/L)	DO: Y or N
Turbidity (NTU)	Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information	
Well ID: RW-5	Well Diameter (in): 2
Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652	Method of Purging/Sample Collection: Bailor Pump
MW: RW-5	Other: _____
Private-WSW: _____	Public-WSW: _____
Depth to Free Product (DFF) (ft.): n/a	Depth to Groundwater (DGW) (ft.): 2-12
Length of water column (LWC = TWD - DGW) (ft.):	Free Product Thickness (ft.): NFP 12
	5 casing volumes (6 x CV) (gals.):

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

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

Notes: _____
 Signature: _____



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: Site ID #: 01589	Site Name: Circle K # 2720886
County: Charleston	Project Manager: R. Dunn
Field Personnel: J. Gray, C. Lally	
General Weather Conditions: Ambient Air Temp (°F):	

Quality Assurance	
Meter Name: Floriba multimeter	
Serial #: 11E100177	
Calibration:	
pH 4.0: Y or N	pH 7.0: Y or N
DO: Y or N	pH 10.0: Y or N
Turb.: 0.0 NTU: Y or N	1.0 NTU: Y or N
	10.0 NTU: Y or N

Well Information	
Well ID: 22-6	Well Diameter (in): 2
	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
	Method of Purging/Sample Collection: Bailor Pump

MW: HW	Other: 12
Private-WSW: 2-12	Public-WSW: 12
Depth to Free Product (DFP) (ft.): 1.87	Free Product Thickness (ft.): NFP 1.19
Length of water column (LWC = TWD - DGW) (ft.):	5 casing volumes (6 x CV) (gals.):
	3 casing volume (CV = LWC x Cx3) (gals.):

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

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

Notes: Signature: _____



Underground Storage Tank Management Division Field Data Information Sheet – Sampling

Site Information	
Date: Site ID #: 01589	Site Name: Circle K # 2720886
County: Charleston	Project Manager: R. Dunn
	Field Personnel: J. Gray, C. Lally
	Ambient Air Temp (°F):

Quality Assurance	
Meter Name: Horiba multimeter	Serial #: 11E100177
Calibration:	
ph, conductivity	pH 4.0: Y or N
	pH 7.0: Y or N
	pH 10.0: Y or N
	S.C.: Y or N
Dissolved Oxygen (mg/L)	DO: Y or N
Turbidity (NTU)	Turb.: 0.0 NTU: Y or N
	1.0 NTU: Y or N
	10.0 NTU: Y or N

Well Information	
Well ID: RW-7	Well Diameter (in): 2
	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
MW <input type="checkbox"/> Private-WSW <input type="checkbox"/> Public-WSW <input type="checkbox"/> Other <input type="checkbox"/>	Screened Interval (ft.): 3-13
Depth to Free Product (DFP) (ft.): n/a	3.70
Length of water column (LWC = TWD - DGW) (ft.):	3 casing volume (CV = LWC x Cx3) (gals.):
	5 casing volumes (6 x CV) (gals.):
	Free Product Thickness (ft.): NFP
	13
	Method of Purging/Sample Collection: Bailor Pump
	Total Well Depth (TWD) (ft.):

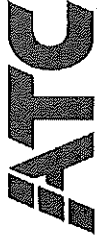
Purging Data					
Volume Purged (gallons)	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	5 th Vol.
Time (minutes)					
PH (s.u.)					
Specific Conductivity (µS/cm)					
Water Temperature (°C)					
Turbidity (NTU)					
Dissolved Oxygen (mg/L)					

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

Notes: Signature: _____



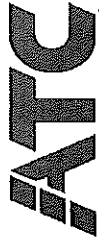
Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information Date: 10 / 19 / 2021 Site ID #: Site Name: Field Personnel: J. Gray County: Project Manager: General Weather Conditions: Ambient Air Temp (°F):																																																									
Quality Assurance Meter Name: Horiba multimeter Serial #: VU134N3T pH, conductivity Calibration: pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N Dissolved Oxygen (mg/L) DO: Y or N Turbidity (NTU) Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N																																																									
Well Information Well ID: MW-8 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump MW: RW Other: Screened Interval (ft.): 3-13 Private-WSW Public-WSW Depth to Free Product (DFP) (ft.): Depth to Groundwater (DGW) (ft.): 1.59 Length of water column (LWC = TWD - DGW) (ft.): 11.4 1 casing volume (CV = LWC x C) (gals.): 2.84 Free Product Thickness (ft.): 5 casing volumes (5 x CV) (gals.): 37.5																																																									
Purging Data <table border="1"> <thead> <tr> <th>Initial</th> <th>1st Vol.</th> <th>2nd Vol.</th> <th>3rd Vol.</th> <th>4th Vol.</th> <th>5th Vol.</th> <th>Post</th> <th>Sampling</th> </tr> </thead> <tbody> <tr> <td>1000</td> <td>1000</td> <td>1017</td> <td>917</td> <td>1064</td> <td>1064</td> <td></td> <td>1001</td> </tr> <tr> <td>5.44</td> <td>5.94</td> <td>5.98</td> <td>6.05</td> <td>6.08</td> <td>6.03</td> <td></td> <td></td> </tr> <tr> <td>438</td> <td>443</td> <td>503</td> <td>489</td> <td>497</td> <td>501</td> <td></td> <td></td> </tr> <tr> <td>26.60</td> <td>26.70</td> <td>26.81</td> <td>26.94</td> <td>26.90</td> <td>27.59</td> <td></td> <td></td> </tr> <tr> <td>22.3</td> <td>22.8</td> <td>35x</td> <td>410</td> <td>241</td> <td>250</td> <td></td> <td></td> </tr> <tr> <td>1.59</td> <td>1.59</td> <td>1.01</td> <td>1.04</td> <td>4.50</td> <td>6.95</td> <td></td> <td></td> </tr> </tbody> </table>		Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling	1000	1000	1017	917	1064	1064		1001	5.44	5.94	5.98	6.05	6.08	6.03			438	443	503	489	497	501			26.60	26.70	26.81	26.94	26.90	27.59			22.3	22.8	35x	410	241	250			1.59	1.59	1.01	1.04	4.50	6.95		
Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling																																																		
1000	1000	1017	917	1064	1064		1001																																																		
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22.3	22.8	35x	410	241	250																																																				
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Sampling Data Sampled By: J. Gray Sampling Time: 6:29 Duplicate: Y or N if yes, Duplicate Time:																																																									
Notes: Signature: Total Gallons:																																																									



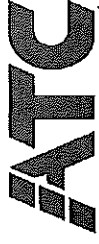
Underground Storage Tank Management Division Field Data Information Sheet -- Sampling



<p>Site Information</p> <p>Date: 10 / / 2021 Site ID #: Site Name: Field Personnel: J. Gray (EnMark)</p> <p>County: Project Manager: General Weather Conditions: Ambient Air Temp (°F):</p>																																																																	
<p>Quality Assurance</p> <p>Meter Name: Horiba multimeter Serial #: VU134N3T</p> <p>pH, conductivity Calibration: pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N</p> <p>Dissolved Oxygen (mg/L) DO: Y or N</p> <p>Turbidity (NTU) Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N</p>																																																																	
<p>Well Information</p> <p>Well ID: MW-9 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump</p> <p>MW: RW Private-WSW Public-WSW Other</p> <p>Depth to Free Product (DFP) (ft.): 2.61 Depth to Groundwater (DGW) (ft.): 2.07 Screened Interval (ft.): 3-13 Total Well Depth (TWD) (ft.):</p> <p>Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): Free Product Thickness (ft.): 1.07</p> <p>5 casing volumes (5 x CV) (gals.):</p>																																																																	
<p>Purging Data</p> <table border="1"> <tr> <td>Initial</td> <td>1st Vol.</td> <td>2nd Vol.</td> <td>3rd Vol.</td> <td>4th Vol.</td> <td>5th Vol.</td> <td>Post</td> <td>Sampling</td> </tr> <tr> <td>Volume Purged (gallons)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Time (military)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PH (s.u.)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Specific Conductivity (µS/cm)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Water Temperature (°C)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Turbidity (NTU)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dissolved Oxygen (mg/L)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling	Volume Purged (gallons)								Time (military)								PH (s.u.)								Specific Conductivity (µS/cm)								Water Temperature (°C)								Turbidity (NTU)								Dissolved Oxygen (mg/L)							
Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling																																																										
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<p>Notes: Signature: Total Gallons:</p>																																																																	



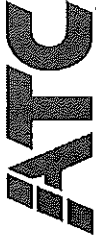
Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information		(EnMark)	
Date: 10 / 7/2021	Site ID #	Field Personnel: J. Gray	
County:	Project Manager:	General Weather Conditions:	Ambient Air Temp (°F):
Quality Assurance			
Meter Name: Horiba multimeter	Serial #: VU134N3T	Calibration:	S.C.: (Y) or N
ph, conductivity	pH 4.0: (Y) or N	pH 7.0: Y or N	pH 10.0: Y or N
Dissolved Oxygen (mg/L)	DO: Y or N		
Turbidity (NTU)	Turb.: 0.0 NTU: (Y) or N	1.0 NTU: Y or N	10.0 NTU: Y or N
Well Information			
Well ID: MW-10	Well Diameter (in): 2	Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652	Method of Purging/Sample Collection: Bailor Pump
MW RW Private-WSW Public-WSW Other	Screened Interval (ft.): 3-13		
Depth to Free Product (DFP) (ft.): 1.2	Depth to Groundwater (DGW) (ft.): 1.22		
Length of water column (LWC = TWD - DGW) (ft.):	Free Product Thickness (ft.): 5 casing volumes (5 x CV) (gals.):		
Purging Data			
Initial	1 st Vol.	2 nd Vol.	3 rd Vol.
Volume Purged (gallons)			
Time (military)			
PH (s.u.)			
Specific Conductivity (µS/cm)			
Water Temperature (°C)			
Turbidity (NTU)			
Dissolved Oxygen (mg/L)			
Sampling Data			
Sampled By: J. Gray	Sampling Time:	Duplicate: Y or N	if yes, Duplicate Time:
Notes:			Total Gallons:



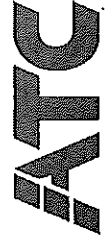
Underground Storage Tank Management Division Field Data Information Sheet – Sampling



<p>Site Information</p> <p>Date: 10 / 1/2021 Site ID # _____ Site Name: _____ Field Personnel: J. Gray (EnMark)</p> <p>Country: _____ Project Manager: _____ General Weather Conditions: _____ Ambient Air Temp (°F): _____</p>																																																																									
<p>Quality Assurance</p> <p>Meter Name: Horiba multimeter Serial #: VU134N3T</p> <p>pH, conductivity Calibration: _____</p> <p>Dissolved Oxygen (mg/L) pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N</p> <p>Turbidity (NTU) DO: Y or N Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N</p>																																																																									
<p>Well Information</p> <p>Well ID: MW-11 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Baller Pump</p> <p>MW RW Other Screened Interval (ft.): 1.6</p> <p>Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 6.0</p> <p>Length of water column Free Product Thickness (ft.): _____</p> <p>(LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.): _____</p>																																																																									
<p>Purging Data</p> <table border="1"> <tr> <th>Initial</th> <th>1st Vol.</th> <th>2nd Vol.</th> <th>3rd Vol.</th> <th>4th Vol.</th> <th>5th Vol.</th> <th>Post</th> <th>Sampling</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>Volume Purged (gallons)</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>Time (military)</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>PH (s.u.)</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>Specific Conductivity (µS/cm)</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>Water Temperature (°C)</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>Turbidity (NTU)</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>Dissolved Oxygen (mg/L)</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling									Volume Purged (gallons)								Time (military)								PH (s.u.)								Specific Conductivity (µS/cm)								Water Temperature (°C)								Turbidity (NTU)								Dissolved Oxygen (mg/L)							
Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling																																																																		
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<p>Sampling Data</p> <p>Sampled By: J. Gray Duplicate: Y or N if yes, Duplicate Time: _____</p> <p>Notes: _____ Signature: _____ Total Gallons: _____</p>																																																																									



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

(EnterMark)

Date: 10/15/2021 Site ID # _____ Site Name: _____ Field Personnel: J. Gray
 Project Manager: _____ General Weather Conditions: (Sun & Rain) Ambient Air Temp (°F): 70.3

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-12 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652
 Method of Purging/Sample Collection: Bailor Pump
 Screened Interval (ft.): 1-6 Total Well Depth (TWD) (ft.): _____

MW RW Private-WSW Public-WSW Other
 Depth to Free Product (DFP) (ft.): 5.5
 Length of water column (LWC = TWD - DGW) (ft.): 5.5
 Depth to Groundwater (DGW) (ft.): 5
 Free Product Thickness (ft.): _____
 1 casing volume (CV = LWC x C) (gals.): 3.59
 5 casing volumes (5 x CV) (gals.): _____

Purging Data

	Initial	1 st Vol.	2 nd Vol.	3 rd Vol.	4 th Vol.	5 th Vol.	Post	Sampling
Volume Purged (gallons)	30	5.50						
Time (military)	0912	0915						0915
PH (s.u.)	5.26	4.67						4.67
Specific Conductivity (µS/cm)	503	1570						1570
Water Temperature (°C)	22.94	25.87						25.87
Turbidity (NTU)	39.4	57.0						57.0
Dissolved Oxygen (mg/L)	3.62	0.09						0.09

Sampling Data

Sampled By: J. Gray Sampling Time: 0915 Duplicate: Y or N If yes, Duplicate Time: _____

Signature: *J. Gray* Total Gallons: 1.0 gallon purged
 5.5 gallon

APPENDIX B

LABORATORY ANALYTICAL RESULTS

October 25, 2021

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

RE: Project: CK2720886
Pace Project No.: 92567249

Dear Brad Hubbard:

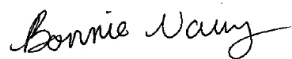
Enclosed are the analytical results for sample(s) received by the laboratory on October 18, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CK2720886

Pace Project No.: 92567249

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

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SAMPLE SUMMARY

Project: CK2720886

Pace Project No.: 92567249

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92567249001	01589-MW-1	Water	10/13/21 16:48	10/18/21 08:00
92567249002	01589-MW-2	Water	10/13/21 16:37	10/18/21 08:00
92567249003	01589-MW-3	Water	10/13/21 14:38	10/18/21 08:00
92567249004	01589-MW-4	Water	10/13/21 13:48	10/18/21 08:00
92567249005	01589-MW-5	Water	10/13/21 13:30	10/18/21 08:00
92567249006	01589-MW-7	Water	10/14/21 12:15	10/18/21 08:00
92567249007	01589-MW-8	Water	10/14/21 08:11	10/18/21 08:00
92567249008	01589-MW-9	Water	10/14/21 07:59	10/18/21 08:00
92567249009	01589-MW-10	Water	10/14/21 07:42	10/18/21 08:00
92567249010	01589-MW-11	Water	10/14/21 07:35	10/18/21 08:00
92567249011	01589-MW-12	Water	10/13/21 14:17	10/18/21 08:00
92567249012	01589-MW-13	Water	10/13/21 09:00	10/18/21 08:00
92567249013	01589-MW-14	Water	10/13/21 15:06	10/18/21 08:00
92567249014	01589-MW-15	Water	10/13/21 12:15	10/18/21 08:00
92567249015	01589-MW-16	Water	10/13/21 14:36	10/18/21 08:00
92567249016	01589-MW-17	Water	10/13/21 14:36	10/18/21 08:00
92567249017	01589-MW-18	Water	10/13/21 08:50	10/18/21 08:00
92567249018	01589-MW-19	Water	10/13/21 08:30	10/18/21 08:00
92567249019	01589-MW-20	Water	10/13/21 08:07	10/18/21 08:00
92567249020	01589-MW-21	Water	10/14/21 09:06	10/18/21 08:00
92567249021	01589-MW-22	Water	10/14/21 09:21	10/18/21 08:00
92567249022	01589-MW-23	Water	10/14/21 10:52	10/18/21 08:00
92567249023	01589-MW-24	Water	10/15/21 09:59	10/18/21 08:00
92567249024	01589-MW-25	Water	10/15/21 12:03	10/18/21 08:00
92567249025	01589-MW-26	Water	10/14/21 11:14	10/18/21 08:00
92567249026	01589-MW-27	Water	10/14/21 12:17	10/18/21 08:00
92567249027	01589-MW-28	Water	10/15/21 11:47	10/18/21 08:00
92567249028	01589-MW-29	Water	10/14/21 14:26	10/18/21 08:00
92567249029	01589-MW-30	Water	10/14/21 09:30	10/18/21 08:00
92567249030	01589-MW-31	Water	10/15/21 11:13	10/18/21 08:00
92567249031	01589-MW-32	Water	10/13/21 14:21	10/18/21 08:00
92567249032	01589-MW-33	Water	10/13/21 16:24	10/18/21 08:00
92567249033	01589-MW-34	Water	10/15/21 15:10	10/18/21 08:00
92567249034	01589-MW-35	Water	10/14/21 14:53	10/18/21 08:00
92567249035	01589-MW-36	Water	10/14/21 09:31	10/18/21 08:00
92567249036	01589-MW-37	Water	10/14/21 12:38	10/18/21 08:00
92567249037	01589-MW-38	Water	10/14/21 14:41	10/18/21 08:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CK2720886

Pace Project No.: 92567249

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92567249038	01589-DMW-1	Water	10/13/21 15:58	10/18/21 08:00
92567249039	01589-DMW-2	Water	10/14/21 10:02	10/18/21 08:00
92567249040	01589-DMW-3	Water	10/15/21 10:44	10/18/21 08:00
92567249041	01589-DMW-4	Water	10/15/21 09:40	10/18/21 08:00
92567249042	01589-DMW-5	Water	10/15/21 15:29	10/18/21 08:00
92567249043	01589-RW2	Water	10/13/21 16:09	10/18/21 08:00
92567249044	01589-RW3	Water	10/13/21 14:52	10/18/21 08:00
92567249045	01589-RW4	Water	10/13/21 14:07	10/18/21 08:00
92567249046	01589-RW8	Water	10/14/21 10:29	10/18/21 08:00
92567249047	01589-RW12	Water	10/15/21 09:15	10/18/21 08:00
92567249048	01589-DUP	Water	10/13/21 16:26	10/18/21 08:00
92567249049	01589-FB1	Water	10/13/21 17:10	10/18/21 08:00
92567249050	01589-FB2	Water	10/14/21 14:59	10/18/21 08:00
92567249051	01589-FB3	Water	10/15/21 16:20	10/18/21 08:00
92567249052	01589-SW1	Water	10/14/21 08:45	10/18/21 08:00
92567249053	01589-SW2	Water	10/12/21 14:45	10/18/21 08:00
92567249054	01589-SW3	Water	10/12/21 16:45	10/18/21 08:00
92567249055	01589-SW4	Water	10/12/21 16:30	10/18/21 08:00
92567249056	01589-SW6	Water	10/12/21 14:20	10/18/21 08:00
92567249057	01589-SW7	Water	10/14/21 11:45	10/18/21 08:00
92567249058	01589-SW8	Water	10/14/21 11:40	10/18/21 08:00
92567249059	01589-SW9	Water	10/14/21 11:30	10/18/21 08:00
92567249060	TRIP BLANK	Water	10/12/21 00:00	10/18/21 08:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CK2720886
Pace Project No.: 92567249

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92567249001	01589-MW-1	EPA 8260D	NSCQ	18	PASI-C
92567249002	01589-MW-2	EPA 8260D	NSCQ	18	PASI-C
92567249003	01589-MW-3	EPA 8260D	CL	18	PASI-C
92567249004	01589-MW-4	EPA 8260D	CL	18	PASI-C
92567249005	01589-MW-5	EPA 8260D	CL	18	PASI-C
92567249006	01589-MW-7	EPA 8260D	NSCQ	18	PASI-C
92567249007	01589-MW-8	EPA 8260D	CL	18	PASI-C
92567249008	01589-MW-9	EPA 8260D	PM1	18	PASI-C
92567249009	01589-MW-10	EPA 8260D	CL	18	PASI-C
92567249010	01589-MW-11	EPA 8260D	CL	18	PASI-C
92567249011	01589-MW-12	EPA 8260D	NSCQ	18	PASI-C
92567249012	01589-MW-13	EPA 8260D	NSCQ	18	PASI-C
92567249013	01589-MW-14	EPA 8260D	CL	18	PASI-C
92567249014	01589-MW-15	EPA 8260D	SAS	18	PASI-C
92567249015	01589-MW-16	EPA 8260D	CL	18	PASI-C
92567249016	01589-MW-17	EPA 8260D	CL	18	PASI-C
92567249017	01589-MW-18	EPA 8260D	PM1	18	PASI-C
92567249018	01589-MW-19	EPA 8260D	PM1	18	PASI-C
92567249019	01589-MW-20	EPA 8260D	PM1	18	PASI-C
92567249020	01589-MW-21	EPA 8260D	PM1	18	PASI-C
92567249021	01589-MW-22	EPA 8260D	CL	18	PASI-C
92567249022	01589-MW-23	EPA 8260D	PM1	18	PASI-C
92567249023	01589-MW-24	EPA 8260D	PM1	18	PASI-C
92567249024	01589-MW-25	EPA 8260D	PM1	18	PASI-C
92567249025	01589-MW-26	EPA 8260D	PM1	18	PASI-C
92567249026	01589-MW-27	EPA 8260D	CL	18	PASI-C
92567249027	01589-MW-28	EPA 8260D	PM1	18	PASI-C
92567249028	01589-MW-29	EPA 8260D	PM1	18	PASI-C
92567249029	01589-MW-30	EPA 8260D	CL	18	PASI-C
92567249030	01589-MW-31	EPA 8260D	PM1	18	PASI-C
92567249031	01589-MW-32	EPA 8260D	NSCQ	18	PASI-C
92567249032	01589-MW-33	EPA 8260D	SAS	18	PASI-C
92567249033	01589-MW-34	EPA 8260D	CL	18	PASI-C
92567249034	01589-MW-35	EPA 8260D	CL	18	PASI-C
92567249035	01589-MW-36	EPA 8260D	PM1	18	PASI-C
92567249036	01589-MW-37	EPA 8260D	PM1	18	PASI-C
92567249037	01589-MW-38	EPA 8260D	PM1	18	PASI-C

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CK2720886
Pace Project No.: 92567249

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92567249038	01589-DMW-1	EPA 8260D	SAS	18	PASI-C
92567249039	01589-DMW-2	EPA 8260D	SAS	18	PASI-C
92567249040	01589-DMW-3	EPA 8260D	SAS	18	PASI-C
92567249041	01589-DMW-4	EPA 8260D	SAS	18	PASI-C
92567249042	01589-DMW-5	EPA 8260D	SAS	18	PASI-C
92567249043	01589-RW2	EPA 8260D	SAS	18	PASI-C
92567249044	01589-RW3	EPA 8260D	SAS	18	PASI-C
92567249045	01589-RW4	EPA 8260D	SAS	18	PASI-C
92567249046	01589-RW8	EPA 8260D	SAS	18	PASI-C
92567249047	01589-RW12	EPA 8260D	SAS	18	PASI-C
92567249048	01589-DUP	EPA 8260D	SAS	18	PASI-C
92567249049	01589-FB1	EPA 8260D	SAS	18	PASI-C
92567249050	01589-FB2	EPA 8260D	SAS	18	PASI-C
92567249051	01589-FB3	EPA 8260D	SAS	18	PASI-C
92567249052	01589-SW1	EPA 8260D	PM1	18	PASI-C
92567249053	01589-SW2	EPA 8260D	PM1	18	PASI-C
92567249054	01589-SW3	EPA 8260D	PM1	18	PASI-C
92567249055	01589-SW4	EPA 8260D	PM1	18	PASI-C
92567249056	01589-SW6	EPA 8260D	PM1	18	PASI-C
92567249057	01589-SW7	EPA 8260D	CL	18	PASI-C
92567249058	01589-SW8	EPA 8260D	CL	18	PASI-C
92567249059	01589-SW9	EPA 8260D	CL	18	PASI-C
92567249060	TRIP BLANK	EPA 8260D	CL	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-1 **Lab ID: 92567249001** Collected: 10/13/21 16:48 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	9120J	ug/L	20000	7280	200		10/21/21 11:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		10/21/21 11:40	994-05-8	
Benzene	14600	ug/L	200	69.0	200		10/21/21 11:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		10/21/21 11:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		10/21/21 11:40	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		10/21/21 11:40	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		10/21/21 11:40	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		10/21/21 11:40	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		10/21/21 11:40	64-17-5	
Ethylbenzene	1240	ug/L	200	60.8	200		10/21/21 11:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		10/21/21 11:40	637-92-3	
Methyl-tert-butyl ether	468	ug/L	200	84.4	200		10/21/21 11:40	1634-04-4	
Naphthalene	157J	ug/L	200	129	200		10/21/21 11:40	91-20-3	
Toluene	19600	ug/L	200	97.0	200		10/21/21 11:40	108-88-3	
Xylene (Total)	3530	ug/L	200	67.6	200		10/21/21 11:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		200		10/21/21 11:40	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		200		10/21/21 11:40	17060-07-0	
Toluene-d8 (S)	99	%	70-130		200		10/21/21 11:40	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-2		Lab ID: 92567249002		Collected: 10/13/21 16:37		Received: 10/18/21 08:00		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	18900	ug/L	12500	4550	125		10/21/21 11:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	332	125		10/21/21 11:22	994-05-8	
Benzene	8260	ug/L	125	43.1	125		10/21/21 11:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6490	125		10/21/21 11:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	3350	125		10/21/21 11:22	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3680	125		10/21/21 11:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	40.2	125		10/21/21 11:22	107-06-2	
Diisopropyl ether	ND	ug/L	125	38.5	125		10/21/21 11:22	108-20-3	
Ethanol	ND	ug/L	25000	9020	125		10/21/21 11:22	64-17-5	
Ethylbenzene	1030	ug/L	125	38.0	125		10/21/21 11:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	405	125		10/21/21 11:22	637-92-3	
Methyl-tert-butyl ether	431	ug/L	125	52.8	125		10/21/21 11:22	1634-04-4	
Naphthalene	188	ug/L	125	80.6	125		10/21/21 11:22	91-20-3	
Toluene	17400	ug/L	125	60.6	125		10/21/21 11:22	108-88-3	
Xylene (Total)	7340	ug/L	125	42.2	125		10/21/21 11:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		125		10/21/21 11:22	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		125		10/21/21 11:22	17060-07-0	
Toluene-d8 (S)	98	%	70-130		125		10/21/21 11:22	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-3 **Lab ID: 92567249003** Collected: 10/13/21 14:38 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	115	ug/L	100	36.4	1		10/19/21 00:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 00:46	994-05-8	
Benzene	61.3	ug/L	1.0	0.34	1		10/19/21 00:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 00:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 00:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 00:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 00:46	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 00:46	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 00:46	64-17-5	
Ethylbenzene	0.78J	ug/L	1.0	0.30	1		10/19/21 00:46	100-41-4	
Ethyl-tert-butyl ether	3.3J	ug/L	10.0	3.2	1		10/19/21 00:46	637-92-3	
Methyl-tert-butyl ether	0.89J	ug/L	1.0	0.42	1		10/19/21 00:46	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 00:46	91-20-3	
Toluene	1.7	ug/L	1.0	0.48	1		10/19/21 00:46	108-88-3	
Xylene (Total)	17.5	ug/L	1.0	0.34	1		10/19/21 00:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/19/21 00:46	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		10/19/21 00:46	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		10/19/21 00:46	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-4 **Lab ID: 92567249004** Collected: 10/13/21 13:48 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/18/21 21:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 21:44	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/18/21 21:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 21:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 21:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 21:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/18/21 21:44	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 21:44	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 21:44	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/18/21 21:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 21:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/18/21 21:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/18/21 21:44	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/18/21 21:44	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/18/21 21:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/18/21 21:44	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		10/18/21 21:44	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/18/21 21:44	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-5 **Lab ID: 92567249005** Collected: 10/13/21 13:30 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/18/21 22:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 22:02	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/18/21 22:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 22:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 22:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 22:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/18/21 22:02	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 22:02	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 22:02	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/18/21 22:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 22:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/18/21 22:02	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/18/21 22:02	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/18/21 22:02	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/18/21 22:02	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/18/21 22:02	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		10/18/21 22:02	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		10/18/21 22:02	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-7 **Lab ID: 92567249006** Collected: 10/14/21 12:15 Received: 10/18/21 08:00 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	1830J	ug/L	2000	728	20		10/21/21 10:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	53.2	20		10/21/21 10:45	994-05-8	
Benzene	1340	ug/L	20.0	6.9	20		10/21/21 10:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	1040	20		10/21/21 10:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	536	20		10/21/21 10:45	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	588	20		10/21/21 10:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	20.0	6.4	20		10/21/21 10:45	107-06-2	
Diisopropyl ether	ND	ug/L	20.0	6.2	20		10/21/21 10:45	108-20-3	
Ethanol	ND	ug/L	4000	1440	20		10/21/21 10:45	64-17-5	
Ethylbenzene	592	ug/L	20.0	6.1	20		10/21/21 10:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	64.8	20		10/21/21 10:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	20.0	8.4	20		10/21/21 10:45	1634-04-4	
Naphthalene	118	ug/L	20.0	12.9	20		10/21/21 10:45	91-20-3	
Toluene	2810	ug/L	20.0	9.7	20		10/21/21 10:45	108-88-3	
Xylene (Total)	3160	ug/L	20.0	6.8	20		10/21/21 10:45	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		20		10/21/21 10:45	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		20		10/21/21 10:45	17060-07-0	
Toluene-d8 (S)	97	%	70-130		20		10/21/21 10:45	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-8 **Lab ID: 92567249007** Collected: 10/14/21 08:11 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/18/21 22:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 22:20	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/18/21 22:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 22:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 22:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 22:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/18/21 22:20	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 22:20	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 22:20	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/18/21 22:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 22:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/18/21 22:20	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/18/21 22:20	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/18/21 22:20	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/18/21 22:20	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/18/21 22:20	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		10/18/21 22:20	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/18/21 22:20	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-9 **Lab ID: 92567249008** Collected: 10/14/21 07:59 Received: 10/18/21 08:00 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		10/19/21 17:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 17:03	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 17:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 17:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 17:03	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 17:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 17:03	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 17:03	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 17:03	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 17:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 17:03	637-92-3	
Methyl-tert-butyl ether	2.1	ug/L	1.0	0.42	1		10/19/21 17:03	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 17:03	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 17:03	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 17:03	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/19/21 17:03	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		10/19/21 17:03	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		10/19/21 17:03	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-10 **Lab ID: 92567249009** Collected: 10/14/21 07:42 Received: 10/18/21 08:00 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		10/18/21 22:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 22:39	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/18/21 22:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 22:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 22:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 22:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/18/21 22:39	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 22:39	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 22:39	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/18/21 22:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 22:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/18/21 22:39	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/18/21 22:39	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/18/21 22:39	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/18/21 22:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/18/21 22:39	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		10/18/21 22:39	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/18/21 22:39	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-11 **Lab ID: 92567249010** Collected: 10/14/21 07:35 Received: 10/18/21 08:00 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		10/18/21 22:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 22:57	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/18/21 22:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 22:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 22:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 22:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/18/21 22:57	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 22:57	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 22:57	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/18/21 22:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 22:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/18/21 22:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/18/21 22:57	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/18/21 22:57	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/18/21 22:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/18/21 22:57	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		10/18/21 22:57	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/18/21 22:57	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-12 **Lab ID: 92567249011** Collected: 10/13/21 14:17 Received: 10/18/21 08:00 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	352J	ug/L	500	182	5		10/21/21 10:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	13.3	5		10/21/21 10:27	994-05-8	
Benzene	700	ug/L	5.0	1.7	5		10/21/21 10:27	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	500	260	5		10/21/21 10:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	134	5		10/21/21 10:27	75-65-0	
tert-Butyl Formate	ND	ug/L	250	147	5		10/21/21 10:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		10/21/21 10:27	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.5	5		10/21/21 10:27	108-20-3	
Ethanol	ND	ug/L	1000	361	5		10/21/21 10:27	64-17-5	
Ethylbenzene	127	ug/L	5.0	1.5	5		10/21/21 10:27	100-41-4	
Ethyl-tert-butyl ether	16.9J	ug/L	50.0	16.2	5		10/21/21 10:27	637-92-3	
Methyl-tert-butyl ether	7.2	ug/L	5.0	2.1	5		10/21/21 10:27	1634-04-4	
Naphthalene	9.1	ug/L	5.0	3.2	5		10/21/21 10:27	91-20-3	
Toluene	20.1	ug/L	5.0	2.4	5		10/21/21 10:27	108-88-3	
Xylene (Total)	16.9	ug/L	5.0	1.7	5		10/21/21 10:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		5		10/21/21 10:27	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		5		10/21/21 10:27	17060-07-0	
Toluene-d8 (S)	96	%	70-130		5		10/21/21 10:27	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-13 **Lab ID: 92567249012** Collected: 10/13/21 09:00 Received: 10/18/21 08:00 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	200	72.8	2		10/21/21 09:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	5.3	2		10/21/21 09:51	994-05-8	
Benzene	30.9	ug/L	2.0	0.69	2		10/21/21 09:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	104	2		10/21/21 09:51	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	53.6	2		10/21/21 09:51	75-65-0	
tert-Butyl Formate	ND	ug/L	100	58.8	2		10/21/21 09:51	762-75-4	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		10/21/21 09:51	107-06-2	
Diisopropyl ether	ND	ug/L	2.0	0.62	2		10/21/21 09:51	108-20-3	
Ethanol	ND	ug/L	400	144	2		10/21/21 09:51	64-17-5	
Ethylbenzene	113	ug/L	2.0	0.61	2		10/21/21 09:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	6.5	2		10/21/21 09:51	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		10/21/21 09:51	1634-04-4	
Naphthalene	45.7	ug/L	2.0	1.3	2		10/21/21 09:51	91-20-3	
Toluene	1.5J	ug/L	2.0	0.97	2		10/21/21 09:51	108-88-3	
Xylene (Total)	93.0	ug/L	2.0	0.68	2		10/21/21 09:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		2		10/21/21 09:51	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		2		10/21/21 09:51	17060-07-0	
Toluene-d8 (S)	100	%	70-130		2		10/21/21 09:51	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-14 **Lab ID: 92567249013** Collected: 10/13/21 15:06 Received: 10/18/21 08:00 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		10/19/21 01:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 01:04	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 01:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 01:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 01:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 01:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 01:04	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 01:04	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 01:04	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 01:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 01:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 01:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 01:04	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 01:04	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 01:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/19/21 01:04	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		10/19/21 01:04	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/19/21 01:04	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-15 **Lab ID: 92567249014** Collected: 10/13/21 12:15 Received: 10/18/21 08:00 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	1000	364	10		10/23/21 04:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	26.6	10		10/23/21 04:00	994-05-8	
Benzene	1110	ug/L	10.0	3.4	10		10/23/21 04:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	519	10		10/23/21 04:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	268	10		10/23/21 04:00	75-65-0	
tert-Butyl Formate	ND	ug/L	500	294	10		10/23/21 04:00	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	3.2	10		10/23/21 04:00	107-06-2	
Diisopropyl ether	ND	ug/L	10.0	3.1	10		10/23/21 04:00	108-20-3	
Ethanol	ND	ug/L	2000	722	10		10/23/21 04:00	64-17-5	
Ethylbenzene	280	ug/L	10.0	3.0	10		10/23/21 04:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	32.4	10		10/23/21 04:00	637-92-3	
Methyl-tert-butyl ether	4.3J	ug/L	10.0	4.2	10		10/23/21 04:00	1634-04-4	
Naphthalene	35.7	ug/L	10.0	6.4	10		10/23/21 04:00	91-20-3	
Toluene	1000	ug/L	10.0	4.8	10		10/23/21 04:00	108-88-3	
Xylene (Total)	1210	ug/L	10.0	3.4	10		10/23/21 04:00	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		10		10/23/21 04:00	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		10		10/23/21 04:00	17060-07-0	
Toluene-d8 (S)	105	%	70-130		10		10/23/21 04:00	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-16 **Lab ID: 92567249015** Collected: 10/13/21 14:36 Received: 10/18/21 08:00 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		10/19/21 01:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 01:22	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 01:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 01:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 01:22	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 01:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 01:22	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 01:22	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 01:22	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 01:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 01:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 01:22	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 01:22	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 01:22	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 01:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/19/21 01:22	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		10/19/21 01:22	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/19/21 01:22	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-17 **Lab ID: 92567249016** Collected: 10/13/21 14:36 Received: 10/18/21 08:00 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		10/19/21 01:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 01:40	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 01:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 01:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 01:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 01:40	762-75-4	P5
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 01:40	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 01:40	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 01:40	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 01:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 01:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 01:40	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 01:40	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 01:40	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 01:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/19/21 01:40	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		10/19/21 01:40	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		10/19/21 01:40	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-18 **Lab ID: 92567249017** Collected: 10/13/21 08:50 Received: 10/18/21 08:00 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		10/19/21 12:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 12:36	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 12:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 12:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 12:36	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 12:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 12:36	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 12:36	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 12:36	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 12:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 12:36	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 12:36	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 12:36	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 12:36	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 12:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		10/19/21 12:36	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1		10/19/21 12:36	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		10/19/21 12:36	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-19 **Lab ID: 92567249018** Collected: 10/13/21 08:30 Received: 10/18/21 08:00 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		10/19/21 12:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 12:54	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 12:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 12:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 12:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 12:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 12:54	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 12:54	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 12:54	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 12:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 12:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 12:54	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 12:54	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 12:54	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 12:54	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/19/21 12:54	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		1		10/19/21 12:54	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		10/19/21 12:54	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-20		Lab ID: 92567249019		Collected: 10/13/21 08:07	Received: 10/18/21 08:00	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		10/19/21 13:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 13:12	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 13:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 13:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 13:12	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 13:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 13:12	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 13:12	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 13:12	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 13:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 13:12	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 13:12	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 13:12	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 13:12	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 13:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/19/21 13:12	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		10/19/21 13:12	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		10/19/21 13:12	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-21 **Lab ID: 92567249020** Collected: 10/14/21 09:06 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/19/21 13:30	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 13:30	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 13:30	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 13:30	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 13:30	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 13:30	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 13:30	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 13:30	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 13:30	64-17-5	M1, R1
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 13:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 13:30	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 13:30	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 13:30	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 13:30	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 13:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/19/21 13:30	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		1		10/19/21 13:30	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		10/19/21 13:30	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-22 **Lab ID: 92567249021** Collected: 10/14/21 09:21 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/18/21 23:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 23:33	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/18/21 23:33	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 23:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 23:33	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 23:33	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/18/21 23:33	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 23:33	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 23:33	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/18/21 23:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 23:33	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/18/21 23:33	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/18/21 23:33	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/18/21 23:33	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/18/21 23:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/18/21 23:33	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		10/18/21 23:33	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/18/21 23:33	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-23 **Lab ID: 92567249022** Collected: 10/14/21 10:52 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/19/21 13:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 13:48	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 13:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 13:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 13:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 13:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 13:48	107-06-2	
Diisopropyl ether	0.41J	ug/L	1.0	0.31	1		10/19/21 13:48	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 13:48	64-17-5	
Ethylbenzene	0.64J	ug/L	1.0	0.30	1		10/19/21 13:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 13:48	637-92-3	
Methyl-tert-butyl ether	1.1	ug/L	1.0	0.42	1		10/19/21 13:48	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 13:48	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 13:48	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 13:48	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/19/21 13:48	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		10/19/21 13:48	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		10/19/21 13:48	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-24 **Lab ID: 92567249023** Collected: 10/15/21 09:59 Received: 10/18/21 08:00 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		10/19/21 14:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 14:05	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 14:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 14:05	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 14:05	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 14:05	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 14:05	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 14:05	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 14:05	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 14:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 14:05	637-92-3	
Methyl-tert-butyl ether	1.0J	ug/L	1.0	0.42	1		10/19/21 14:05	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 14:05	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 14:05	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 14:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/19/21 14:05	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		10/19/21 14:05	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		10/19/21 14:05	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-25 **Lab ID: 92567249024** Collected: 10/15/21 12:03 Received: 10/18/21 08:00 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		10/19/21 14:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 14:23	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 14:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 14:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 14:23	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 14:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 14:23	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 14:23	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 14:23	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 14:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 14:23	637-92-3	
Methyl-tert-butyl ether	1.1	ug/L	1.0	0.42	1		10/19/21 14:23	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 14:23	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 14:23	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 14:23	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/19/21 14:23	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1		10/19/21 14:23	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		10/19/21 14:23	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-26 **Lab ID: 92567249025** Collected: 10/14/21 11:14 Received: 10/18/21 08:00 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		10/19/21 14:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 14:41	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 14:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 14:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 14:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 14:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 14:41	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 14:41	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 14:41	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 14:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 14:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 14:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 14:41	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 14:41	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 14:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/19/21 14:41	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		10/19/21 14:41	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		10/19/21 14:41	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-27 **Lab ID: 92567249026** Collected: 10/14/21 12:17 Received: 10/18/21 08:00 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		10/18/21 23:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 23:15	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/18/21 23:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 23:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 23:15	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 23:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/18/21 23:15	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 23:15	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 23:15	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/18/21 23:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 23:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/18/21 23:15	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/18/21 23:15	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/18/21 23:15	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/18/21 23:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/18/21 23:15	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		10/18/21 23:15	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/18/21 23:15	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-28 **Lab ID: 92567249027** Collected: 10/15/21 11:47 Received: 10/18/21 08:00 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		10/19/21 14:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 14:59	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 14:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 14:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 14:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 14:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 14:59	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 14:59	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 14:59	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 14:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 14:59	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 14:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 14:59	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 14:59	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 14:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/19/21 14:59	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1		10/19/21 14:59	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		10/19/21 14:59	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-29 **Lab ID: 92567249028** Collected: 10/14/21 14:26 Received: 10/18/21 08:00 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	188	ug/L	100	36.4	1		10/19/21 15:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 15:17	994-05-8	
Benzene	1.7	ug/L	1.0	0.34	1		10/19/21 15:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 15:17	624-95-3	
tert-Butyl Alcohol	55.7J	ug/L	100	26.8	1		10/19/21 15:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 15:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 15:17	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 15:17	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 15:17	64-17-5	
Ethylbenzene	2.0	ug/L	1.0	0.30	1		10/19/21 15:17	100-41-4	
Ethyl-tert-butyl ether	7.4J	ug/L	10.0	3.2	1		10/19/21 15:17	637-92-3	
Methyl-tert-butyl ether	20.4	ug/L	1.0	0.42	1		10/19/21 15:17	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 15:17	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 15:17	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 15:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/19/21 15:17	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1		10/19/21 15:17	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		10/19/21 15:17	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-30 **Lab ID: 92567249029** Collected: 10/14/21 09:30 Received: 10/18/21 08:00 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		10/18/21 23:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 23:51	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/18/21 23:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 23:51	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 23:51	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 23:51	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/18/21 23:51	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 23:51	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 23:51	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/18/21 23:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 23:51	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/18/21 23:51	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/18/21 23:51	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/18/21 23:51	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/18/21 23:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/18/21 23:51	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		10/18/21 23:51	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/18/21 23:51	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-31 **Lab ID: 92567249030** Collected: 10/15/21 11:13 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/19/21 15:34	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 15:34	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 15:34	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 15:34	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 15:34	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 15:34	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 15:34	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 15:34	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 15:34	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 15:34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 15:34	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 15:34	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 15:34	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 15:34	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 15:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/19/21 15:34	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		10/19/21 15:34	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		10/19/21 15:34	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-32 **Lab ID: 92567249031** Collected: 10/13/21 14:21 Received: 10/18/21 08:00 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	655	ug/L	200	72.8	2		10/21/21 09:33	75-85-4	
tert-Amylmethyl ether	6.5J	ug/L	20.0	5.3	2		10/21/21 09:33	994-05-8	
Benzene	366	ug/L	2.0	0.69	2		10/21/21 09:33	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	104	2		10/21/21 09:33	624-95-3	
tert-Butyl Alcohol	137J	ug/L	200	53.6	2		10/21/21 09:33	75-65-0	
tert-Butyl Formate	ND	ug/L	100	58.8	2		10/21/21 09:33	762-75-4	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		10/21/21 09:33	107-06-2	
Diisopropyl ether	ND	ug/L	2.0	0.62	2		10/21/21 09:33	108-20-3	
Ethanol	ND	ug/L	400	144	2		10/21/21 09:33	64-17-5	
Ethylbenzene	4.4	ug/L	2.0	0.61	2		10/21/21 09:33	100-41-4	
Ethyl-tert-butyl ether	10.7J	ug/L	20.0	6.5	2		10/21/21 09:33	637-92-3	
Methyl-tert-butyl ether	8.5	ug/L	2.0	0.84	2		10/21/21 09:33	1634-04-4	
Naphthalene	ND	ug/L	2.0	1.3	2		10/21/21 09:33	91-20-3	
Toluene	1.5J	ug/L	2.0	0.97	2		10/21/21 09:33	108-88-3	
Xylene (Total)	13.6	ug/L	2.0	0.68	2		10/21/21 09:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		2		10/21/21 09:33	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		2		10/21/21 09:33	17060-07-0	
Toluene-d8 (S)	97	%	70-130		2		10/21/21 09:33	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-33 **Lab ID: 92567249032** Collected: 10/13/21 16:24 Received: 10/18/21 08:00 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	20000	7280	200		10/23/21 04:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		10/23/21 04:55	994-05-8	
Benzene	7020	ug/L	200	69.0	200		10/23/21 04:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		10/23/21 04:55	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		10/23/21 04:55	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		10/23/21 04:55	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		10/23/21 04:55	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		10/23/21 04:55	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		10/23/21 04:55	64-17-5	
Ethylbenzene	2090	ug/L	200	60.8	200		10/23/21 04:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		10/23/21 04:55	637-92-3	
Methyl-tert-butyl ether	140J	ug/L	200	84.4	200		10/23/21 04:55	1634-04-4	
Naphthalene	373	ug/L	200	129	200		10/23/21 04:55	91-20-3	
Toluene	24600	ug/L	200	97.0	200		10/23/21 04:55	108-88-3	
Xylene (Total)	15600	ug/L	200	67.6	200		10/23/21 04:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		200		10/23/21 04:55	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		200		10/23/21 04:55	17060-07-0	
Toluene-d8 (S)	104	%	70-130		200		10/23/21 04:55	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-34 **Lab ID: 92567249033** Collected: 10/15/21 15:10 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/19/21 00:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 00:28	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 00:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 00:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 00:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 00:28	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 00:28	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 00:28	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 00:28	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 00:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 00:28	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 00:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 00:28	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 00:28	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 00:28	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/19/21 00:28	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		10/19/21 00:28	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/19/21 00:28	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-35 **Lab ID: 92567249034** Collected: 10/14/21 14:53 Received: 10/18/21 08:00 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		10/19/21 00:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 00:09	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 00:09	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 00:09	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 00:09	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 00:09	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 00:09	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 00:09	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 00:09	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 00:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 00:09	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 00:09	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 00:09	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 00:09	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 00:09	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/19/21 00:09	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		10/19/21 00:09	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/19/21 00:09	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-36 **Lab ID: 92567249035** Collected: 10/14/21 09:31 Received: 10/18/21 08:00 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	120	ug/L	100	36.4	1		10/19/21 16:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 16:10	994-05-8	
Benzene	0.37J	ug/L	1.0	0.34	1		10/19/21 16:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 16:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 16:10	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 16:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 16:10	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 16:10	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 16:10	64-17-5	
Ethylbenzene	1.0	ug/L	1.0	0.30	1		10/19/21 16:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 16:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 16:10	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 16:10	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 16:10	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 16:10	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/19/21 16:10	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		1		10/19/21 16:10	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		10/19/21 16:10	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-MW-37 **Lab ID: 92567249036** Collected: 10/14/21 12:38 Received: 10/18/21 08:00 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		10/19/21 16:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 16:27	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/19/21 16:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 16:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/19/21 16:27	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 16:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 16:27	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/19/21 16:27	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 16:27	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/19/21 16:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/19/21 16:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/19/21 16:27	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 16:27	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 16:27	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 16:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		10/19/21 16:27	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		1		10/19/21 16:27	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		10/19/21 16:27	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-MW-38 **Lab ID: 92567249037** Collected: 10/14/21 14:41 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	143	ug/L	100	36.4	1		10/19/21 16:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/19/21 16:45	994-05-8	
Benzene	4.8	ug/L	1.0	0.34	1		10/19/21 16:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/19/21 16:45	624-95-3	
tert-Butyl Alcohol	86.7J	ug/L	100	26.8	1		10/19/21 16:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/19/21 16:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/19/21 16:45	107-06-2	
Diisopropyl ether	0.75J	ug/L	1.0	0.31	1		10/19/21 16:45	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/19/21 16:45	64-17-5	
Ethylbenzene	2.1	ug/L	1.0	0.30	1		10/19/21 16:45	100-41-4	
Ethyl-tert-butyl ether	8.8J	ug/L	10.0	3.2	1		10/19/21 16:45	637-92-3	
Methyl-tert-butyl ether	25.4	ug/L	1.0	0.42	1		10/19/21 16:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/19/21 16:45	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/19/21 16:45	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/19/21 16:45	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/19/21 16:45	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		10/19/21 16:45	17060-07-0	
Toluene-d8 (S)	93	%	70-130		1		10/19/21 16:45	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-DMW-1 **Lab ID: 92567249038** Collected: 10/13/21 15:58 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/20/21 02:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 02:19	994-05-8	
Benzene	0.76J	ug/L	1.0	0.34	1		10/20/21 02:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 02:19	624-95-3	v2
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 02:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 02:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 02:19	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 02:19	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 02:19	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 02:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 02:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 02:19	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 02:19	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 02:19	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 02:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/20/21 02:19	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		10/20/21 02:19	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/20/21 02:19	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-DMW-2 **Lab ID: 92567249039** Collected: 10/14/21 10:02 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/20/21 02:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 02:37	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 02:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 02:37	624-95-3	v2
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 02:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 02:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 02:37	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 02:37	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 02:37	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 02:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 02:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 02:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 02:37	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 02:37	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 02:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/20/21 02:37	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		10/20/21 02:37	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		10/20/21 02:37	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-DMW-3 **Lab ID: 92567249040** Collected: 10/15/21 10:44 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/20/21 02:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 02:55	994-05-8	
Benzene	0.48J	ug/L	1.0	0.34	1		10/20/21 02:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 02:55	624-95-3	v2
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 02:55	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 02:55	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 02:55	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 02:55	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 02:55	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 02:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 02:55	637-92-3	
Methyl-tert-butyl ether	1.6	ug/L	1.0	0.42	1		10/20/21 02:55	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 02:55	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 02:55	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 02:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/20/21 02:55	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		10/20/21 02:55	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/20/21 02:55	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-DMW-4 Lab ID: 92567249041 Collected: 10/15/21 09:40 Received: 10/18/21 08:00 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		10/20/21 03:13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 03:13	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 03:13	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 03:13	624-95-3	v2
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 03:13	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 03:13	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 03:13	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 03:13	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 03:13	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 03:13	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 03:13	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 03:13	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 03:13	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 03:13	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 03:13	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/20/21 03:13	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		10/20/21 03:13	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/20/21 03:13	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-DMW-5 **Lab ID: 92567249042** Collected: 10/15/21 15:29 Received: 10/18/21 08:00 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		10/20/21 03:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 03:31	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 03:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 03:31	624-95-3	v2
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 03:31	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 03:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 03:31	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 03:31	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 03:31	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 03:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 03:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 03:31	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 03:31	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 03:31	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 03:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/20/21 03:31	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		10/20/21 03:31	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		10/20/21 03:31	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-RW2		Lab ID: 92567249043		Collected: 10/13/21 16:09		Received: 10/18/21 08:00		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	1000000	364000	10000		10/22/21 15:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100000	26600	10000		10/22/21 15:33	994-05-8	
Benzene	14700	ug/L	10000	3450	10000		10/22/21 15:33	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000000	519000	10000		10/22/21 15:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000000	268000	10000		10/22/21 15:33	75-65-0	
tert-Butyl Formate	ND	ug/L	500000	294000	10000		10/22/21 15:33	762-75-4	
1,2-Dichloroethane	ND	ug/L	10000	3220	10000		10/22/21 15:33	107-06-2	
Diisopropyl ether	ND	ug/L	10000	3080	10000		10/22/21 15:33	108-20-3	
Ethanol	61100000	ug/L	2000000	722000	10000		10/22/21 15:33	64-17-5	
Ethylbenzene	3620J	ug/L	10000	3040	10000		10/22/21 15:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100000	32400	10000		10/22/21 15:33	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	10000	4220	10000		10/22/21 15:33	1634-04-4	
Naphthalene	ND	ug/L	10000	6450	10000		10/22/21 15:33	91-20-3	
Toluene	41400	ug/L	10000	4850	10000		10/22/21 15:33	108-88-3	
Xylene (Total)	18000	ug/L	10000	3380	10000		10/22/21 15:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		10000		10/22/21 15:33	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		10000		10/22/21 15:33	17060-07-0	
Toluene-d8 (S)	99	%	70-130		10000		10/22/21 15:33	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-RW3 **Lab ID: 92567249044** Collected: 10/13/21 14:52 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	13700	ug/L	12500	4550	125		10/22/21 14:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	332	125		10/22/21 14:57	994-05-8	
Benzene	8420	ug/L	125	43.1	125		10/22/21 14:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6490	125		10/22/21 14:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	3350	125		10/22/21 14:57	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3680	125		10/22/21 14:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	40.2	125		10/22/21 14:57	107-06-2	
Diisopropyl ether	ND	ug/L	125	38.5	125		10/22/21 14:57	108-20-3	
Ethanol	ND	ug/L	25000	9020	125		10/22/21 14:57	64-17-5	
Ethylbenzene	1760	ug/L	125	38.0	125		10/22/21 14:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	405	125		10/22/21 14:57	637-92-3	
Methyl-tert-butyl ether	198	ug/L	125	52.8	125		10/22/21 14:57	1634-04-4	
Naphthalene	403	ug/L	125	80.6	125		10/22/21 14:57	91-20-3	
Toluene	24900	ug/L	125	60.6	125		10/22/21 14:57	108-88-3	
Xylene (Total)	14700	ug/L	125	42.2	125		10/22/21 14:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		125		10/22/21 14:57	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		125		10/22/21 14:57	17060-07-0	
Toluene-d8 (S)	101	%	70-130		125		10/22/21 14:57	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-RW4 **Lab ID: 92567249045** Collected: 10/13/21 14:07 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	58.9J	ug/L	100	36.4	1		10/22/21 13:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/22/21 13:09	994-05-8	
Benzene	4.5	ug/L	1.0	0.34	1		10/22/21 13:09	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/22/21 13:09	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/22/21 13:09	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/22/21 13:09	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/22/21 13:09	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/22/21 13:09	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/22/21 13:09	64-17-5	
Ethylbenzene	0.56J	ug/L	1.0	0.30	1		10/22/21 13:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/22/21 13:09	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/22/21 13:09	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/22/21 13:09	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/22/21 13:09	108-88-3	
Xylene (Total)	0.74J	ug/L	1.0	0.34	1		10/22/21 13:09	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/22/21 13:09	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		10/22/21 13:09	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		10/22/21 13:09	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-RW8 **Lab ID: 92567249046** Collected: 10/14/21 10:29 Received: 10/18/21 08:00 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	2360	ug/L	2000	728	20		10/22/21 14:21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	53.2	20		10/22/21 14:21	994-05-8	
Benzene	878	ug/L	20.0	6.9	20		10/22/21 14:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	1040	20		10/22/21 14:21	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	536	20		10/22/21 14:21	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	588	20		10/22/21 14:21	762-75-4	
1,2-Dichloroethane	ND	ug/L	20.0	6.4	20		10/22/21 14:21	107-06-2	
Diisopropyl ether	ND	ug/L	20.0	6.2	20		10/22/21 14:21	108-20-3	
Ethanol	ND	ug/L	4000	1440	20		10/22/21 14:21	64-17-5	
Ethylbenzene	529	ug/L	20.0	6.1	20		10/22/21 14:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	64.8	20		10/22/21 14:21	637-92-3	
Methyl-tert-butyl ether	25.2	ug/L	20.0	8.4	20		10/22/21 14:21	1634-04-4	
Naphthalene	168	ug/L	20.0	12.9	20		10/22/21 14:21	91-20-3	
Toluene	1970	ug/L	20.0	9.7	20		10/22/21 14:21	108-88-3	
Xylene (Total)	2680	ug/L	20.0	6.8	20		10/22/21 14:21	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		20		10/22/21 14:21	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		20		10/22/21 14:21	17060-07-0	
Toluene-d8 (S)	102	%	70-130		20		10/22/21 14:21	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-RW12 **Lab ID: 92567249047** Collected: 10/15/21 09:15 Received: 10/18/21 08:00 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	2940	ug/L	2000	728	20		10/22/21 14:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	53.2	20		10/22/21 14:39	994-05-8	
Benzene	2040	ug/L	20.0	6.9	20		10/22/21 14:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	1040	20		10/22/21 14:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	536	20		10/22/21 14:39	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	588	20		10/22/21 14:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	20.0	6.4	20		10/22/21 14:39	107-06-2	
Diisopropyl ether	ND	ug/L	20.0	6.2	20		10/22/21 14:39	108-20-3	
Ethanol	ND	ug/L	4000	1440	20		10/22/21 14:39	64-17-5	
Ethylbenzene	241	ug/L	20.0	6.1	20		10/22/21 14:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	64.8	20		10/22/21 14:39	637-92-3	
Methyl-tert-butyl ether	77.3	ug/L	20.0	8.4	20		10/22/21 14:39	1634-04-4	
Naphthalene	61.0	ug/L	20.0	12.9	20		10/22/21 14:39	91-20-3	
Toluene	2390	ug/L	20.0	9.7	20		10/22/21 14:39	108-88-3	
Xylene (Total)	2160	ug/L	20.0	6.8	20		10/22/21 14:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		20		10/22/21 14:39	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		20		10/22/21 14:39	17060-07-0	
Toluene-d8 (S)	97	%	70-130		20		10/22/21 14:39	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-DUP **Lab ID: 92567249048** Collected: 10/13/21 16:26 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	12500	4550	125		10/22/21 15:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	332	125		10/22/21 15:15	994-05-8	
Benzene	5910	ug/L	125	43.1	125		10/22/21 15:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6490	125		10/22/21 15:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	3350	125		10/22/21 15:15	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3680	125		10/22/21 15:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	40.2	125		10/22/21 15:15	107-06-2	
Diisopropyl ether	ND	ug/L	125	38.5	125		10/22/21 15:15	108-20-3	
Ethanol	ND	ug/L	25000	9020	125		10/22/21 15:15	64-17-5	
Ethylbenzene	1740	ug/L	125	38.0	125		10/22/21 15:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	405	125		10/22/21 15:15	637-92-3	
Methyl-tert-butyl ether	156	ug/L	125	52.8	125		10/22/21 15:15	1634-04-4	
Naphthalene	354	ug/L	125	80.6	125		10/22/21 15:15	91-20-3	
Toluene	21600	ug/L	125	60.6	125		10/22/21 15:15	108-88-3	
Xylene (Total)	13000	ug/L	125	42.2	125		10/22/21 15:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		125		10/22/21 15:15	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		125		10/22/21 15:15	17060-07-0	
Toluene-d8 (S)	100	%	70-130		125		10/22/21 15:15	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-FB1 **Lab ID: 92567249049** Collected: 10/13/21 17:10 Received: 10/18/21 08:00 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		10/20/21 01:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 01:24	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 01:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 01:24	624-95-3	v2
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 01:24	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 01:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 01:24	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 01:24	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 01:24	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 01:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 01:24	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 01:24	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 01:24	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 01:24	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 01:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/20/21 01:24	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		10/20/21 01:24	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/20/21 01:24	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-FB2 **Lab ID: 92567249050** Collected: 10/14/21 14:59 Received: 10/18/21 08:00 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		10/20/21 01:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 01:42	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 01:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 01:42	624-95-3	v2
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 01:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 01:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 01:42	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 01:42	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 01:42	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 01:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 01:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 01:42	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 01:42	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 01:42	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 01:42	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/20/21 01:42	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		10/20/21 01:42	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/20/21 01:42	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-FB3 **Lab ID: 92567249051** Collected: 10/15/21 16:20 Received: 10/18/21 08:00 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		10/20/21 02:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 02:00	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 02:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 02:00	624-95-3	v2
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 02:00	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 02:00	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 02:00	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 02:00	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 02:00	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 02:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 02:00	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 02:00	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 02:00	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 02:00	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 02:00	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/20/21 02:00	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		10/20/21 02:00	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/20/21 02:00	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-SW1 **Lab ID: 92567249052** Collected: 10/14/21 08:45 Received: 10/18/21 08:00 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		10/20/21 11:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 11:25	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 11:25	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 11:25	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 11:25	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 11:25	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 11:25	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 11:25	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 11:25	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 11:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 11:25	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 11:25	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 11:25	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 11:25	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 11:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/20/21 11:25	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130		1		10/20/21 11:25	17060-07-0	
Toluene-d8 (S)	93	%	70-130		1		10/20/21 11:25	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-SW2 **Lab ID: 92567249053** Collected: 10/12/21 14:45 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/20/21 11:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 11:43	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 11:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 11:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 11:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 11:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 11:43	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 11:43	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 11:43	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 11:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 11:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 11:43	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 11:43	91-20-3	C8
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 11:43	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 11:43	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/20/21 11:43	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		1		10/20/21 11:43	17060-07-0	
Toluene-d8 (S)	93	%	70-130		1		10/20/21 11:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-SW3 **Lab ID: 92567249054** Collected: 10/12/21 16:45 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/20/21 12:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 12:01	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 12:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 12:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 12:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 12:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 12:01	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 12:01	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 12:01	64-17-5	v3
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 12:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 12:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 12:01	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 12:01	91-20-3	M1
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 12:01	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 12:01	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/20/21 12:01	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		10/20/21 12:01	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		10/20/21 12:01	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-SW4 **Lab ID: 92567249055** Collected: 10/12/21 16:30 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/20/21 12:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 12:19	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 12:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 12:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 12:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 12:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 12:19	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 12:19	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 12:19	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 12:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 12:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 12:19	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 12:19	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 12:19	108-88-3	
Xylene (Total)	1.4	ug/L	1.0	0.34	1		10/20/21 12:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/20/21 12:19	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1		10/20/21 12:19	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		10/20/21 12:19	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: 01589-SW6 **Lab ID: 92567249056** Collected: 10/12/21 14:20 Received: 10/18/21 08:00 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		10/20/21 12:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 12:37	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 12:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 12:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 12:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 12:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 12:37	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 12:37	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 12:37	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 12:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 12:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 12:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 12:37	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 12:37	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 12:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/20/21 12:37	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		1		10/20/21 12:37	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		10/20/21 12:37	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-SW7 **Lab ID: 92567249057** Collected: 10/14/21 11:45 Received: 10/18/21 08:00 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		10/20/21 05:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 05:17	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 05:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 05:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 05:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 05:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 05:17	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 05:17	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 05:17	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 05:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 05:17	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 05:17	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 05:17	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 05:17	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 05:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/20/21 05:17	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		10/20/21 05:17	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/20/21 05:17	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-SW8 **Lab ID: 92567249058** Collected: 10/14/21 11:40 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/20/21 04:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 04:40	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 04:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 04:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 04:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 04:40	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 04:40	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 04:40	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 04:40	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 04:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 04:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 04:40	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 04:40	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 04:40	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 04:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/20/21 04:40	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		10/20/21 04:40	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		10/20/21 04:40	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886

Pace Project No.: 92567249

Sample: 01589-SW9 **Lab ID: 92567249059** Collected: 10/14/21 11:30 Received: 10/18/21 08:00 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		10/20/21 04:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/20/21 04:59	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/20/21 04:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/20/21 04:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/20/21 04:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/20/21 04:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/20/21 04:59	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/20/21 04:59	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/20/21 04:59	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/20/21 04:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/20/21 04:59	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/20/21 04:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/20/21 04:59	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/20/21 04:59	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/20/21 04:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/20/21 04:59	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		10/20/21 04:59	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/20/21 04:59	2037-26-5	

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ANALYTICAL RESULTS

Project: CK2720886
Pace Project No.: 92567249

Sample: TRIP BLANK Lab ID: 92567249060 Collected: 10/12/21 00:00 Received: 10/18/21 08:00 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		10/18/21 20:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 20:31	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 20:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 20:31	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 20:31	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 20:31	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 20:31	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 20:31	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/18/21 20:31	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		10/18/21 20:31	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/18/21 20:31	2037-26-5	

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QUALITY CONTROL DATA

Project: CK2720886
Pace Project No.: 92567249

QC Batch:	653593	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV Low Level SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92567249003, 92567249004, 92567249005, 92567249007, 92567249009, 92567249010, 92567249013, 92567249015, 92567249016, 92567249021, 92567249026, 92567249029, 92567249033, 92567249034, 92567249060

METHOD BLANK: 3427220 Matrix: Water
Associated Lab Samples: 92567249003, 92567249004, 92567249005, 92567249007, 92567249009, 92567249010, 92567249013, 92567249015, 92567249016, 92567249021, 92567249026, 92567249029, 92567249033, 92567249034, 92567249060

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/18/21 19:37	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/18/21 19:37	
Benzene	ug/L	ND	1.0	0.34	10/18/21 19:37	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/18/21 19:37	
Ethanol	ug/L	ND	200	72.2	10/18/21 19:37	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/18/21 19:37	
Ethylbenzene	ug/L	ND	1.0	0.30	10/18/21 19:37	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/18/21 19:37	
Naphthalene	ug/L	ND	1.0	0.64	10/18/21 19:37	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/18/21 19:37	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/18/21 19:37	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/18/21 19:37	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/18/21 19:37	
Toluene	ug/L	ND	1.0	0.48	10/18/21 19:37	
Xylene (Total)	ug/L	ND	1.0	0.34	10/18/21 19:37	
1,2-Dichloroethane-d4 (S)	%	109	70-130		10/18/21 19:37	
4-Bromofluorobenzene (S)	%	101	70-130		10/18/21 19:37	
Toluene-d8 (S)	%	107	70-130		10/18/21 19:37	

LABORATORY CONTROL SAMPLE: 3427221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	51.0	102	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1080	108	70-130	
Benzene	ug/L	50	48.2	96	70-130	
Diisopropyl ether	ug/L	50	50.9	102	70-130	
Ethanol	ug/L	2000	2330	117	70-130	
Ethyl-tert-butyl ether	ug/L	100	105	105	70-130	
Ethylbenzene	ug/L	50	49.7	99	70-130	
Methyl-tert-butyl ether	ug/L	50	48.5	97	70-130	
Naphthalene	ug/L	50	51.8	104	70-130	
tert-Amyl Alcohol	ug/L	1000	1120	112	70-130	
tert-Amylmethyl ether	ug/L	100	102	102	70-130	
tert-Butyl Alcohol	ug/L	500	541	108	70-130	
tert-Butyl Formate	ug/L	400	422	105	70-130	

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

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QUALITY CONTROL DATA

Project: CK2720886
Pace Project No.: 92567249

LABORATORY CONTROL SAMPLE: 3427221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	48.6	97	70-130	
Xylene (Total)	ug/L	150	152	101	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3427222 3427223

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92567249016 Result	Spike Conc.	Spike Conc.	Conc.								
1,2-Dichloroethane	ug/L	ND	20	20	22.9	21.8	114	109	70-137	5	30		
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	472	429	118	107	39-157	10	30		
Benzene	ug/L	ND	20	20	22.4	21.6	112	108	70-151	4	30		
Diisopropyl ether	ug/L	ND	20	20	22.2	20.9	111	104	63-144	6	30		
Ethanol	ug/L	ND	800	800	1070	971	133	121	39-176	9	30		
Ethyl-tert-butyl ether	ug/L	ND	40	40	45.3	43.8	113	109	66-137	4	30		
Ethylbenzene	ug/L	ND	20	20	23.1	21.9	116	110	66-153	5	30		
Methyl-tert-butyl ether	ug/L	ND	20	20	22.1	21.2	110	106	54-156	4	30		
Naphthalene	ug/L	ND	20	20	22.4	21.1	112	105	61-148	6	30		
tert-Amyl Alcohol	ug/L	ND	400	400	502	468	126	117	54-153	7	30		
tert-Amylmethyl ether	ug/L	ND	40	40	43.5	41.9	109	105	69-139	4	30		
tert-Butyl Alcohol	ug/L	ND	200	200	376	348	188	174	43-188	8	30		
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	8	7	10-170		30	P5	
Toluene	ug/L	ND	20	20	23.0	21.9	115	110	59-148	5	30		
Xylene (Total)	ug/L	ND	60	60	69.1	65.0	115	108	63-158	6	30		
1,2-Dichloroethane-d4 (S)	%						102	101	70-130				
4-Bromofluorobenzene (S)	%						100	99	70-130				
Toluene-d8 (S)	%						100	101	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CK2720886
Pace Project No.: 92567249

QC Batch:	653597	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV Low Level SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92567249008, 92567249017, 92567249018, 92567249019, 92567249020, 92567249022, 92567249023, 92567249024, 92567249025, 92567249027, 92567249028, 92567249030, 92567249035, 92567249036, 92567249037

METHOD BLANK: 3427232 Matrix: Water
Associated Lab Samples: 92567249008, 92567249017, 92567249018, 92567249019, 92567249020, 92567249022, 92567249023, 92567249024, 92567249025, 92567249027, 92567249028, 92567249030, 92567249035, 92567249036, 92567249037

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/19/21 12:19	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/19/21 12:19	
Benzene	ug/L	ND	1.0	0.34	10/19/21 12:19	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/19/21 12:19	
Ethanol	ug/L	ND	200	72.2	10/19/21 12:19	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/19/21 12:19	
Ethylbenzene	ug/L	ND	1.0	0.30	10/19/21 12:19	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/19/21 12:19	
Naphthalene	ug/L	ND	1.0	0.64	10/19/21 12:19	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/19/21 12:19	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/19/21 12:19	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/19/21 12:19	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/19/21 12:19	
Toluene	ug/L	ND	1.0	0.48	10/19/21 12:19	
Xylene (Total)	ug/L	ND	1.0	0.34	10/19/21 12:19	
1,2-Dichloroethane-d4 (S)	%	88	70-130		10/19/21 12:19	
4-Bromofluorobenzene (S)	%	98	70-130		10/19/21 12:19	
Toluene-d8 (S)	%	95	70-130		10/19/21 12:19	

LABORATORY CONTROL SAMPLE: 3427233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	46.3	93	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1000	100	70-130	
Benzene	ug/L	50	47.6	95	70-130	
Diisopropyl ether	ug/L	50	48.3	97	70-130	
Ethanol	ug/L	2000	1620	81	70-130	
Ethyl-tert-butyl ether	ug/L	100	95.8	96	70-130	
Ethylbenzene	ug/L	50	52.7	105	70-130	
Methyl-tert-butyl ether	ug/L	50	47.7	95	70-130	
Naphthalene	ug/L	50	56.5	113	70-130	
tert-Amyl Alcohol	ug/L	1000	1050	105	70-130	
tert-Amylmethyl ether	ug/L	100	96.2	96	70-130	
tert-Butyl Alcohol	ug/L	500	491	98	70-130	
tert-Butyl Formate	ug/L	400	374	94	70-130	

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QUALITY CONTROL DATA

Project: CK2720886

Pace Project No.: 92567249

LABORATORY CONTROL SAMPLE: 3427233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	48.4	97	70-130	
Xylene (Total)	ug/L	150	162	108	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			91	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3427234 3427235

Parameter	Units	MS 92567249020		MSD 3427235		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,2-Dichloroethane	ug/L	ND	20	20	21.5	22.8	108	114	70-137	6	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	394	407	98	102	39-157	3	30	
Benzene	ug/L	ND	20	20	22.5	23.0	113	115	70-151	2	30	
Diisopropyl ether	ug/L	ND	20	20	21.4	22.0	107	110	63-144	2	30	
Ethanol	ug/L	ND	800	800	9880	1480	1230	184	39-176	148	30	E,M1, R1
Ethyl-tert-butyl ether	ug/L	ND	40	40	43.1	43.7	108	109	66-137	1	30	
Ethylbenzene	ug/L	ND	20	20	20.2	20.9	101	105	66-153	4	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	21.4	21.8	107	109	54-156	2	30	
Naphthalene	ug/L	ND	20	20	18.9	20.0	94	100	61-148	6	30	
tert-Amyl Alcohol	ug/L	ND	400	400	416	416	104	104	54-153	0	30	
tert-Amylmethyl ether	ug/L	ND	40	40	43.2	43.2	108	108	69-139	0	30	
tert-Butyl Alcohol	ug/L	ND	200	200	297	310	148	155	43-188	4	30	
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	12	11	10-170		30	
Toluene	ug/L	ND	20	20	21.6	21.8	108	109	59-148	1	30	
Xylene (Total)	ug/L	ND	60	60	60.2	62.8	100	105	63-158	4	30	
1,2-Dichloroethane-d4 (S)	%						98	101	70-130			
4-Bromofluorobenzene (S)	%						101	101	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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QUALITY CONTROL DATA

Project: CK2720886
Pace Project No.: 92567249

QC Batch: 653852 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92567249057, 92567249058, 92567249059

METHOD BLANK: 3428568 Matrix: Water

Associated Lab Samples: 92567249057, 92567249058, 92567249059

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/20/21 01:57	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/20/21 01:57	
Benzene	ug/L	ND	1.0	0.34	10/20/21 01:57	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/20/21 01:57	
Ethanol	ug/L	ND	200	72.2	10/20/21 01:57	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/20/21 01:57	
Ethylbenzene	ug/L	ND	1.0	0.30	10/20/21 01:57	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/20/21 01:57	
Naphthalene	ug/L	ND	1.0	0.64	10/20/21 01:57	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/20/21 01:57	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/20/21 01:57	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/20/21 01:57	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/20/21 01:57	
Toluene	ug/L	ND	1.0	0.48	10/20/21 01:57	
Xylene (Total)	ug/L	ND	1.0	0.34	10/20/21 01:57	
1,2-Dichloroethane-d4 (S)	%	104	70-130		10/20/21 01:57	
4-Bromofluorobenzene (S)	%	100	70-130		10/20/21 01:57	
Toluene-d8 (S)	%	104	70-130		10/20/21 01:57	

LABORATORY CONTROL SAMPLE: 3428569

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	52.6	105	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1070	107	70-130	
Benzene	ug/L	50	49.7	99	70-130	
Diisopropyl ether	ug/L	50	53.4	107	70-130	
Ethanol	ug/L	2000	2390	119	70-130	
Ethyl-tert-butyl ether	ug/L	100	110	110	70-130	
Ethylbenzene	ug/L	50	51.3	103	70-130	
Methyl-tert-butyl ether	ug/L	50	50.5	101	70-130	
Naphthalene	ug/L	50	53.0	106	70-130	
tert-Amyl Alcohol	ug/L	1000	1130	113	70-130	
tert-Amylmethyl ether	ug/L	100	108	108	70-130	
tert-Butyl Alcohol	ug/L	500	562	112	70-130	
tert-Butyl Formate	ug/L	400	429	107	70-130	
Toluene	ug/L	50	49.9	100	70-130	
Xylene (Total)	ug/L	150	157	104	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: CK2720886

Pace Project No.: 92567249

LABORATORY CONTROL SAMPLE: 3428569

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3428570 3428571

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92567289023 Result	Spike Conc.	Spike Conc.	MS Result						
1,2-Dichloroethane	ug/L	<0.32	20	20	21.9	21.0	109	105	70-137	4	30
3,3-Dimethyl-1-Butanol	ug/L	<51.9	400	400	430	414	108	103	39-157	4	30
Benzene	ug/L	<0.34	20	20	21.0	20.0	105	100	70-151	5	30
Diisopropyl ether	ug/L	<0.31	20	20	21.2	20.2	106	101	63-144	5	30
Ethanol	ug/L	<72.2	800	800	970	982	121	123	39-176	1	30
Ethyl-tert-butyl ether	ug/L	<3.2	40	40	42.4	40.8	106	102	66-137	4	30
Ethylbenzene	ug/L	<0.30	20	20	21.7	20.4	108	102	66-153	6	30
Methyl-tert-butyl ether	ug/L	<0.42	20	20	19.9	19.2	100	96	54-156	4	30
Naphthalene	ug/L	<0.64	20	20	20.1	19.7	101	99	61-148	2	30
tert-Amyl Alcohol	ug/L	<36.4	400	400	467	454	117	114	54-153	3	30
tert-Amylmethyl ether	ug/L	<2.7	40	40	41.1	39.5	103	99	69-139	4	30
tert-Butyl Alcohol	ug/L	<26.8	200	200	350	344	175	172	43-188	2	30
tert-Butyl Formate	ug/L	<29.4	160	160	ND	ND	0	0	10-170		30 P5
Toluene	ug/L	<0.48	20	20	21.4	20.1	107	101	59-148	6	30
Xylene (Total)	ug/L	<0.34	60	60	63.0	60.8	105	101	63-158	4	30
1,2-Dichloroethane-d4 (S)	%						108	111	70-130		
4-Bromofluorobenzene (S)	%						103	102	70-130		
Toluene-d8 (S)	%						102	102	70-130		

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QUALITY CONTROL DATA

Project: CK2720886
Pace Project No.: 92567249

LABORATORY CONTROL SAMPLE: 3428594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3428595 3428596

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92567249038 Result	Spike Conc.	Spike Conc.	Result								
1,2-Dichloroethane	ug/L	ND	20	20	25.2	22.1	126	111	70-137	13	30		
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	459	397	115	99	39-157	14	30		
Benzene	ug/L	0.76J	20	20	26.9	25.0	131	121	70-151	7	30		
Diisopropyl ether	ug/L	ND	20	20	25.8	22.7	129	113	63-144	13	30		
Ethanol	ug/L	ND	800	800	1130	1090	142	137	39-176	3	30		
Ethyl-tert-butyl ether	ug/L	ND	40	40	52.7	47.2	132	118	66-137	11	30		
Ethylbenzene	ug/L	ND	20	20	26.6	24.6	133	123	66-153	8	30		
Methyl-tert-butyl ether	ug/L	ND	20	20	26.7	22.9	133	114	54-156	15	30		
Naphthalene	ug/L	ND	20	20	25.3	22.5	127	113	61-148	12	30		
tert-Amyl Alcohol	ug/L	ND	400	400	484	434	121	108	54-153	11	30		
tert-Amylmethyl ether	ug/L	ND	40	40	49.0	43.2	123	108	69-139	13	30		
tert-Butyl Alcohol	ug/L	ND	200	200	311	269	155	134	43-188	14	30		
tert-Butyl Formate	ug/L	ND	160	160	128	110	80	69	10-170	15	30		
Toluene	ug/L	ND	20	20	25.4	23.5	127	117	59-148	8	30		
Xylene (Total)	ug/L	ND	60	60	78.4	72.8	131	121	63-158	7	30		
1,2-Dichloroethane-d4 (S)	%						103	101	70-130				
4-Bromofluorobenzene (S)	%						100	102	70-130				
Toluene-d8 (S)	%						98	99	70-130				

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QUALITY CONTROL DATA

Project: CK2720886
Pace Project No.: 92567249

QC Batch: 654035 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92567249052, 92567249053, 92567249054, 92567249055, 92567249056

METHOD BLANK: 3429295 Matrix: Water
Associated Lab Samples: 92567249052, 92567249053, 92567249054, 92567249055, 92567249056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/20/21 11:08	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/20/21 11:08	
Benzene	ug/L	ND	1.0	0.34	10/20/21 11:08	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/20/21 11:08	
Ethanol	ug/L	ND	200	72.2	10/20/21 11:08	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/20/21 11:08	
Ethylbenzene	ug/L	ND	1.0	0.30	10/20/21 11:08	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/20/21 11:08	
Naphthalene	ug/L	ND	1.0	0.64	10/20/21 11:08	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/20/21 11:08	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/20/21 11:08	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/20/21 11:08	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/20/21 11:08	
Toluene	ug/L	ND	1.0	0.48	10/20/21 11:08	
Xylene (Total)	ug/L	ND	1.0	0.34	10/20/21 11:08	
1,2-Dichloroethane-d4 (S)	%	86	70-130		10/20/21 11:08	
4-Bromofluorobenzene (S)	%	97	70-130		10/20/21 11:08	
Toluene-d8 (S)	%	95	70-130		10/20/21 11:08	

LABORATORY CONTROL SAMPLE: 3429296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	47.2	94	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1040	104	70-130	
Benzene	ug/L	50	48.3	97	70-130	
Diisopropyl ether	ug/L	50	49.0	98	70-130	
Ethanol	ug/L	2000	1750	88	70-130	
Ethyl-tert-butyl ether	ug/L	100	98.8	99	70-130	
Ethylbenzene	ug/L	50	53.1	106	70-130	
Methyl-tert-butyl ether	ug/L	50	50.1	100	70-130	
Naphthalene	ug/L	50	59.4	119	70-130	
tert-Amyl Alcohol	ug/L	1000	1090	109	70-130	
tert-Amylmethyl ether	ug/L	100	101	101	70-130	
tert-Butyl Alcohol	ug/L	500	513	103	70-130	
tert-Butyl Formate	ug/L	400	394	99	70-130	
Toluene	ug/L	50	49.3	99	70-130	
Xylene (Total)	ug/L	150	164	109	70-130	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: CK2720886
Pace Project No.: 92567249

LABORATORY CONTROL SAMPLE: 3429296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			90	70-130	

MATRIX SPIKE SAMPLE: 3429297

Parameter	Units	92567249054 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	18.0	90	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	354	89	39-157	
Benzene	ug/L	ND	20	18.6	93	70-151	
Diisopropyl ether	ug/L	ND	20	16.9	84	63-144	
Ethanol	ug/L	ND	800	601	75	39-176	v3
Ethyl-tert-butyl ether	ug/L	ND	40	34.1	85	66-137	
Ethylbenzene	ug/L	ND	20	20.7	103	66-153	
Methyl-tert-butyl ether	ug/L	ND	20	17.9	88	54-156	
Naphthalene	ug/L	ND	20	289	1450	61-148	E,M1
tert-Amyl Alcohol	ug/L	ND	400	374	94	54-153	
tert-Amylmethyl ether	ug/L	ND	40	36.2	91	69-139	
tert-Butyl Alcohol	ug/L	ND	200	176	88	43-188	
tert-Butyl Formate	ug/L	ND	160	121	75	10-170	
Toluene	ug/L	ND	20	19.5	98	59-148	
Xylene (Total)	ug/L	ND	60	64.1	107	63-158	
1,2-Dichloroethane-d4 (S)	%				84	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				89	70-130	

SAMPLE DUPLICATE: 3431141

Parameter	Units	92567249053 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	v2
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	2.0		30	C8
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	87	86			
4-Bromofluorobenzene (S)	%	97	97			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CK2720886
Pace Project No.: 92567249

SAMPLE DUPLICATE: 3431141

Parameter	Units	92567249053 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene-d8 (S)	%	93	94			

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QUALITY CONTROL DATA

Project: CK2720886
Pace Project No.: 92567249

QC Batch: 654113 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92567249001, 92567249002, 92567249006, 92567249011, 92567249012, 92567249031

METHOD BLANK: 3429679 Matrix: Water
Associated Lab Samples: 92567249001, 92567249002, 92567249006, 92567249011, 92567249012, 92567249031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/21/21 05:19	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/21/21 05:19	
Benzene	ug/L	ND	1.0	0.34	10/21/21 05:19	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/21/21 05:19	
Ethanol	ug/L	ND	200	72.2	10/21/21 05:19	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/21/21 05:19	
Ethylbenzene	ug/L	ND	1.0	0.30	10/21/21 05:19	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/21/21 05:19	
Naphthalene	ug/L	ND	1.0	0.64	10/21/21 05:19	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/21/21 05:19	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/21/21 05:19	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/21/21 05:19	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/21/21 05:19	
Toluene	ug/L	ND	1.0	0.48	10/21/21 05:19	
Xylene (Total)	ug/L	ND	1.0	0.34	10/21/21 05:19	
1,2-Dichloroethane-d4 (S)	%	93	70-130		10/21/21 05:19	
4-Bromofluorobenzene (S)	%	99	70-130		10/21/21 05:19	
Toluene-d8 (S)	%	99	70-130		10/21/21 05:19	

LABORATORY CONTROL SAMPLE: 3429680

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	46.8	94	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1150	115	70-130	
Benzene	ug/L	50	51.0	102	70-130	
Diisopropyl ether	ug/L	50	46.3	93	70-130	
Ethanol	ug/L	2000	1780	89	70-130	
Ethyl-tert-butyl ether	ug/L	100	97.9	98	70-130	
Ethylbenzene	ug/L	50	54.8	110	70-130	
Methyl-tert-butyl ether	ug/L	50	48.2	96	70-130	
Naphthalene	ug/L	50	57.2	114	70-130	
tert-Amyl Alcohol	ug/L	1000	1050	105	70-130	
tert-Amylmethyl ether	ug/L	100	103	103	70-130	
tert-Butyl Alcohol	ug/L	500	485	97	70-130	
tert-Butyl Formate	ug/L	400	388	97	70-130	
Toluene	ug/L	50	51.2	102	70-130	
Xylene (Total)	ug/L	150	163	109	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: CK2720886

Pace Project No.: 92567249

LABORATORY CONTROL SAMPLE: 3429680

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3429681 3429682

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92567249011 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,2-Dichloroethane	ug/L	ND	100	100	106	113	106	113	70-137	6	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	2000	2000	2270	2600	114	130	39-157	13	30	
Benzene	ug/L	700	100	100	816	855	116	155	70-151	5	30	M1
Diisopropyl ether	ug/L	ND	100	100	107	112	107	112	63-144	5	30	
Ethanol	ug/L	ND	4000	4000	3940	4330	98	108	39-176	9	30	
Ethyl-tert-butyl ether	ug/L	16.9J	200	200	243	252	113	118	66-137	4	30	
Ethylbenzene	ug/L	127	100	100	252	263	124	136	66-153	5	30	
Methyl-tert-butyl ether	ug/L	7.2	100	100	116	124	109	117	54-156	7	30	
Naphthalene	ug/L	9.1	100	100	139	144	129	135	61-148	4	30	
tert-Amyl Alcohol	ug/L	352J	2000	2000	2590	2800	112	123	54-153	8	30	
tert-Amylmethyl ether	ug/L	ND	200	200	235	245	118	122	69-139	4	30	
tert-Butyl Alcohol	ug/L	ND	1000	1000	1110	1250	111	125	43-188	12	30	
tert-Butyl Formate	ug/L	ND	800	800	651	660	81	82	10-170	1	30	
Toluene	ug/L	20.1	100	100	139	147	119	127	59-148	5	30	
Xylene (Total)	ug/L	16.9	300	300	393	411	125	131	63-158	4	30	
1,2-Dichloroethane-d4 (S)	%						91	91	70-130			
4-Bromofluorobenzene (S)	%						97	98	70-130			
Toluene-d8 (S)	%						97	98	70-130			

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QUALITY CONTROL DATA

Project: CK2720886
Pace Project No.: 92567249

QC Batch: 654448 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92567249043, 92567249044, 92567249045, 92567249046, 92567249047, 92567249048

METHOD BLANK: 3431597 Matrix: Water
Associated Lab Samples: 92567249043, 92567249044, 92567249045, 92567249046, 92567249047, 92567249048

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/22/21 09:15	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/22/21 09:15	
Benzene	ug/L	ND	1.0	0.34	10/22/21 09:15	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/22/21 09:15	
Ethanol	ug/L	ND	200	72.2	10/22/21 09:15	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/22/21 09:15	
Ethylbenzene	ug/L	ND	1.0	0.30	10/22/21 09:15	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/22/21 09:15	
Naphthalene	ug/L	ND	1.0	0.64	10/22/21 09:15	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/22/21 09:15	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/22/21 09:15	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/22/21 09:15	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/22/21 09:15	
Toluene	ug/L	ND	1.0	0.48	10/22/21 09:15	
Xylene (Total)	ug/L	ND	1.0	0.34	10/22/21 09:15	
1,2-Dichloroethane-d4 (S)	%	91	70-130		10/22/21 09:15	
4-Bromofluorobenzene (S)	%	95	70-130		10/22/21 09:15	
Toluene-d8 (S)	%	99	70-130		10/22/21 09:15	

LABORATORY CONTROL SAMPLE: 3431598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	44.6	89	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	993	99	70-130	
Benzene	ug/L	50	47.4	95	70-130	
Diisopropyl ether	ug/L	50	43.5	87	70-130	
Ethanol	ug/L	2000	1920	96	70-130	
Ethyl-tert-butyl ether	ug/L	100	95.4	95	70-130	
Ethylbenzene	ug/L	50	50.4	101	70-130	
Methyl-tert-butyl ether	ug/L	50	45.4	91	70-130	
Naphthalene	ug/L	50	51.6	103	70-130	
tert-Amyl Alcohol	ug/L	1000	1010	101	70-130	
tert-Amylmethyl ether	ug/L	100	95.1	95	70-130	
tert-Butyl Alcohol	ug/L	500	488	98	70-130	
tert-Butyl Formate	ug/L	400	376	94	70-130	
Toluene	ug/L	50	47.6	95	70-130	
Xylene (Total)	ug/L	150	151	101	70-130	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: CK2720886

Pace Project No.: 92567249

LABORATORY CONTROL SAMPLE: 3431598

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3431599 3431600

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92567377026 Result	Spike Conc.	Spike Conc.	Result						
1,2-Dichloroethane	ug/L	ND	5000	5000	4960	4290	99	86	70-137	14	30
3,3-Dimethyl-1-Butanol	ug/L	ND	100000	100000	95500	86300	96	86	39-157	10	30
Benzene	ug/L	10800	5000	5000	16000	15700	105	97	70-151	2	30
Diisopropyl ether	ug/L	ND	5000	5000	4710	4320	94	86	63-144	9	30
Ethanol	ug/L	ND	200000	200000	205000	183000	103	92	39-176	11	30
Ethyl-tert-butyl ether	ug/L	ND	10000	10000	10000	8980	100	90	66-137	11	30
Ethylbenzene	ug/L	2250	5000	5000	7560	6920	106	93	66-153	9	30
Methyl-tert-butyl ether	ug/L	ND	5000	5000	4690	4410	94	88	54-156	6	30
Naphthalene	ug/L	583	5000	5000	5870	5120	106	91	61-148	14	30
tert-Amyl Alcohol	ug/L	ND	100000	100000	102000	90800	102	91	54-153	12	30
tert-Amylmethyl ether	ug/L	ND	10000	10000	9680	8660	97	87	69-139	11	30
tert-Butyl Alcohol	ug/L	ND	50000	50000	49600	47300	99	95	43-188	5	30
tert-Butyl Formate	ug/L	ND	40000	40000	38600	34600	97	87	10-170	11	30
Toluene	ug/L	40900	5000	5000	44800	44800	76	77	59-148	0	30
Xylene (Total)	ug/L	13400	15000	15000	29300	26800	106	89	63-158	9	30
1,2-Dichloroethane-d4 (S)	%						92	100	70-130		
4-Bromofluorobenzene (S)	%						96	100	70-130		
Toluene-d8 (S)	%						97	96	70-130		

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QUALITY CONTROL DATA

Project: CK2720886
Pace Project No.: 92567249

QC Batch: 654732 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92567249014, 92567249032

METHOD BLANK: 3433287 Matrix: Water

Associated Lab Samples: 92567249014, 92567249032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/22/21 22:15	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/22/21 22:15	
Benzene	ug/L	ND	1.0	0.34	10/22/21 22:15	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/22/21 22:15	
Ethanol	ug/L	ND	200	72.2	10/22/21 22:15	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/22/21 22:15	
Ethylbenzene	ug/L	ND	1.0	0.30	10/22/21 22:15	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/22/21 22:15	
Naphthalene	ug/L	ND	1.0	0.64	10/22/21 22:15	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/22/21 22:15	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/22/21 22:15	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/22/21 22:15	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/22/21 22:15	
Toluene	ug/L	ND	1.0	0.48	10/22/21 22:15	
Xylene (Total)	ug/L	ND	1.0	0.34	10/22/21 22:15	
1,2-Dichloroethane-d4 (S)	%	96	70-130		10/22/21 22:15	
4-Bromofluorobenzene (S)	%	98	70-130		10/22/21 22:15	
Toluene-d8 (S)	%	106	70-130		10/22/21 22:15	

LABORATORY CONTROL SAMPLE: 3433288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	55.3	111	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	995	100	70-130	
Benzene	ug/L	50	57.9	116	70-130	
Diisopropyl ether	ug/L	50	57.3	115	70-130	
Ethanol	ug/L	2000	2280	114	70-130	
Ethyl-tert-butyl ether	ug/L	100	123	123	70-130	
Ethylbenzene	ug/L	50	59.9	120	70-130	
Methyl-tert-butyl ether	ug/L	50	56.8	114	70-130	
Naphthalene	ug/L	50	55.8	112	70-130	
tert-Amyl Alcohol	ug/L	1000	1180	118	70-130	
tert-Amylmethyl ether	ug/L	100	120	120	70-130	
tert-Butyl Alcohol	ug/L	500	610	122	70-130	
tert-Butyl Formate	ug/L	400	475	119	70-130	
Toluene	ug/L	50	55.5	111	70-130	
Xylene (Total)	ug/L	150	180	120	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: CK2720886
Pace Project No.: 92567249

LABORATORY CONTROL SAMPLE: 3433288

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3433289 3433290

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92567249032 Result	Spike Conc.	Spike Conc.	Result						
1,2-Dichloroethane	ug/L	ND	4000	4000	4370	4330	109	108	70-137	1	30
3,3-Dimethyl-1-Butanol	ug/L	ND	80000	80000	77400	78700	97	98	39-157	2	30
Benzene	ug/L	7020	4000	4000	12000	11800	124	120	70-151	2	30
Diisopropyl ether	ug/L	ND	4000	4000	4500	4330	112	108	63-144	4	30
Ethanol	ug/L	ND	160000	160000	179000	172000	112	107	39-176	4	30
Ethyl-tert-butyl ether	ug/L	ND	8000	8000	8880	8820	111	110	66-137	1	30
Ethylbenzene	ug/L	2090	4000	4000	6740	6780	116	117	66-153	1	30
Methyl-tert-butyl ether	ug/L	140J	4000	4000	4740	4510	115	109	54-156	5	30
Naphthalene	ug/L	373	4000	4000	4760	4800	110	111	61-148	1	30
tert-Amyl Alcohol	ug/L	ND	80000	80000	88700	91500	111	114	54-153	3	30
tert-Amylmethyl ether	ug/L	ND	8000	8000	8880	9110	111	114	69-139	3	30
tert-Butyl Alcohol	ug/L	ND	40000	40000	43300	44100	108	110	43-188	2	30
tert-Butyl Formate	ug/L	ND	32000	32000	33300	33500	104	105	10-170	1	30
Toluene	ug/L	24600	4000	4000	27500	28000	73	85	59-148	2	30
Xylene (Total)	ug/L	15600	12000	12000	28900	29000	111	112	63-158	0	30
1,2-Dichloroethane-d4 (S)	%						92	99	70-130		
4-Bromofluorobenzene (S)	%						100	100	70-130		
Toluene-d8 (S)	%						99	100	70-130		

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QUALIFIERS

Project: CK2720886
Pace Project No.: 92567249

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- | | |
|----|---|
| C8 | Result may be biased high due to carryover from previously analyzed sample. |
| E | Analyte concentration exceeded the calibration range. The reported result is estimated. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |
| P5 | The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes. |
| R1 | RPD value was outside control limits. |
| v2 | The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard. |
| v3 | The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias. |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CK2720886
Pace Project No.: 92567249

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92567249001	01589-MW-1	EPA 8260D	654113		
92567249002	01589-MW-2	EPA 8260D	654113		
92567249003	01589-MW-3	EPA 8260D	653593		
92567249004	01589-MW-4	EPA 8260D	653593		
92567249005	01589-MW-5	EPA 8260D	653593		
92567249006	01589-MW-7	EPA 8260D	654113		
92567249007	01589-MW-8	EPA 8260D	653593		
92567249008	01589-MW-9	EPA 8260D	653597		
92567249009	01589-MW-10	EPA 8260D	653593		
92567249010	01589-MW-11	EPA 8260D	653593		
92567249011	01589-MW-12	EPA 8260D	654113		
92567249012	01589-MW-13	EPA 8260D	654113		
92567249013	01589-MW-14	EPA 8260D	653593		
92567249014	01589-MW-15	EPA 8260D	654732		
92567249015	01589-MW-16	EPA 8260D	653593		
92567249016	01589-MW-17	EPA 8260D	653593		
92567249017	01589-MW-18	EPA 8260D	653597		
92567249018	01589-MW-19	EPA 8260D	653597		
92567249019	01589-MW-20	EPA 8260D	653597		
92567249020	01589-MW-21	EPA 8260D	653597		
92567249021	01589-MW-22	EPA 8260D	653593		
92567249022	01589-MW-23	EPA 8260D	653597		
92567249023	01589-MW-24	EPA 8260D	653597		
92567249024	01589-MW-25	EPA 8260D	653597		
92567249025	01589-MW-26	EPA 8260D	653597		
92567249026	01589-MW-27	EPA 8260D	653593		
92567249027	01589-MW-28	EPA 8260D	653597		
92567249028	01589-MW-29	EPA 8260D	653597		
92567249029	01589-MW-30	EPA 8260D	653593		
92567249030	01589-MW-31	EPA 8260D	653597		
92567249031	01589-MW-32	EPA 8260D	654113		
92567249032	01589-MW-33	EPA 8260D	654732		
92567249033	01589-MW-34	EPA 8260D	653593		
92567249034	01589-MW-35	EPA 8260D	653593		
92567249035	01589-MW-36	EPA 8260D	653597		
92567249036	01589-MW-37	EPA 8260D	653597		
92567249037	01589-MW-38	EPA 8260D	653597		
92567249038	01589-DMW-1	EPA 8260D	653855		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CK2720886

Pace Project No.: 92567249

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92567249039	01589-DMW-2	EPA 8260D	653855		
92567249040	01589-DMW-3	EPA 8260D	653855		
92567249041	01589-DMW-4	EPA 8260D	653855		
92567249042	01589-DMW-5	EPA 8260D	653855		
92567249043	01589-RW2	EPA 8260D	654448		
92567249044	01589-RW3	EPA 8260D	654448		
92567249045	01589-RW4	EPA 8260D	654448		
92567249046	01589-RW8	EPA 8260D	654448		
92567249047	01589-RW12	EPA 8260D	654448		
92567249048	01589-DUP	EPA 8260D	654448		
92567249049	01589-FB1	EPA 8260D	653855		
92567249050	01589-FB2	EPA 8260D	653855		
92567249051	01589-FB3	EPA 8260D	653855		
92567249052	01589-SW1	EPA 8260D	654035		
92567249053	01589-SW2	EPA 8260D	654035		
92567249054	01589-SW3	EPA 8260D	654035		
92567249055	01589-SW4	EPA 8260D	654035		
92567249056	01589-SW6	EPA 8260D	654035		
92567249057	01589-SW7	EPA 8260D	653852		
92567249058	01589-SW8	EPA 8260D	653852		
92567249059	01589-SW9	EPA 8260D	653852		
92567249060	TRIP BLANK	EPA 8260D	653593		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Atlas

Project #:

WO# : 92567249



92567249

Date/Initials Person Examining Contents: 10/15/21

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer: IR Gun ID: 927064 Type of Ice: Wet Blue None

Cooler Temp: 4.2 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 4.2

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

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

Yes No

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

MS 10/15/21
2 vials received for ~~St+~~ and SW-4, trip blank received
improper headspace: 1 DMW3, 1 RW 2, 1 FB2, 1 SW3

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person-contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



Document Name:
Sample Condition Upon Receipt(SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

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

Project

WO# : 92567249

PM: BV

Due Date: 10/25/21

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

CLIENT: 92-ATC_Colum

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	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 Jnp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-S035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)			
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pH Adjustment Log for Preserved Samples

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

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



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Document Revised: October 28, 2020
Page 2 of 2

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

Project #

WO# : 92567249

PM: BV

Due Date: 10/25/21

CLIENT: 92-ATC_Colum

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

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>8)	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)	UG9A	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)	
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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 #

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Document Name:
Sample Condition Upon Receipt(SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

*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# : 92567249

PM: BV

Due Date: 10/25/21

CLIENT: 92-ATC_Colum

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	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) (C-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (C-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(C-)	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)	VG9H	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)	
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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 #

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Document Revised: October 28, 2020
 Page 2 of 2
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 Pace Carolinas Quality Office

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

Project #

WO# : 92567249
 PM: BV Due Date: 10/25/21
 CLIENT: 92-ATC_Colum

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
 **Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGJU-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)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
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pH Adjustment Log for Preserved Samples

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

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

Project #

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

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	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)	
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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.



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 106 Vantage Point Drive • West Columbia, SC 29172
 Telephone No. 803-791-9700 Fax No. 803-791-9111
 www.pacelabs.com

Number 126380

Client

Atlas

Report to Contact
 Brad Hubbard

Telephone No. / E-mail
 Brad.Hubbard@pacelabs.com

Quote No.

Address

16904 D. Main St
 Columbia SC 29203

Sampler's Signature
 [Signature]

Analysis (Attach list if more space is needed)
 X-GEN, COP, MTBE, 1,2DCA + CHL

City

State Zip Code
 SC 29203

Printed Name
 Corinne Talu

Page 1 of 1
 Lot # Bar Code (lab use only)

Project Name
 CK 2720588

Project No.

P.O. No.

Sample ID / Description
 (Containers for each sample may be combined on one line.)

Collection Date(s)

Collection Time (Military)

G-Grab C-Composite

Matrix
 Aqueous Solid Non-Aqueous

No of Containers by Preservative Type
 Unpres. H2SO4 HNO3 HCl NaOH 5035 Kit Field Filtered

8260

Remarks / Cooler I.D.
 92567249

08589 - MW-1

10/13/21

1648

G

3

✓

✓

001

MW-2

10/13

1637

✓

✓

✓

✓

002

MW-3

10/13

1438

✓

✓

✓

✓

003

MW-4

10/13

1348

✓

✓

✓

✓

004

MW-5

10/13

1330

✓

✓

✓

✓

005

MW-7

10/14

1215

✓

✓

✓

✓

006

MW-8

10/14

0811

✓

✓

✓

✓

007

MW-9

10/14

0759

✓

✓

✓

✓

008

MW-10

10/14

0742

✓

✓

✓

✓

009

MW-11

10/14

0735

✓

✓

✓

✓

010

Turn Around Time Required (Prior lab approval required for expedited TAT.)

Standard Rush (Specify)

Sample Disposal
 Return to Client Disposed by Lab

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison Unknown

QC Requirements (Specify)

1. Relinquished by [Signature]

Date 10/14/21 Time 0500

1. Received by [Signature]

Date 10/18/21 Time 0800

2. Relinquished by [Signature]

Date 10/18/21 Time 0930

2. Received by [Signature]

3. Relinquished by [Signature]

Date [Blank] Time [Blank]

3. Received by [Blank]

4. Relinquished by [Blank]

Date [Blank] Time [Blank]

4. Laboratory received by [Blank]

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
 Received on Ice (Circle) Yes No Ice Pack

Receipt Temp. °C

Temp Blank Y N



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 Telephone No. 803-791-9700 Fax No. 803-791-9111
 www.pacelabs.com

Number 126379

Client: Astoria Report to Contact: Brend Hubbs Telephone No. / E-mail: Brend.hubbs@pacelabs.com Quote No. _____
 Address: 1904 D. Main St Sample's Signature: [Signature] Analysis (Attach list if more space is needed): PC-BTEX, DCPH, MTBE, DDCM, SCD HCL, SCD HCL Page 2 of _____
 City: Columbia State: SC Zip Code: 29203 Printed Name: Berline Kelly Lot # Bar Code (lab use only): _____
 Project Name: CK 2720886 Matrix: _____

Sample ID / Description (Containers for each sample may be combined on one line.)	P.O. No.	Collection Date(s)	Collection Time (Military)	Matrix			No. of Containers by Preservative Type						Field Filtered	Remarks / Cooler I.D.
				Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	5035 KH		
01588		10/13/21	1417	G	Y							3		011
MW-12		10/13	0900											012
MW-13		10/13	1506											013
MW-14		10/13	1215											014
MW-15		10/13	0830											017
MW-16		10/13	0830											015
MW-17		10/13	0830											015
MW-18		10/13	0830											015
MW-19		10/13	0830											015
MW-20		10/13	0807											015
MW-21		10/14	0906											020

Turn Around Time Required (Prior lab approval required for expedited TAT):
 Standard Rush (Specify) Sample Disposal: Return to Client Disposal by Lab
 1. Relinquished by: [Signature] Date: 10/15/21 Time: 0800
 2. Relinquished by: [Signature] Date: 10/15/21 Time: 0950
 3. Relinquished by: _____ Date: _____ Time: _____
 4. Relinquished by: _____ Date: _____ Time: _____

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison Unknown
 1. Received by: [Signature] Date: 10/15/21 Time: 0800
 2. Received by: _____ Date: _____ Time: _____
 3. Received by: _____ Date: _____ Time: _____
 4. Laboratory received by: _____ Date: _____ Time: _____

Note: All samples are retained for four weeks from receipt unless other arrangements are made.
 LAB USE ONLY Received on ice (Circle) Yes No Ice Pack Receipt Temp. _____ °C
 Temp Blank Y N



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 Telephone No. 803-791-9700 Fax No. 803-791-9111
 www.pacelabs.com

Number 126378

Client

Arthur

Report to Contact

Broad Hubbard

Telephone No. / E-mail

Broad Hubbard @ divestias.com

Quote No.

Analysis (Attach list if more space is needed)

**-BTEX, Naph, MTBE, 1,2DCA + SCHEG*

Page 3 of

Lot # Bar Code (lab use only)

92562249

Sampler's Signature

[Signature]

Printed Name

Drinne Tally

Address

*Legay N. Main St
Columbia SC 29203*

Project Name

CK 2720CEPE

Project No.

P.O. No.

Sample ID / Description
(Containers for each sample may be combined on one line.)

Collection Date(s)

Collection Time (Military)

Matrix

No of Containers by Preservative Type

Remarks / Cooler I.D.

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	Matrix	No of Containers by Preservative Type						Field Filtered	Remarks / Cooler I.D.			
				G-Grab C-Composite	Aqueous	Solid	No-Aqueous	Unpres.	H2SO4			HNO3	HCl	NaOH
01589 - MW-22	10/19/09	0921	G ✓						3			✓	8260 *	021
MW-23	10/19/09	1052										✓		022
MW-24	10/15/09	0959										✓		023
MW-25	10/15/09	1203										✓		024
MW-26	10/19/09	1114										✓		025
MW-27	10/19/09	1217										✓		026
MW-28	10/15/09	1147										✓		027
MW-29	10/19/09	1426										✓		028
MW-30	10/19/09	0938										✓		029
MW-31	10/15/09	0928										✓		1123 050

Turn Around Time Required (Prior lab approval required for expedited TAT.)

Standard Rush (Specify)

Sample Disposal Return to Client Disposal by Lab

Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poison Unknown

QC Requirements (Specify)

1. Relinquished by <i>[Signature]</i>	Date	Time	1. Received by <i>[Signature]</i>	Date	Time
2. Relinquished by <i>[Signature]</i>	10/15/09	0800	2. Received by <i>[Signature]</i>	10/19/09	0800
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by	Date	Time

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
 Received on ice (Circle) Yes No Ice Pack Receipt Temp. °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: ME003AN2-01



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Number 126377

Client

Address
 10104 D. Mann St
 Columbia SC 29203

Report to Contract
 Brad Hubbard
 Sampler's Signature
 Corinne Lally
 Printed Name

City
 State
 Zip Code

Telephone No. / E-mail
 Brad.Hubbard@duke.edu
 Analysis (Attach list if more space is needed)
 * - BTEX, NGAL, WTB, 12004, 500 HEC, SCD HEC, 12004, 500 HEC

Project Name
 CK2720556

Project No.

Quote No.
 92507249

Sample ID / Description
 (Containers for each sample may be combined on one line.)

P.O. No.

Collection Dates

Collection Time (Military)

Matrix
 Aqueous
 Solid
 No-Aqueous

No of Containers by Preservative Type
 Unpres.
 H2SO4
 HNO3
 HCl
 NaOH
 5035 Kit
 Field Filtered

Remarks / Cooler I.D.

Sample ID / Description	P.O. No.	Collection Dates	Collection Time (Military)	Matrix	No of Containers by Preservative Type	Field Filtered	Analysis	Temp
MW-32		10/13/21	1421	G	3	✓	8260 *	031
MW-33		10/13	1624			✓		032
MW-34		10/15	1510			✓		033
MW-35		10/14	1453			✓		034
MW-36		10/14	0931			✓		035
MW-37		10/14	1238			✓		036
MW-38		10/14	1441			✓		037
DMW-1		10/13	1558			✓		038
DMW-2		10/14	1602			✓		039
DMW-3		10/15	1844			✓		040

Turn Around Time Required (Prior lab approval required for expedited TAT)
 Standard Rush (Specify)

Sample Disposal
 Return to Client Disposal by Lab

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison Unknown

QC Requirements (Specify)

Relinquished by	Date	Time	Date	Time
1. Relinquished by	10/11/21	0800	10/18/21	0500
2. Relinquished by	10/14/21	0930		
3. Relinquished by				
4. Relinquished by				

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
 Received on ice (Circle) Yes No Ice Pack Receipt Temp. °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: ME003N2-01



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Number 126381

Client

Atlas

Report to Contact

Brad Hubbard

Telephone No. / E-mail

Brad Hubbard @ OneAtlas.com

Quote No.

92567249

Address 6904 N. Maria St.

Sampler's Signature

Angel May

Analysis (Attach list if more space is needed)

Bacter, Neph, Nitrite, 1,2 DCA

Lot # Bar Code (lab use only)

Page 5 of 5

City Columbia State SC Zip Code 29203

Project Name CLC 2720586

Project Name Joe Gray

Project No. 01589

P.O. No.

Matrix

No. of Containers by Preservative Type

Remarks / Cooler I.D.

Sample ID / Description (Containers for each sample may be combined on one line.)

Collection Dates

Collection Time (Military)

G-Grab C-Composite

Aqueous Solid Non Aqueous

Unpres. H2SO4 HNO3 HCl NaOH 5035 Kit Field Filtered

Temp Blank Y N

Sample ID / Description	Collection Dates	Collection Time (Military)	G-Grab C-Composite	Matrix	No. of Containers by Preservative Type	Field Filtered	Temp Blank
01589 - DMW-4	10/15/14	0940	C	W	3	X	641
DMW-5	10/15	1529					642
RW 9	10/13	1609					643
RW 3	10/13	1452					644
RW 4	10/13	1407					645
RW 8	10/14	1029					646
RW 12	10/15	0915					647
BRP	10/13	1626					648
FB 1	10/13	1710					649
FB 2	10/14	1459					650

Turn Around Time Required (Prior lab approval required for expedited TAT.)

Sample Disposal Return to Client Disposal by Lab

Possible Hazard Identification Non-hazard Flammable Skin Irritant Poison Unknown

QC Requirements (Specify)

1. Relinquished by	Date	Time	2. Received by	Date	Time
[Signature]	10/19/14	0822	Joe Gray	10/19/14	0900
2. Relinquished by	Date	Time	3. Received by	Date	Time
[Signature]	10/18/14	0950			
3. Relinquished by	Date	Time	4. Laboratory received by	Date	Time

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY Received on ice (Circle) Yes No Ice Pack

Receipt Temp. °C

Temp Blank Y N



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 Telephone No. 803-791-9700 Fax No. 803-791-9111
 www.pacelabs.com

Number 126382

Client: **Atlas** Report to Contact: **BRAD HUBBARD** Telephone No. / E-mail: _____
 Address: **6904 N. Main St.** Sampler's Signature: _____
 City: **Columbia** State: **SC** Zip Code: **29203** Pinned Name: _____
 Project Name: **CLC 2720586** J. Gray

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Dates	Collection Time (Military)	Matrix			No. of Containers by Preservative Type						Field Filtered	Analysis (Attach list if more space is needed)	Page <u>6</u> of _____ Lot # Bar Code (lab use only)	
			Aqueous	Solid Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	5035 KI					
01589 - FB3	10/15/12	1620	G X												92862245
SW1	10/14	0845													057
SW2	10/12	1445													052
SW3	10/12	1645													054
SW4	10/12	1630													one with 5 extra in 655 found
SW6	10/12	1420													056
SW7	10/14	1145													057
SW8	10/14	1140													058
SW9	10/14	1130													059

Turn Around Time Required (Prior lab approval required for expedited TAT.)
 Standard Rush (Specify) _____ Sample Disposal: Return to Client Disposal by Lab
 1. Relinquished by _____ Date: 10/15/12 Time: 0800
 2. Relinquished by _____ Date: 10/15/12 Time: 0850
 3. Relinquished by _____ Date: _____ Time: _____
 4. Relinquished by _____ Date: _____ Time: _____

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
 Received on Ice (Circle) Yes No Ice Pack Receipt Temp. _____ °C
 Temp Blank Y N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: ME003N2-01

October 22, 2021

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

RE: Project: CK 2720886
Pace Project No.: 92567243

Dear Brad Hubbard:

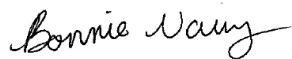
Enclosed are the analytical results for sample(s) received by the laboratory on October 18, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CK 2720886

Pace Project No.: 92567243

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

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SAMPLE SUMMARY

Project: CK 2720886

Pace Project No.: 92567243

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92567243001	WSW-12	Water	10/15/21 14:02	10/18/21 08:00
92567243002	WSW-13	Water	10/15/21 15:48	10/18/21 08:00
92567243003	WSW-16	Water	10/14/21 07:18	10/18/21 08:00
92567243004	DUP 1	Water	10/15/21 15:50	10/18/21 08:00
92567243005	FB	Water	10/15/21 15:59	10/18/21 08:00
92567243006	TRIP BLANK	Water	10/15/21 00:00	10/18/21 08:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CK 2720886

Pace Project No.: 92567243

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92567243001	WSW-12	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	CL	11	PASI-C
92567243002	WSW-13	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	CL	11	PASI-C
92567243003	WSW-16	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	CL	11	PASI-C
92567243004	DUP 1	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	NSCQ	11	PASI-C
92567243005	FB	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	CL	11	PASI-C
92567243006	TRIP BLANK	EPA 8260D	CL	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CK 2720886

Pace Project No.: 92567243

Sample: WSW-12 **Lab ID: 92567243001** Collected: 10/15/21 14:02 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		10/21/21 14:33	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		10/21/21 14:33	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		10/21/21 14:33	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		10/21/21 14:33	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		10/21/21 14:33	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		10/21/21 14:33	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		10/21/21 14:33	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		10/21/21 14:33	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	91	%	70-130		1		10/21/21 14:33	2199-69-1	
4-Bromofluorobenzene (S)	85	%	70-130		1		10/21/21 14:33	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		10/18/21 20:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 20:50	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 20:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 20:50	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 20:50	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 20:50	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 20:50	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 20:50	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/18/21 20:50	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		10/18/21 20:50	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		10/18/21 20:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CK 2720886

Pace Project No.: 92567243

Sample: WSW-13 **Lab ID: 92567243002** Collected: 10/15/21 15:48 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
524.2 MSV SC List									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		10/21/21 14:59	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		10/21/21 14:59	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		10/21/21 14:59	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		10/21/21 14:59	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		10/21/21 14:59	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		10/21/21 14:59	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		10/21/21 14:59	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		10/21/21 14:59	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	93	%	70-130		1		10/21/21 14:59	2199-69-1	
4-Bromofluorobenzene (S)	88	%	70-130		1		10/21/21 14:59	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		10/18/21 21:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 21:08	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 21:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 21:08	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 21:08	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 21:08	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 21:08	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 21:08	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/18/21 21:08	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		10/18/21 21:08	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/18/21 21:08	2037-26-5	

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ANALYTICAL RESULTS

Project: CK 2720886

Pace Project No.: 92567243

Sample: WSW-16 **Lab ID: 92567243003** Collected: 10/14/21 07:18 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		10/21/21 15:25	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		10/21/21 15:25	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		10/21/21 15:25	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		10/21/21 15:25	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		10/21/21 15:25	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		10/21/21 15:25	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		10/21/21 15:25	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		10/21/21 15:25	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	91	%	70-130		1		10/21/21 15:25	2199-69-1	
4-Bromofluorobenzene (S)	85	%	70-130		1		10/21/21 15:25	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		10/18/21 21:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 21:26	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 21:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 21:26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 21:26	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 21:26	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 21:26	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 21:26	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/18/21 21:26	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		10/18/21 21:26	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/18/21 21:26	2037-26-5	

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ANALYTICAL RESULTS

Project: CK 2720886
Pace Project No.: 92567243

Sample: DUP 1		Lab ID: 92567243004		Collected: 10/15/21 15:50	Received: 10/18/21 08:00	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte							
Benzene	ND	mg/L	0.00050	0.00021	1		10/21/21 15:51	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		10/21/21 15:51	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		10/21/21 15:51	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		10/21/21 15:51	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		10/21/21 15:51	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		10/21/21 15:51	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		10/21/21 15:51	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		10/21/21 15:51	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	91	%	70-130		1		10/21/21 15:51	2199-69-1	
4-Bromofluorobenzene (S)	85	%	70-130		1		10/21/21 15:51	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		10/21/21 07:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/21/21 07:08	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/21/21 07:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/21/21 07:08	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/21/21 07:08	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/21/21 07:08	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/21/21 07:08	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/21/21 07:08	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/21/21 07:08	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		10/21/21 07:08	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		10/21/21 07:08	2037-26-5	

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ANALYTICAL RESULTS

Project: CK 2720886

Pace Project No.: 92567243

Sample: FB **Lab ID: 92567243005** Collected: 10/15/21 15:59 Received: 10/18/21 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		10/21/21 12:49	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		10/21/21 12:49	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		10/21/21 12:49	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		10/21/21 12:49	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		10/21/21 12:49	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		10/21/21 12:49	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		10/21/21 12:49	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		10/21/21 12:49	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	91	%	70-130		1		10/21/21 12:49	2199-69-1	
4-Bromofluorobenzene (S)	87	%	70-130		1		10/21/21 12:49	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		10/18/21 20:13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 20:13	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 20:13	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 20:13	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 20:13	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 20:13	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 20:13	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 20:13	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/18/21 20:13	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		10/18/21 20:13	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/18/21 20:13	2037-26-5	

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ANALYTICAL RESULTS

Project: CK 2720886
Pace Project No.: 92567243

Sample: TRIP BLANK		Lab ID: 92567243006		Collected: 10/15/21 00:00		Received: 10/18/21 08:00		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		10/18/21 19:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/18/21 19:55	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/18/21 19:55	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/18/21 19:55	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/18/21 19:55	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/18/21 19:55	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/18/21 19:55	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/18/21 19:55	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/18/21 19:55	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		10/18/21 19:55	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/18/21 19:55	2037-26-5	

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QUALITY CONTROL DATA

Project: CK 2720886
Pace Project No.: 92567243

QC Batch: 654351 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92567243001, 92567243002, 92567243003, 92567243004, 92567243005

METHOD BLANK: 3430929 Matrix: Water
Associated Lab Samples: 92567243001, 92567243002, 92567243003, 92567243004, 92567243005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00016	10/21/21 11:57	
Benzene	mg/L	ND	0.00050	0.00021	10/21/21 11:57	
Ethylbenzene	mg/L	ND	0.00050	0.00022	10/21/21 11:57	
m&p-Xylene	mg/L	ND	0.0010	0.00039	10/21/21 11:57	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00014	10/21/21 11:57	
Naphthalene	mg/L	ND	0.00050	0.00035	10/21/21 11:57	
o-Xylene	mg/L	ND	0.00050	0.00022	10/21/21 11:57	
Toluene	mg/L	ND	0.00050	0.00020	10/21/21 11:57	
1,2-Dichlorobenzene-d4 (S)	%	90	70-130		10/21/21 11:57	
4-Bromofluorobenzene (S)	%	87	70-130		10/21/21 11:57	

LABORATORY CONTROL SAMPLE: 3430930

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.021	104	70-130	
Benzene	mg/L	0.02	0.020	98	70-130	
Ethylbenzene	mg/L	0.02	0.021	103	70-130	
m&p-Xylene	mg/L	0.04	0.042	104	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.021	103	70-130	
Naphthalene	mg/L	0.02	0.021	107	70-130	
o-Xylene	mg/L	0.02	0.021	105	70-130	
Toluene	mg/L	0.02	0.020	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: CK 2720886
Pace Project No.: 92567243

QC Batch: 653593 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92567243001, 92567243002, 92567243003, 92567243005, 92567243006

METHOD BLANK: 3427220 Matrix: Water
Associated Lab Samples: 92567243001, 92567243002, 92567243003, 92567243005, 92567243006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/18/21 19:37	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/18/21 19:37	
Ethanol	ug/L	ND	200	72.2	10/18/21 19:37	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/18/21 19:37	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/18/21 19:37	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/18/21 19:37	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/18/21 19:37	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/18/21 19:37	
1,2-Dichloroethane-d4 (S)	%	109	70-130		10/18/21 19:37	
4-Bromofluorobenzene (S)	%	101	70-130		10/18/21 19:37	
Toluene-d8 (S)	%	107	70-130		10/18/21 19:37	

LABORATORY CONTROL SAMPLE: 3427221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	1000	1080	108	70-130	
Diisopropyl ether	ug/L	50	50.9	102	70-130	
Ethanol	ug/L	2000	2330	117	70-130	
Ethyl-tert-butyl ether	ug/L	100	105	105	70-130	
tert-Amyl Alcohol	ug/L	1000	1120	112	70-130	
tert-Amylmethyl ether	ug/L	100	102	102	70-130	
tert-Butyl Alcohol	ug/L	500	541	108	70-130	
tert-Butyl Formate	ug/L	400	422	105	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3427222 3427223

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92567249016 Result	Spike Conc.	Spike Conc.	MS Result								
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	472	429	118	107	39-157	10	30		
Diisopropyl ether	ug/L	ND	20	20	22.2	20.9	111	104	63-144	6	30		
Ethanol	ug/L	ND	800	800	1070	971	133	121	39-176	9	30		
Ethyl-tert-butyl ether	ug/L	ND	40	40	45.3	43.8	113	109	66-137	4	30		
tert-Amyl Alcohol	ug/L	ND	400	400	502	468	126	117	54-153	7	30		
tert-Amylmethyl ether	ug/L	ND	40	40	43.5	41.9	109	105	69-139	4	30		

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QUALITY CONTROL DATA

Project: CK 2720886

Pace Project No.: 92567243

Parameter	Units	3427222		3427223		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92567249016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
tert-Butyl Alcohol	ug/L	ND	200	200	376	348	188	174	43-188	8	30		
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	8	7	10-170		30	P5	
1,2-Dichloroethane-d4 (S)	%						102	101	70-130				
4-Bromofluorobenzene (S)	%						100	99	70-130				
Toluene-d8 (S)	%						100	101	70-130				

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QUALITY CONTROL DATA

Project: CK 2720886
Pace Project No.: 92567243

QC Batch: 654113 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92567243004

METHOD BLANK: 3429679 Matrix: Water
Associated Lab Samples: 92567243004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/21/21 05:19	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/21/21 05:19	
Ethanol	ug/L	ND	200	72.2	10/21/21 05:19	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/21/21 05:19	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/21/21 05:19	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/21/21 05:19	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/21/21 05:19	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/21/21 05:19	
1,2-Dichloroethane-d4 (S)	%	93	70-130		10/21/21 05:19	
4-Bromofluorobenzene (S)	%	99	70-130		10/21/21 05:19	
Toluene-d8 (S)	%	99	70-130		10/21/21 05:19	

LABORATORY CONTROL SAMPLE: 3429680

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	1000	1150	115	70-130	
Diisopropyl ether	ug/L	50	46.3	93	70-130	
Ethanol	ug/L	2000	1780	89	70-130	
Ethyl-tert-butyl ether	ug/L	100	97.9	98	70-130	
tert-Amyl Alcohol	ug/L	1000	1050	105	70-130	
tert-Amylmethyl ether	ug/L	100	103	103	70-130	
tert-Butyl Alcohol	ug/L	500	485	97	70-130	
tert-Butyl Formate	ug/L	400	388	97	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3429681 3429682

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92567249011 Result	Spike Conc.	Spike Conc.	MS Conc.								
3,3-Dimethyl-1-Butanol	ug/L	ND	2000	2000	2270	2600	114	130	39-157	13	30		
Diisopropyl ether	ug/L	ND	100	100	107	112	107	112	63-144	5	30		
Ethanol	ug/L	ND	4000	4000	3940	4330	98	108	39-176	9	30		
Ethyl-tert-butyl ether	ug/L	16.9J	200	200	243	252	113	118	66-137	4	30		
tert-Amyl Alcohol	ug/L	352J	2000	2000	2590	2800	112	123	54-153	8	30		
tert-Amylmethyl ether	ug/L	ND	200	200	235	245	118	122	69-139	4	30		

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QUALITY CONTROL DATA

Project: CK 2720886

Pace Project No.: 92567243

Parameter	Units	3429681		3429682		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92567249011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
tert-Butyl Alcohol	ug/L	ND	1000	1000	1110	1250	111	125	43-188	12	30		
tert-Butyl Formate	ug/L	ND	800	800	651	660	81	82	10-170	1	30		
1,2-Dichloroethane-d4 (S)	%						91	91	70-130				
4-Bromofluorobenzene (S)	%						97	98	70-130				
Toluene-d8 (S)	%						97	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

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QUALIFIERS

Project: CK 2720886

Pace Project No.: 92567243

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CK 2720886
Pace Project No.: 92567243

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92567243001	WSW-12	EPA 524.2	654351		
92567243002	WSW-13	EPA 524.2	654351		
92567243003	WSW-16	EPA 524.2	654351		
92567243004	DUP 1	EPA 524.2	654351		
92567243005	FB	EPA 524.2	654351		
92567243001	WSW-12	EPA 8260D	653593		
92567243002	WSW-13	EPA 8260D	653593		
92567243003	WSW-16	EPA 8260D	653593		
92567243004	DUP 1	EPA 8260D	654113		
92567243005	FB	EPA 8260D	653593		
92567243006	TRIP BLANK	EPA 8260D	653593		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

CHAS

Project #

WO# : 92567243



Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *MS 10/18/21*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Thermometer: IR Gun ID: *927004* Wet Blue None

Yes No N/A

Type of Ice:

Cooler Temp: *3.4* Correction Factor: Add/Subtract (°C) *0*

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): *3.4*

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

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

Yes No

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Improper headspace: 1 WSW-12, 1 WSW-Dup, 1 WSW FB

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



Document Name:
Sample Condition Upon Receipt(SCUR)

Document Revised: October 28, 2020
Page 2 of 2

Document No.:
F-CAR-CS-033-Rev.07

Issuing Authority:
Pace Carolinas Quality Office

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

Project #

WO# : 92567243

PM: BV

Due Date: 10/25/21

CLIENT: 92-ATC_Colum

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

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	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 Jnp (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)	UG9H	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	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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).



PACE ANALYTICAL SERVICES, LLC
 106 Vantage Point Drive • West Columbia, SC 29172
 Telephone No. 803-791-9700 Fax No. 803-791-9111
 www.pacelabs.com

Number **126375**

Client

Atlas

Report to Contact

Brad Hubbard

Telephone No. / E-mail

Brad.Hubbard@pacelabs.com

Quote No.

Address

10904 D Main St

Sampler's Signature

[Signature]

Analysis (Attach list if more space is needed)

STEPS: COPPER, WHITE, IZDN + OXN

Page

11 of 16

City

Columbia

State

SC

Zip Code

29203

Printed Name

Corinne Kelly

Lot # Bar Code (Lab use only)

Project Name

CLC 2720586

Project No.

P.O. No.

92567243

Sample ID / Description
 (Containers for each sample may be combined on one line.)

Collection Date(s)

Collection Time (Military)

G-Grab
C-Composite

Matrix
 Aqueous
 Solid
 Non-
 matrix

No. of Containers
 by Preservative Type
 Unpres.
 H2SO4
 HNO3
 HCl
 NaOH
 5035 Klt
 Field Filtered

Weight

Volume

Remarks / Cooler I.D.

Sample ID / Description	Collection Date(s)	Collection Time (Military)	G-Grab C-Composite	Matrix	No. of Containers by Preservative Type	Weight	Volume	Remarks / Cooler I.D.
WSW-12	10/15	1402	G	✓	6	524.2	8260-0928	001
WSW-13	10/15	1648	G	✓	1	3	3	002
WSW-14	10/14	0718	G	✓	1	3	3	003
Dup 1	10/15	1550	G	✓	1	3	3	004
FB	10/15	1559	G	✓	1	3	3	005

Turn Around Time Required (Prior lab approval required for expedited TAT)

Standard Rush (Specify)

Sample Disposal
 Return to Client Disposal by Lab

Possible Hazard Identification
 Non-hazard Flammable Skin Irritant Poison Unknown

QC Requirements (Specify)

1. Relinquished by	Date	Time	1. Received by	Date	Time
<i>[Signature]</i>	10/18/21	0500	<i>[Signature]</i>	10/18	0500
2. Relinquished by	Date	Time	2. Received by	Date	Time
Juan A. H.	10/18/21	0950			
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by	Date	Time

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
 Received on ice (Circle) Yes No Ice Pack

Receipt Temp. _____ °C

Temp Blank Y N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: MEC03N2-01

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		

