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# ATLAS



## Corrective Action System Evaluation and Monitoring Report

2<sup>nd</sup> half 2022

Circle K # 2720886

UST Site # 01589

4315 Savannah Highway, Ravenel, South Carolina

### PREPARED FOR:



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

### PREPARED BY:

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**Corrective Action System Evaluation and Monitoring Report  
2nd Semi-Annual Period 2022**

**Circle K Store no. 2720886**

**Release Reported 8/2/2018**

4315 Savannah Highway  
Ravenel (Charleston County), South Carolina

**UST Permit No. 01589, CA # 61117**


ATC Project No. 257CK88613

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Underground Storage Tank Site Rehabilitation  
Contractor Certification No. 313

November 10, 2022

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## 1.0 INTRODUCTION

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

## 2.0 SITE DESCRIPTION

### 2.1 Site Characterization

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

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

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

## **2.2 Site Background**

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

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

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

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



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

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

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

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

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

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

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

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

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

### 3.0 SITE EVALUATION

#### 3.1 Free Product Measurements, Groundwater Flow

Water levels in all monitoring wells associated with the site were measured prior to sampling activities on September 27 and 28, 2022. Water levels were measured with decontaminated electronic water-level indicators, from the top of PVC casing to the water surface in each well. Wells within the area of concern (identified as wells with previously assessed LNAPL and significantly high dissolved constituent concentrations) were measured with a decontaminated oil/water interface probe, as these wells had the greatest potential to contain free-phase petroleum product atop the water table. Depths to water (and product, if encountered) were subtracted from the elevation datum at the top of each well's PVC casing to determine the water table elevation. Well construction details and historic water-level and product-level data since November 2018 is presented as **Table 1**. The groundwater elevations were posted on the site base map and used to construct the groundwater flow maps for the site.

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

Both groundwater flow maps indicate that the dominant direction of groundwater flow across the site is north to northwest, consistent with historical interpretations. Water levels on the site appeared on average 1.76 feet higher on the site than in March 2022. The horizontal gradient, as calculated between wells 01589 MW-15 and 01589 MW-38, is  $(18.11 - 14.58) / 350$  ft., or 0.01. The vertical hydraulic gradient, as measured between paired shallow and deep cased wells, was downward between well pairs 01589 MW-1/DW-1 (0.51 ft.), 01589

DMW-2/01589 MW-22 (0.19 ft.), 01589 MW16/01589 DW-4 (0.55 ft.), 01589 MW-24/01589 DW-3 (0.7 ft.), and 01589MW-34/DMW-5 (0.28 ft.).

LNAPL was encountered in monitoring well 01589 MW-6 and recovery wells 01589 RW-01, 01589 RW-5, 01589 RW-6, 01589 RW-09, and 01589 RW-11. Relative to data measured in March 2022, product thicknesses had increased in wells 01589 MW-6 (non-detected to 0.24 ft.), 01589 RW-1 (non-detected to 0.3 ft.), 01589 RW-5 (0.04 to 0.2 ft.), 01589 RW-6 (0.01 to 0.3 ft.), and 10589 RW-9 (non-detected to 0.12 ft.) Product was not detected in 01589 RW-10, which was present in March 2022. 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. Thickness measurement could not be made due to the emulsified nature and the damages casing of the well.

### 3.2 Groundwater Sampling and Analyses

Groundwater samples were collected from monitoring wells for analysis of chemicals of concern (COCs) on September 27 and 28, 2022. Samples were collected from all existing monitoring wells that were free of LNAPL at the site, including those with no established site-specific target levels (SSTLs). Samples were also collected from several recovery wells with no measurable LNAPL (specifically 01589 RW-2, 01589 RW-3, 01589 RW-4, 01589 RW-7, 01589 RW-8, 01589 RW-10, and 01589 RW-12). During the sampling event, it was discovered that off-site activities had resulted in the destruction of down gradient monitoring wells 01589 MW-26 and 01589 MW-37.

Monitoring wells in which the static water levels were above the screened interval were purged of standing water prior to sample collection. Removal of three to five well casing volumes was performed on these wells. Measurements of field parameters (temperature, pH, specific conductivity, dissolved oxygen, turbidity) were made and recorded prior to sample collection. Wells in which the static water table was situated within the well's screened interval were sampled without purging, although a measurement of field parameters was made and recorded prior to sample collection. Field data information sheets for all sampled wells are presented in **Appendix A**. Water generated during pre-sample purging was placed into steel 55-gallon drums and removed for disposal at a SCDHEC-approved facility on September 29, 2022. Water samples were collected with dedicated and disposable PVC bailers, with water transferred into laboratory-supplied 40 milliliter (ml) VOA bottles contained approximately 2 ml of preservative (hydrochloric acid). The bottles were filled so that there was no air headspace in the containers when sealed, as per EPA protocol. Bottles were sealed, labelled and placed in an iced cooler to maintain temperatures as close as possible to 4°C.

Duplicate samples were collected from wells 01589 MW-2 (DUP-1) and 01589 MW-33 (DUP-2) concurrent with collection of the original samples. Field blanks were collected on September 27 and 28, 2022 by introduction of de-ionized water provided by the laboratory into an unused bailer, and transferring the water into sample containers. Trip blanks and temperature blanks were also shipped the laboratory for the sampling event. 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 September 28, 2022, from the established sampling points set out in the CAP. Surface water sample points are indicated on **Figure 11**, and includes sample locations situated northeast, north and west of the area of investigation. Samples were collected using either a Teflon dipper or a PVC bailer. Where deep pooled water was encountered the sample was collected through the entire depth profile. During the sampling event, it was observed that sample locations 01589 SW-1 and 01589 SW-6 were dry, and no samples were collected. No duplicate samples were collected for surface water samples.

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

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

### **3.4 Water Well Sampling and Analysis**

Selected water supply wells were sampled in accordance with the CAP. Well locations 01589 WSW-12, WSW-13, and WSW-16 were accessed for sampling on September 28, 2022.

Water wells were sampled through existing plumbing at the well head after allowing an approximate five-minute purge of the system before sample collection. A quality control duplicate (DUP-1) was collected from water well 01589 WSW-12 on September 28, 2022. A field blank (01589 WSW-FB) was collected on the same day. A trip blank accompanied the sample shipper.



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

### 3.5 Data Quality Objectives

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

#### 3.5.1 Precision

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

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

Where:  $C_S$  = Concentration of the sample

$C_D$  = Concentration of the duplicate sample

The RPDs were compared to the 20% RPD limit established in Appendix E of the SCDHEC Programmatic QAPP. The results of the Precision Analysis are included in **Table 8** for monitoring and recovery wells, and **Table 9** for water wells. There were two instances where the 20% RPD was exceeded: naphthalene between 01589 MW-33 and DUP-2 (26%), and tert-amyl alcohol between 01589 MW-2 and DUP-1 (31%). These analyses required substantial sample dilutions which may have caused the deviations.

### **3.3.2 Bias**

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

### **3.3.3 Representativeness**

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

### **3.3.4 Completeness**

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

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

### **3.3.5 Comparability**

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

### **3.3.6 Method Sensitivity**

Laboratory method detection limits and reporting limits were reviewed and compared to the limits established in Appendix E of the SCDHEC Programmatic QAPP. The results of the Method Sensitivity analysis are included in **Tables 8, 9** and **10**, respectively. The following samples required dilutions due to high concentrations of certain constituents, so the sensitivity limits were not attained: samples from 01589 MW-1, 01589 MW-2, 01589 MW-7, 01589 MW-12, 01589 MW-13, 01589 MW-14, 01589 MW-15, 01589 MW-33, 01589 RW-2, 01589 RW-3, 01589 RW-7, 01589 RW-8, 01589 RW-10, and 01589 RW-12.

## 4.0 PERFORMANCE METRICS

### 4.1 Remediation System Operation

No remedial action occurred between the CASE sampling event in March 2022 and this event in September 2022.

### 4.2 Groundwater COC Level Evaluation

Based on the results of the CASE sampling performed for the 2<sup>nd</sup> half of 2022, the following observations are presented:

- > Water levels on the site (excluding the outbound wells to the north, west and south) were found to be on average 1.76 feet higher than in March 2022. Water levels may be decreasing due to excessive rain experienced in the area over the summer. As a result, it appears that LNAPL has re-mobilized in several recovery and monitoring wells. LNAPL has re-appeared in well 01589 MW-6 after having been absent in March 2022. Similarly, LNAPL has re-appeared in recovery wells 01589 RW-1 and 01589 RW-9. LNAPL remains in wells 01589 RW-5 and 01589 RW-6. The maximum thickness encountered was 0.3 ft. in 01589 RW-6. Emulsified product remains in well 01589 MW-11, but due to the well's damaged status, may not represent the product accumulation in this area.
- > Wells in which one or more COC are above respective SSTLs during this reporting period include 01589 MW-1, 01589 MW-2, 01589 MW-7, 01589 MW-12, 01589 MW-13, 01589 MW-15, 01589 MW-29, 01589 MW-32, 01589 MW-33, 01589 MW-38, 01589 RW-4, and 01589 RW-12.
- > COCs were below detection in water supply well samples and surface water samples collected during this reporting period. Two surface water locations were dry and could not be sampled.

The calculation of dissolved COC mass reduction is presented as **Table 11**. The calculated reduction of current dissolved COC mass relative to initial mass above SSTL mass is estimated at 14.4% for this reporting period.

## 5.0 SUMMARY

During this reporting period, Atlas sampled all but two monitoring wells associated with the site, seven of the nine surface water locations and three of the four water wells specified in the CAP. Monitoring wells 01589 MW-26 and 01589 MW-37 were found to have been destroyed by recent development of property to the north of the site. As these wells have always been shown to have no significant levels of CoCs, and as there is no evidence of active plume migration, it is recommended that these well not be replaced and be removed from further use for remediation efficacy. Two of the surface water sample locations were found to be dry, and will continued to be sampled during future events if water is present. Water well 01589 WSW-15 has been determined to be decommissioned and has been removed from the sampling program.

Activities planned for the upcoming period before the next sampling event include closure and replacement of damaged recovery well 01589 RW-11, installation of two additional recovery wells in proximity to this well, performance of free product recovery (by AFVR), and spot injection treatments in areas where no significant reduction in dissolved levels has been observed.

In accordance with the sampling schedule presented in the CAP, the second semi-annual sampling of all wells will be conducted in March 2023, and a CASE report of findings will be submitted.

## TABLES

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

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-1	11/22/2018	21.62	2.0 - 12.0	12.0	NM	4.82	0.00	16.80
	2/26/2019				NM	4.30	0.00	17.32
	3/11/2019				NM	4.53	0.00	17.09
	4/25/2019				NM	5.24	0.00	16.38
	7/8/2019				NM	4.17	0.00	17.45
	3/2/2020				NM	2.67	0.00	18.95
	4/20/2021				NM	5.09	0.00	16.53
	10/13/2021				NM	3.72	0.00	17.90
	3/29/2022				NM	5.93	0.00	15.69
	9/28/2022				NM	4.14	0.00	17.48
01589 MW-2	11/22/2018	21.59	2.0 - 12.0	12.0	NM	4.93	0.00	16.66
	2/12/2019				NM	3.37	0.00	18.22
	2/26/2019				NM	3.83	0.00	17.76
	3/11/2019				NM	4.07	0.00	17.52
	4/25/2019				NM	4.99	0.00	16.60
	7/8/2019				NM	3.78	0.00	17.81
	3/2/2020				2.28	2.30	0.02	19.28
	4/20/2021				NM	4.87	0.00	16.72
	10/13/2021				NM	3.41	0.00	18.18
	3/29/2022				NM	5.75	0.00	15.84
9/28/2022	NM	3.94	0.00	17.65				
01589 MW-3	11/22/2018	22.94	2.0 - 12.0	12.0	NM	5.47	0.00	17.47
	2/12/2019				NM	3.81	0.00	19.13
	2/26/2019				NM	4.29	0.00	18.65
	3/11/2019				NM	4.55	0.00	18.39
	4/25/2019				NM	5.31	0.00	17.63
	7/8/2019				NM	4.80	0.00	18.14
	3/2/2020				NM	3.10	0.00	19.84
	4/20/2021				NM	4.70	0.00	18.24
	10/13/2021				NM	4.01	0.00	18.93
	3/29/2022				NM	6.40	0.00	16.54
9/28/2022	NM	4.38	0.00	18.56				
01589 MW-4	11/22/2018	22.80	2.0 - 12.0	12.0	NM	4.70	0.00	18.10
	2/26/2019				NM	4.46	0.00	18.34
	3/11/2019				NM	4.67	0.00	18.13
	4/25/2019				NM	5.33	0.00	17.47
	7/8/2019				NM	3.77	0.00	19.03
	3/2/2020				NM	2.73	0.00	20.07
	4/20/2021				NM	4.85	0.00	17.95
	10/13/2021				NM	3.41	0.00	19.39
	3/29/2022				NM	6.15	0.00	16.65
	9/27/2022				NM	4.16	0.00	18.64
01589 MW-5	11/22/2018	23.57	2.0 - 12.0	12.0	NM	5.19	0.00	18.38
	2/26/2019				NM	4.46	0.00	19.11
	3/11/2019				NM	4.74	0.00	18.83
	4/25/2019				NM	5.41	0.00	18.16
	7/8/2019				NM	4.30	0.00	19.27
	3/2/2020				NM	3.13	0.00	20.44
	4/20/2021				NM	4.81	0.00	18.76
	10/13/2021				NM	3.68	0.00	19.89
	3/29/2022				NM	6.44	0.00	17.13
	9/27/2022				NM	4.33	0.00	19.24
01589 MW-6	11/22/2018	19.33	2.0 - 12.0	12.0	2.30	3.06	0.76	16.83
	2/12/2019				2.22	2.16	0.06	17.21
	2/26/2019				2.77	2.96	0.19	16.51
	3/11/2019				0.00	3.02	0.00	16.31
	4/25/2019				3.66	3.72	0.06	15.57
	7/8/2019				2.62	2.71	0.09	16.55
	3/2/2020				1.16	2.25	1.09	16.27
	4/20/2021				3.47	3.62	0.15	15.60
	10/13/2021				2.00	2.32	0.32	16.77
	3/30/2022				4.39	4.39	0.00	14.94
9/28/2022	2.55	2.79	0.24	16.36				
01589 MW-7	11/22/2018	19.55	2.0 - 12.0	12.0	NM	2.98	0.00	16.57
	2/12/2019				NM	2.45	0.00	17.10
	2/26/2019				NM	2.84	0.00	16.71
	3/11/2019				NM	2.99	0.00	16.56
	4/25/2019				NM	3.61	0.00	15.94
	7/8/2019				NM	2.44	0.00	17.11
	3/2/2020				NM	1.80	0.00	17.75
	4/20/2021				NM	3.96	0.00	15.59
	10/14/2021				NM	2.33	0.00	17.22
	3/30/2022				NM	4.18	0.00	15.37
9/28/2022	NM	2.81	0.00	16.74				

btoc = below top of casing  
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 NA = not applicable  
 corrected water table elevation = TOC elev - DTW + (0.74)(product thickness)  
 \* = product thickness measured through use of a bailer



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

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-8	11/22/2018	19.14	2.0 - 12.0	12.0	NM	3.05	0.00	16.09
	2/26/2019				NM	2.80	0.00	16.34
	3/11/2019				NM	2.93	0.00	16.21
	4/25/2019				NM	3.64	0.00	15.50
	7/8/2019				NM	2.52	0.00	16.62
	3/2/2020				NM	1.52	0.00	17.62
	4/20/2021				NM	3.71	0.00	15.43
	10/14/2021				NM	2.21	0.00	16.93
	3/30/2022				NM	3.94	0.00	15.20
	9/28/2022				NM	3.09	0.00	16.05
01589 MW-9	11/22/2018	16.50	2.0 - 12.0	12.0	NM	2.32	0.00	14.18
	2/26/2019				NM	2.77	0.00	13.73
	3/11/2019				NM	2.82	0.00	13.68
	4/25/2019				NM	3.33	0.00	13.17
	7/8/2019				NM	2.30	0.00	14.20
	3/2/2020				NM	2.03	0.00	14.47
	4/20/2021				well not found			
	10/14/2021				NM	2.37	0.00	14.13
	3/30/2022				NM	3.35	0.00	13.15
	9/27/2022				NM	3.13	0.00	13.37
01589 MW-10	11/22/2018	17.63	2.0 - 12.0	12.0	NM	3.09	0.00	14.54
	2/26/2019				NM	3.04	0.00	14.59
	3/11/2019				NM	3.04	0.00	14.59
	4/25/2019				NM	3.61	0.00	14.02
	7/8/2019				NM	2.73	0.00	14.90
	3/2/2020				NM	2.26	0.00	15.37
	4/20/2021				NM	3.92	0.00	13.71
	10/14/2021				NM	2.66	0.00	14.97
	3/30/2022				NM	3.53	0.00	14.10
	9/27/2022				NM	3.53	0.00	14.10
01589 MW-11	11/22/2018	18.13	2.0 - 12.0	12.0	NM	2.85	0.00	15.28
	2/26/2019				NM	3.03	0.00	15.10
	3/11/2019				NM	3.09	0.00	15.04
	4/25/2019				NM	3.76	0.00	14.37
	7/8/2019				NM	2.74	0.00	15.39
	3/2/2020				NM	2.36	0.00	15.77
	4/20/2021				NM	4.03	0.00	14.10
	10/14/2021				NM	2.54	0.00	15.59
	3/29/2022				NM	3.56	0.00	14.57
	9/27/2022				NM	3.78	0.00	14.35
01589 MW-12	11/22/2018	21.38	2.0 - 12.0	12.0	NM	4.76	0.00	16.62
	2/12/2019				NM	3.70	0.00	17.68
	2/26/2019				NM	4.15	0.00	17.23
	3/11/2019				NM	4.36	0.00	17.02
	4/25/2019				NM	5.28	0.00	16.10
	7/8/2019				NM	3.97	0.00	17.41
	3/2/2020				NM	2.17	0.00	19.21
	4/20/2021				NM	5.19	0.00	16.19
	10/13/2021				NM	3.54	0.00	17.84
	3/29/2022				NM	5.83	0.00	15.55
9/28/2022	NM	4.24	0.00	17.14				
01589 MW-13	11/22/2018	20.48	2.0 - 12.0	12.0	NM	4.07	0.00	16.41
	2/12/2019				NM	3.11	0.00	17.37
	2/26/2019				NM	3.54	0.00	16.94
	3/11/2019				NM	3.71	0.00	16.77
	4/25/2019				NM	4.70	0.00	15.78
	7/8/2019				NM	3.26	0.00	17.22
	3/2/2020				NM	1.95	0.00	18.53
	4/20/2021				NM	4.61	0.00	15.87
	10/13/2021				NM	2.74	0.00	17.74
	3/29/2022				NM	5.21	0.00	15.27
9/27/2022	NM	3.66	0.00	16.82				
01589 MW-14	11/22/2018	23.45	2.0 - 12.0	12.0	NM	5.96	0.00	17.49
	2/26/2019				NM	4.60	0.00	18.85
	3/11/2019				NM	4.85	0.00	18.60
	4/25/2019				NM	5.92	0.00	17.53
	7/8/2019				NM	5.10	0.00	18.35
	3/2/2020				NM	3.17	0.00	20.28
	4/20/2021				NM	5.40	0.00	18.05
	10/13/2021				NM	4.20	0.00	19.25
	3/29/2022				NM	6.69	0.00	16.76
	9/27/2022				NM	4.95	0.00	18.50

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 \* = product thickness measured through use of a bailer

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

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-15	11/22/2018	22.82	2.0 - 12.0	12.0	NM	5.48	0.00	17.34
	2/26/2019				NM	4.41	0.00	18.41
	3/11/2019				NM	4.89	0.00	17.93
	4/25/2019				NM	5.95	0.00	16.87
	7/8/2019				NM	4.70	0.00	18.12
	3/2/2020				NM	3.05	0.00	19.77
	4/20/2021				NM	5.67	0.00	17.15
	10/13/2021				NM	4.12	0.00	18.70
	3/29/2022				NM	6.63	0.00	16.19
	9/27/2022				NM	4.71	0.00	18.11
01589 MW-16	11/22/2018	21.18	2.0 - 12.0	12.0	NM	4.10	0.00	17.08
	2/12/2019				NM	2.89	0.00	18.29
	2/26/2019				NM	3.30	0.00	17.88
	3/11/2019				NM	3.59	0.00	17.59
	4/25/2019				NM	4.44	0.00	16.74
	7/8/2019				NM	3.04	0.00	18.14
	3/2/2020				NM	2.03	0.00	19.15
	4/20/2021				NM	4.45	0.00	16.73
	10/13/2021				NM	2.61	0.00	18.57
	3/29/2022				NM	5.33	0.00	15.85
9/27/2022	NM	3.43	0.00	17.75				
01589 MW-17	11/22/2018	20.96	2.0 - 12.0	12.0	NM	4.04	0.00	16.92
	2/26/2019				NM	3.40	0.00	17.56
	3/11/2019				NM	3.68	0.00	17.28
	4/25/2019				NM	4.75	0.00	16.21
	7/8/2019				NM	3.09	0.00	17.87
	3/2/2020				NM	1.75	0.00	19.21
	4/20/2021				NM	4.65	0.00	16.31
	10/13/2021				NM	2.74	0.00	18.22
	3/29/2022				NM	5.39	0.00	15.57
	9/27/2022				NM	3.66	0.00	17.30
01589 MW-18	11/22/2018	20.05	2.0 - 12.0	12.0	NM	3.86	0.00	16.19
	2/26/2019				NM	3.44	0.00	16.61
	3/11/2019				NM	3.56	0.00	16.49
	4/25/2019				NM	4.59	0.00	15.46
	7/8/2019				NM	3.29	0.00	16.76
	3/2/2020				NM	3.07	0.00	16.98
	4/20/2021				NM	4.62	0.00	15.43
	10/13/2021				NM	2.68	0.00	17.37
	3/29/2022				NM	5.17	0.00	14.88
	9/27/2022				NM	3.64	0.00	16.41
01589 MW-19	11/22/2018	19.82	2.0 - 12.0	12.0	NM	3.71	0.00	16.11
	2/26/2019				NM	2.74	0.00	17.08
	3/11/2019				NM	2.70	0.00	17.12
	4/25/2019				NM	4.71	0.00	15.11
	7/8/2019				NM	3.05	0.00	16.77
	3/2/2020				NM	1.86	0.00	17.96
	4/20/2021				NM	4.72	0.00	15.10
	10/13/2021				NM	2.30	0.00	17.52
	3/29/2022				NM	5.22	0.00	14.60
	9/27/2022				NM	3.73	0.00	16.09
01589 MW-20	11/22/2018	18.53	2.0 - 12.0	12.0	NM	2.71	0.00	15.82
	2/26/2019				NM	2.60	0.00	15.93
	3/11/2019				NM	2.76	0.00	15.77
	4/25/2019				NM	3.74	0.00	14.79
	7/8/2019				NM	2.19	0.00	16.34
	3/2/2020				NM	0.80	0.00	17.73
	4/20/2021				NM	3.78	0.00	14.75
	10/13/2021				NM	1.48	0.00	17.05
	3/29/2022				NM	4.13	0.00	14.40
	9/28/2022				NM	2.87	0.00	15.66
01589 MW-21	11/22/2018	16.16	2.0 - 12.0	12.0	NM	1.34	0.00	14.82
	2/26/2019				NM	0.00	0.00	16.16
	3/11/2019				NM	0.99	0.00	15.17
	4/25/2019				NM	1.24	0.00	14.92
	7/8/2019				NM	0.25	0.00	15.91
	3/2/2020				NM	0.00	0.00	16.16
	4/20/2021				NM	2.35	0.00	13.81
	10/14/2021				NM	0.50	0.00	15.66
	3/28/2022				NM	2.32	0.00	13.84
	9/27/2022				NM	1.50	0.00	14.66

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 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-22	11/22/2018	18.79	2.0 - 12.0	12.0	NM	3.96	0.00	14.83
	2/26/2019				NM	3.97	0.00	14.82
	3/11/2019				NM	4.10	0.00	14.69
	4/25/2019				NM	5.03	0.00	13.76
	7/8/2019				NM	3.56	0.00	15.23
	3/2/2020				NM	2.17	0.00	16.62
	4/20/2021				NM	5.16	0.00	13.63
	10/14/2021				NM	3.03	0.00	15.76
	3/28/2022				NM	5.19	0.00	13.60
	9/27/2022				NM	4.28	0.00	14.51
01589 MW-23	11/22/2018	22.36	5.0 - 15.0	15.0	NM	7.61	0.00	14.75
	2/26/2019				NM	7.33	0.00	15.03
	3/11/2019				NM	7.49	0.00	14.87
	4/25/2019				NM	8.50	0.00	13.86
	7/8/2019				NM	7.24	0.00	15.12
	3/2/2020				NM	4.89	0.00	17.47
	4/20/2021				NM	8.71	0.00	13.65
	10/14/2021				NM	6.46	0.00	15.90
	3/29/2022				NM	8.78	0.00	13.58
	9/27/2022				NM	7.82	0.00	14.54
01589 MW-24	11/22/2018	22.50	5.0 - 15.0	15.0	NM	6.96	0.00	15.54
	2/12/2019				NM	6.46	0.00	16.04
	2/26/2019				NM	6.81	0.00	15.69
	3/11/2019				NM	6.99	0.00	15.51
	4/25/2019				NM	7.97	0.00	14.53
	7/8/2019				NM	6.61	0.00	15.89
	3/2/2020				NM	4.83	0.00	17.67
	4/20/2021				NM	8.05	0.00	14.45
	10/15/2021				NM	5.83	0.00	16.67
	3/29/2022				NM	8.02	0.00	14.48
9/27/2022	NM	6.91	0.00	15.59				
01589 MW-25	11/22/2018	16.46	2.0 - 12.0	12.0	NM	0.22	0.00	16.24
	2/26/2019				NM	1.37	0.00	15.09
	3/11/2019				NM	1.24	0.00	15.22
	4/25/2019				NM	1.90	0.00	14.56
	7/8/2019				NM	0.78	0.00	15.68
	3/2/2020				NM	0.00	0.00	16.46
	4/20/2021				NM	1.95	0.00	14.51
	10/15/2021				NM	0.79	0.00	15.67
	3/29/2022				NM	2.09	0.00	14.37
	9/27/2022				NM	1.49	0.00	14.97
01589 MW-26	11/22/2018	21.36	5.0 - 15.0	15.0	NM	6.96	0.00	14.40
	2/26/2019				NM	6.96	0.00	14.40
	3/11/2019				NM	7.15	0.00	14.21
	4/25/2019				NM	8.37	0.00	12.99
	7/8/2019				NM	6.38	0.00	14.98
	3/2/2020				NM	4.31	0.00	17.05
	4/20/2021				NM	8.60	0.00	12.76
	10/14/2021				NM	5.72	0.00	15.64
	3/28/2022				NM	8.32	0.00	13.04
	9/27/2022				well destroyed			
01589 MW-27	11/22/2018	20.77	5.0 - 15.0	15.0	NM	6.97	0.00	13.80
	2/26/2019				NM	7.31	0.00	13.46
	3/11/2019				NM	7.44	0.00	13.33
	4/25/2019				NM	8.31	0.00	12.46
	7/8/2019				NM	6.70	0.00	14.07
	3/2/2020				NM	4.74	0.00	16.03
	4/20/2021				NM	8.52	0.00	12.25
	10/14/2021				NM	5.86	0.00	14.91
	3/29/2022				NM	2.94	0.00	17.83
	9/27/2022				NM	8.24	0.00	12.53
01589 MW-28	11/22/2018	18.18	2.0 - 12.0	12.0	NM	5.02	0.00	13.16
	2/26/2019				NM	4.93	0.00	13.25
	3/11/2019				NM	5.01	0.00	13.17
	4/25/2019				NM	5.69	0.00	12.49
	7/8/2019				NM	4.81	0.00	13.37
	3/2/2020				NM	3.12	0.00	15.06
	4/20/2021				NM	5.78	0.00	12.40
	10/15/2021				NM	4.12	0.00	14.06
	3/29/2022				NM	5.52	0.00	12.66
	9/27/2022				NM	5.23	0.00	12.95

btoc = below top of casing  
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 \* = product thickness measured through use of a bailer

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

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 MW-29	11/22/2018	22.35	5.0 - 15.0	15.0	NM	7.01	0.00	15.34
	2/26/2019				NM	6.68	0.00	15.67
	3/11/2019				NM	6.84	0.00	15.51
	4/25/2019				NM	4.93	0.00	17.42
	7/8/2019				NM	6.62	0.00	15.73
	3/2/2020				NM	4.24	0.00	18.11
	4/20/2021				NM	8.02	0.00	14.33
	10/14/2021				NM	5.73	0.00	16.62
	3/29/2022				NM	8.05	0.00	14.30
	9/27/2022				NM	6.89	0.00	15.46
01589 MW-30	11/22/2018	18.06	2.0 - 12.0	12.0	NM	3.27	0.00	14.79
	2/26/2019				NM	3.30	0.00	14.76
	3/11/2019				NM	3.44	0.00	14.62
	4/25/2019				NM	4.38	0.00	13.68
	7/8/2019				NM	2.89	0.00	15.17
	3/2/2020				NM	1.74	0.00	16.32
	4/20/2021				NM	4.51	0.00	13.55
	10/14/2021				NM	2.36	0.00	15.70
	3/28/2022				NM	4.52	0.00	13.54
	9/27/2022				NM	3.61	0.00	14.45
01589 MW-31	11/22/2018	23.28	2.0 - 12.0	12.0	NM	7.64	0.00	15.64
	2/26/2019				NM	7.58	0.00	15.70
	3/11/2019				NM	7.69	0.00	15.59
	4/25/2019				NM	8.55	0.00	14.73
	7/8/2019				NM	7.21	0.00	16.07
	3/2/2020				NM	5.91	0.00	17.37
	4/20/2021				NM	8.78	0.00	14.50
	10/15/2021				NM	6.73	0.00	16.55
	3/29/2022				NM	7.02	0.00	16.26
	9/27/2022				NM	7.82	0.00	15.46
01589 MW-32	2/26/2019	22.80	3.0-13.0	13.0	NM	4.64	0.00	18.16
	3/11/2019				NM	4.97	0.00	17.83
	4/25/2019				NM	5.59	0.00	17.21
	7/8/2019				NM	4.97	0.00	17.83
	3/2/2020				NM	3.52	0.00	19.28
	4/20/2021				NM	5.03	0.00	17.77
	10/13/2021				NM	4.32	0.00	18.48
	3/29/2022				NM	6.62	0.00	16.18
	9/28/2022				NM	4.54	0.00	18.26
	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			
3/29/2022		NM	6.23	0.00	16.03			
9/28/2022		NM	5.00	0.00	17.26			
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
	3/29/2022	NM				10.22	0.00	16.34
	9/27/2022	NM				8.26	0.00	18.30
	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			
3/29/2022		NM	9.03	0.00	16.12			
9/27/2022		NM	7.09	0.00	18.06			
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
	3/30/2022	NM				4.22	0.00	14.78
	9/28/2022	NM				2.78	0.00	16.22

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-37	2/26/2019	23.01	3.0-13.0	13.0	NM	8.31	0.00	14.70
	3/11/2019				NM	8.51	0.00	14.50
	4/25/2019				NM	9.72	0.00	13.29
	7/8/2019				NM	8.03	0.00	14.98
	3/2/2020				NM	5.65	0.00	17.36
	4/20/2021				NM	9.81	0.00	13.20
	10/14/2021				NM	7.17	0.00	15.84
	3/29/2022				NM	9.28	0.00	13.73
	9/27/2022				well destroyed			
01589 MW-38	2/26/2019	23.25	3.0-13.0	13.0	NM	8.19	0.00	15.06
	3/11/2019				NM	8.36	0.00	14.89
	4/25/2019				NM	9.50	0.00	13.75
	7/8/2019				NM	8.01	0.00	15.24
	3/2/2020				NM	5.82	0.00	17.43
	4/20/2021				NM	9.60	0.00	13.65
	10/14/2021				NM	7.08	0.00	16.17
	3/29/2022				NM	9.48	0.00	13.77
	9/27/2022				NM	8.67	0.00	14.58
01589 DMW-1	11/22/2018	21.84	34.0 - 39.0	39.0	NM	5.11	0.00	16.73
	2/26/2019				NM	4.87	0.00	16.97
	3/11/2019				NM	4.94	0.00	16.90
	4/25/2019				NM	5.81	0.00	16.03
	7/8/2019				NM	4.13	0.00	17.71
	3/2/2020				NM	3.29	0.00	18.55
	4/20/2021				NM	5.97	0.00	15.87
	10/14/2021				NM	2.87	0.00	18.97
	3/29/2022				NM	6.32	0.00	15.52
9/28/2022	NM	4.87	0.00	16.97				
01589 DMW-2	11/22/2018	18.81	34.0 - 39.0	39.0	NM	8.25	0.00	10.56
	2/26/2019				NM	3.81	0.00	15.00
	3/11/2019				NM	3.89	0.00	14.92
	4/25/2019				NM	4.91	0.00	13.90
	7/8/2019				NM	3.49	0.00	15.32
	3/2/2020				NM	2.19	0.00	16.62
	4/20/2021				NM	5.06	0.00	13.75
	10/15/2021				NM	2.87	0.00	15.94
	3/29/2022				NM	5.11	0.00	13.70
9/27/2022	NM	4.11	0.00	14.70				
01589 DMW-3	11/22/2018	23.33	35.0 - 40.0	40.0	NM	3.65	0.00	19.68
	2/26/2019				NM	8.20	0.00	15.13
	3/11/2019				NM	8.34	0.00	14.99
	4/25/2019				NM	9.13	0.00	14.20
	7/8/2019				NM	7.92	0.00	15.41
	3/2/2020				NM	6.71	0.00	16.62
	4/20/2021				NM	9.27	0.00	14.06
	10/15/2021				NM	7.40	0.00	15.93
	3/29/2022				NM	9.25	0.00	14.08
9/27/2022	NM	8.44	0.00	14.89				
01589 DMW-4	7/8/2019	21.13	40.0 - 45.0	45.0	NM	4.30	0.00	16.83
	3/2/2020				NM	3.78	0.00	17.35
	4/20/2021				NM	4.91	0.00	16.22
	10/13/2021				NM	2.86	0.00	18.27
	3/30/2022				NM	5.58	0.00	15.55
9/27/2022	NM	2.83	0.00	18.30				
01589 DMW-5	7/8/2019	26.38	38.0 - 43.0	43.0	NM	8.06	0.00	18.32
	3/2/2020				NM	6.88	0.00	19.50
	4/20/2021				NM	9.27	0.00	17.11
	10/15/2021				NM	7.56	0.00	18.82
	3/30/2022				NM	10.19	0.00	16.19
9/27/2022	NM	8.36	0.00	18.02				
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	17.23
	10/13/2021				3.59	3.66	0.07	17.28
	3/30/2022				5.94	5.94	0.00	15.69
9/28/2022	4.00	4.30	0.30	17.11				

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

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

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 RW-2	11/22/2018	21.51	2.0 - 12.0	12.0	NM	4.28	0.00	17.23
	2/26/2019				3.91	3.95	0.04	17.59
	3/11/2019				4.20	4.24	0.04	17.30
	4/25/2019				NM	4.69	0.00	16.82
	7/8/2019				2.22	2.78	0.56	19.14
	4/20/2021				4.34	4.40	0.06	17.15
	10/13/2021				NM	3.18	0.00	18.33
	3/30/2022				0.00	5.99	0.00	15.52
	9/28/2022				0.00	3.54	0.00	17.97
	01589 RW-3				11/22/2018	21.95	2.0 - 12.0	12.0
2/26/2019		NM	4.36	0.00	17.59			
3/11/2019		NM	4.58	0.00	17.37			
4/25/2019		NM	5.14	0.00	16.81			
7/8/2019		3.80	5.36	1.56	17.74			
3/2/2020		2.75	3.31	0.56	18.23			
4/20/2021		4.77	4.83	0.06	17.08			
10/13/2021		NM	3.66	0.00	18.29			
3/30/2022		0.00	5.54	0.00	16.41			
9/28/2022		0.00	4.06	0.00	17.89			
01589 RW-4	11/22/2018	21.80	2.0 - 12.0	12.0	NM	3.91	0.00	17.89
	2/26/2019				NM	3.70	0.00	18.10
	3/11/2019				NM	3.88	0.00	17.92
	4/25/2019				NM	4.49	0.00	17.31
	7/8/2019				NM	3.38	0.00	18.42
	3/2/2020				NM	2.12	0.00	19.68
	4/20/2021				NM	4.15	0.00	17.65
	10/13/2021				NM	2.96	0.00	18.84
	3/30/2022				0.00	5.42	0.00	16.38
	9/28/2022				0.00	3.46	0.00	18.34
01589 RW-5	11/22/2018	19.76	2.0 - 12.0	12.0	2.80	3.16	0.36	16.87
	2/26/2019				2.52	3.11	0.59	17.09
	3/11/2019				2.76	3.31	0.55	16.86
	4/25/2019				3.25	5.02	1.77	16.05
	7/8/2019				2.08	3.72	1.64	17.25
	3/2/2020				0.35	2.87	2.52	15.03
	4/20/2021				3.27	4.02	0.75	15.19
	10/13/2021				1.98	2.11	0.13	17.55
	3/30/2022				4.25	4.29	0.04	15.44
	9/28/2022				2.48	2.68	0.20	16.93
01589 RW-6	11/22/2018	19.20	2.0 - 12.0	12.0	3.11	4.42	1.31	15.75
	2/26/2019				1.91	4.09	2.18	16.72
	3/11/2019				2.52	2.98	0.46	16.56
	4/25/2019				2.95	4.67	1.72	15.80
	7/8/2019				1.70	3.70	2.00	14.02
	3/2/2020				0.37	2.04	1.67	15.92
	4/20/2021				2.85	3.22	0.37	15.71
	10/13/2021				1.37	2.56	1.19	15.76
	3/30/2022				3.91	3.92	0.01	15.27
	9/28/2022				2.66	2.96	0.30	16.02
01589 RW-7	2/26/2019	21.53	3.0-13.0	13.0	NM	4.40	0.00	17.13
	3/11/2019				NM	4.66	0.00	16.87
	4/25/2019				NM	5.37	0.00	16.16
	7/8/2019				4.12	4.57	0.45	16.63
	3/2/2020				2.84	3.00	0.16	18.41
	4/20/2021				5.17	5.37	0.20	16.01
	10/13/2021				3.70	3.82	0.12	17.62
	3/30/2022				6.10	6.10	0.00	15.43
	9/28/2022				4.28	4.28	0.00	17.25
	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			
3/30/2022		0.00	4.10	0.00	14.57			
9/28/2022		0.00	2.14	0.00	16.53			
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
	3/30/2022	4.44				4.44	0.00	14.92
	9/28/2022	2.69				2.81	0.12	16.64

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

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

Monitoring Well Identification	Gauging Date	Top of Casing Elevation (feet)	Screened Interval (feet btoc)	Depth of Well (feet btoc)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Water Table Elevation* (feet)
01589 RW-10	2/26/2019	17.00	3.0-13.0	13.0	2.00	3.99	1.99	14.48
	3/11/2019				2.28	2.61	0.33	14.63
	4/25/2019				3.00	4.57	1.57	13.59
	7/8/2019				2.07	3.44	1.37	12.55
	3/2/2020				1.61	2.18	0.57	14.40
	4/20/2021				3.09	3.31	0.22	13.53
	10/14/2021				1.71	1.72	0.01	15.27
	3/30/2022				3.87	3.89	0.02	13.10
	9/28/2022				2.22	2.22	0.00	14.78
01589 RW-11	2/26/2019	17.49	1.0-6.0	6.0	1.39	1.80	0.41	15.99
	3/11/2019				not gauged		0.50*	NM
	4/25/2019				not gauged		1.30*	NM
	7/8/2019				1.05	2.55	1.50	13.83
	3/2/2020				not gauged		6.00	NM
	4/20/2021				2.26	2.94	0.68	14.05
	10/15/2021				1.06	6.00	4.94	7.83
	3/30/2022				0.01	2.47	2.46	13.20
	9/28/2022				NM	NM	NM	NM
01589 RW-12	2/26/2019	17.05	1.0-6.0	6.0	NM	1.09	NA	15.96
	3/11/2019				NM	1.19	NA	15.86
	4/25/2019				NM	2.06	NA	14.99
	7/8/2019				NM	0.86	NA	16.19
	3/2/2020				not gauged		NA	NM
	4/20/2021				NM	2.07	0.00	14.98
	10/15/2021				NM	0.50	0.00	16.55
	3/30/2022				2.43	2.43	0.00	14.62
	9/28/2022				1.39	1.39	0.00	15.66

btoc = below top of casing

NM = no measurable product present

NA = not applicable

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

\* = product thickness measured through use of a bailer

**Table 2**  
**Groundwater Analytical Data**  
**2nd Half 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	9/28/2022	7,010	17,600	1,190	5,390	495	166	<100	<10,000	<100	19,800 J	<10,000	9,090 J	<1,000	<1,000	<5,000
01589 MW-2	9/28/2022	7,660	16,000	1,150	5,490	394	175	<125	<12,500	<125	<25,000	<12,500	16,200	<1,250	<1,250	<6,250
01589 MW-3	9/28/2022	104	1.4	4.6	13.9	<1.0	<1.0	<1.0	<100	<1.0	<200	31.7 J	215	<10.0	<10.0	<50.0
01589 MW-4	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-5	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-6	9/27/2022	no sample due to free product														
01589 MW-7	9/28/2022	877	123	375	598	<5.0	46.5	<5.0	<500	<5.0	<1,000	<500	1,580	<50.0	<50.0	<250
01589 MW-8	9/28/2022	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<200	<2.0	<400	<200	<200	<20.0	<20.0	<100
01589 MW-9	9/27/2022	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-10	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-11	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-12	9/28/2022	846	9.6	149	8.1	<5.0	5.5	<5.0	<500	<5.0	<1,000	<500	274 J	<50.0	<50.0	<250
01589 MW-13	9/27/2022	63	18.8	1,040	2,420	<10.0	491	<10.0	<1,000	<10.0	<2,000	<1,000	<1,000	<100	<100	<500
01589 MW-14	9/27/2022	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<1,250	<12.5	<2,500	<1,250	<1,250	<125	<125	<625
01589 MW-15	9/27/2022	3,130	5,870	727	3,170	<50.0	60.5	<50.0	<5,000	<50.0	<10,000	<5,000	8,510	<500	<500	<2,500
01589 MW-16	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-17	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-18	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-19	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-20	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-21	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-22	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	283	<100	<100	<10.0	<10.0	<50.0
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**  
**2nd 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
<b>RBSL</b>		<b>5.0</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>40.0</b>	<b>25.0</b>	<b>5,000</b>	<b>NE</b>	<b>150</b>	<b>10,000</b>	<b>1,400</b>	<b>240</b>	<b>128</b>	<b>47.0</b>	<b>NE</b>
01589 MW-23	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-24	9/27/2022	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<250	<2.5	<500	<250	<250	<25.0	<25.0	<125
01589 MW-25	9/27/2022	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-27	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-28	9/27/2022	<2.0	2.1	1.6 J	<2.0	<2.0	<2.0	<2.0	<200	<2.0	<400	<200	<200	<20.0	<20.0	<100
01589 MW-29	9/27/2022	<2.5	<2.5	<2.5	<2.5	20.6	<2.5	<2.5	<250	<2.5	<500	139 J	<b>922</b>	<25.0	<25.0	<125
01589 MW-30	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-31	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-32	9/28/2022	<b>571</b>	5.3	11.9	18.3	9	5.1	<5.0	<500	<5.0	<1,000	<500	<b>702</b>	<50.0	18.9 J	<250
01589 MW-33	9/28/2022	<b>12,100</b>	<b>46,300</b>	<b>3,770</b>	<b>19,800</b>	<b>217 J</b>	<b>394 J</b>	<400	<40,000	<400	<80,000	<40,000	<40,000	<4,000	<4,000	<20,000
01589 MW-34	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-35	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 MW-36	9/28/2022	1.2	<1.0	2.8	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	137	<10.0	<10.0	<50.0
01589 MW-38	9/27/2022	0.5 J	<1.0	<1.0	<1.0	70.5	<1.0	<1.0	<100	1.5	<200	105	58.5 J	10.5	19.5	<50.0
01589 DMW-1	9/28/2022	0.44 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-2	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-3	9/27/2022	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-4	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 DMW-5	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 RW-1	9/28/2022	no sample due to free product														
01589 RW-2	9/28/2022	<b>2,740</b>	<b>6,050</b>	411	2,190	<b>166</b>	<b>128</b>	<50.0	<5,000	<50.0	<b>47,200</b>	<5,000	<5,000	<500	<500	<2,500
01589 RW-3	9/28/2022	<b>5,890</b>	<b>28,700</b>	<b>3,510</b>	<b>21,300</b>	<b>117 J</b>	<b>396</b>	<200	<20,000	<200	<40,000	<20,000	<b>22,100</b>	<2,000	<2,000	<10,000
01589 RW-4	9/28/2022	11.1	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<400	<4.0	<800	<400	<400	<40.0	<40.0	<200
<b>RBSL</b>		<b>5.0</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>40.0</b>	<b>25.0</b>	<b>5,000</b>	<b>NE</b>	<b>150</b>	<b>10,000</b>	<b>1,400</b>	<b>240</b>	<b>128</b>	<b>47.0</b>	<b>NE</b>

Notes:  
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RBSL = May 15, 2001 SCDHEC Risk Based Screening Level  
**Bold concentrations equal or exceed the corresponding RBSL**  
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**Table 2**  
**Groundwater Analytical Data**  
**2nd 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
<b>RBSL</b>		<b>5.0</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>40.0</b>	<b>25.0</b>	<b>5.000</b>	<b>NE</b>	<b>150</b>	<b>10,000</b>	<b>1,400</b>	<b>240</b>	<b>128</b>	<b>47.0</b>	<b>NE</b>
01589 RW-5	9/28/2022	no sample due to free product														
01589 RW-6	9/28/2022	no sample due to free product														
01589 RW-7	9/28/2022	<b>12,300</b>	<b>23,800</b>	<b>1,250</b>	<b>11,600</b>	<b>229</b>	<b>179 J</b>	<200	<20,000	<200	<40,000	<20,000	<b>22,300</b>	<2,000	<2,000	<10,000
01589 RW-8	9/28/2022	<b>3,050</b>	<b>4,360</b>	<b>881</b>	6,290	<b>136</b>	<b>140</b>	<25.0	<2,500	<25.0	<5,000	738 J	<b>12,400</b>	<250	<250	<1,250
01589 RW-9	9/28/2022	no sample due to free product														
01589 RW-10	9/28/2022	<b>6,420</b>	<b>17,100</b>	<b>1,390</b>	7,390	<b>95.3 J</b>	<b>329</b>	<125	<12,500	<125	<25,000	<12,500	<b>22,400</b>	<1,250	<1,250	<6,250
01589 RW-11	9/28/2022	no sample due to free product														
01589 RW-12	9/28/2022	<b>2,070</b>	<b>9,639</b>	636	<b>10,300</b>	<50.0	<b>233</b>	<50.0	<5,000	<50.0	<10,000	<5,000	<b>2,060 J</b>	<500	<500	<2,500
<b>RBSL</b>		<b>5.0</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>40.0</b>	<b>25.0</b>	<b>5.000</b>	<b>NE</b>	<b>150</b>	<b>10,000</b>	<b>1,400</b>	<b>240</b>	<b>128</b>	<b>47.0</b>	<b>NE</b>

Notes:

Units = µg/L

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RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

**Bold concentrations equal or exceed the corresponding RBSL**

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**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	Dialkylpropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl-tert-butyl ether	tert-Butyl formate
01589 MW-10	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<1.0	<1.0	<1.0	<1.0	<1.0	0.74 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	1,000	100	100	--	100	--	
01589 MW-11	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<1.0	<1.0	<1.0	<1.0	<1.0	0.39 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	1,000	100	100	--	100	--	
01589 MW-12	9/28/2022	846	9.6	149	8.1	<5.0	5.5	<5.0	<500	<5.0	<1,000	<500	274 J	<50.0	<50.0	<250
	3/29/2022	2,450	27.8	163	42.3	<12.5	8.1 J	<12.5	<1,250	<12.5	<2,500	<1,250	<1,250	<125	40.8 J	<625
	10/13/2021	700	20.1	127	16.9	7.2	9.1	<5.0	<500	<5.0	<1,000	<500	352 J	<50.0	16.9 J	<250
	4/21/2021	1,440	27.5	152	112	11 J	<12.5	<12.5	<1,250	<12.5	<2,500	<1,250	<1,250	<125	<125	<625
	3/3/2020	609	18.9	81.2	52.4	13.8	11.7	<5.0	<500	<5.0	<1,000	<500	1,140	<50.0	34.8 J	<250
	07/10/2019	410	12.7	46.5	24.5	9.8	9.1	<2.5	<250	<2.5	<500	<250	1,370	<25.0	25.9	<125
	11/28/2018	700	35	110	70	<20.0	19 J	<20.0	<400	<20.0	<2,000	<400	330 J	<200	18J	<100
	SSTL	7	13	47	25	10	9	--	--	1,000	250	382	--	26	--	
01589 MW-13	9/27/2022	63	18.8	1,040	2,420	<10.0	491	<10.0	<1,000	<10.0	<2,000	<1,000	<1,000	<100	<100	<500
	3/29/2022	17	0.74 J	69	29	<1.0	16.9	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/13/2021	30.9	1.5 J	113	93	<2.0	45.7	<2.0	<200	<2.0	<400	<200	<200	<20.0	<20.0	<100
	4/21/2021	88.7	83	2,260	6,800	<25.0	790	<25.0	<2,500	<25.0	<5,000	<2,500	<2,500	<250	<250	<1,250
	3/3/2020	36.5	16.6	439	1,290	<4.0	234	<4.0	<400	<4.0	<800	<400	<400	<40.0	<40.0	<200
	07/10/2019	31.2	19.5	490	1,630	<5.0	164	<5.0	<500	<5.0	<1,000	<500	<500	<50.0	<50.0	<250
	11/28/2018	130	80	1,300	3,900	<20.0	470	<20.0	<400	<20.0	<2,000	<400	<400	<200	<200	<100
	SSTL	7	20	490	1,630	5	30	--	--	1,000	500	334	--	100	--	
01589 MW-14	9/27/2022	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<1,250	<12.5	<2,500	<1,250	<1,250	<125	<125	<625
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	1.1	<1.0	0.67 J	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	4.1	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	4	--	--	1,000	100	100	--	100	--	
01589 MW-15	9/27/2022	3,130	5,870	727	3,170	<50.0	60.5	<50.0	<5,000	<50.0	<10,000	<5,000	8,510	<500	<500	<2,500
	3/29/2022	3,310	9,740	889	3,980	<50.0	77.9	<50.0	<5,000	<50.0	<10,000	<5,000	4,930 J	<500	<500	<2,500
	10/13/2021	1,110	1,000	280	1,210	4.3 J	35.7	<10.0	<1,000	<10.0	<2,000	<1,000	<1,000	<100	<100	<500
	4/21/2021	5,310	9,510	901	4,410	34.2 J	151	<50.0	<5,000	<50.0	<10,000	<5,000	<5,000	<500	<500	<2,500
	3/4/2020	1,020	1,510	288	1,690	4.6 J	36.8	<12.5	<1,250	<12.5	<2,500	<1,250	1,060 J	<125	<125	<625
	07/10/2019	2,840	7,910	982	4,850	<50.0	120	<50.0	<5,000	<50.0	<10,000	<5,000	6,950	<500	<500	<2,500
	11/29/2018	2,100	7,400	930	4,600	<100	100	<100	<2,000	<100	<10,000	<2,000	5,800	<1,000	51J	<500
	SSTL	7	1,534	870	4,850	50	29	--	--	10,000	1,758	382	--	73	--	
01589 MW-16	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	0.82 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	1,000	100	100	--	100	--	
01589 MW-17	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	0.6 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	1,000	100	100	--	100	--	
01589 MW-18	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	0.46 J	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/3/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11															



**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	Dialkylpropyl ether	Ethanol	tert-butyl alcohol	tert-amy alcohol	tert-amy methyl ether	ethyl tert-butyl ether	tert-butyl formate
01589 MW-28	9/27/2022	<2.0	2.1	1.6 J	<2.0	<2.0	<2.0	<2.0	<200	<2.0	<400	<200	<200	<20.0	<20.0	<100
	3/29/2022	<1.0	<1.0	<1.0	<1.0	1	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	<1.0	<1.0	<1.0	<1.0	0.43J	<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	9/27/2022	<2.5	<2.5	<2.5	<2.5	20.6	<2.5	<2.5	<250	<2.5	<500	139 J	922	<25.0	<25.0	<125
	3/29/2022	1.2	<1.0	<1.0	<1.0	111	<1.0	<1.0	<100	1.5	<200	377	910	<10.0	40.5	<50.0
	10/14/2021	1.7	<1.0	2	<1.0	20.4	<1.0	<1.0	<100	<1.0	<200	55.7 J	188	<10.0	7.4 J	<50.0
	4/21/2021	0.8 J	<1.0	<1.0	<1.0	45	<1.0	<1.0	<100	0.62 J	<200	92 J	236	2.9 J	16	<50.0
	03/03/2020	10.4	<1.0	<1.0	<1.0	28.9	<1.0	<1.0	<100	0.41 J	<200	63.3 J	87.2 J	<10.0	8.8 J	<50.0
	07/09/2019	2.2	<1.0	<1.0	<1.0	7.4	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	55	<1.0	<1.0	<1.0	84	<1.0	<1.0	<20.0	1	<100	150	190	5.7J	27	<5.0
	SSTL	5	5	5	10	7	5	--	--	--	1,000	100	100	--	100	--
01589 MW-30	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	<10.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-31	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	2.7	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<1.0	<1.0	<1.0	<1.0	0.99 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	0.36 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	<1.0	<1.0	<1.0	<1.0	4.4	2.6	<1.0	<20.0	<1.0	<100	<20.0	<20.0	<10.0	3.5	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-32	9/28/2022	571	5	12	18	9	5.1	<5.0	<500	<5.0	<1,000	<500	702	<50.0	18.9 J	<25.0
	3/29/2022	127	2	1	10	4.4	0.86J	<1.0	<100	<1.0	<200	<100	97.9 J	2.7 J	12.9	<50.0
	10/13/2021	366	1.5 J	4.4	13.6	8.5	<2.0	<2.0	<200	<2.0	<400	137 J	655	6.5 J	10.7 J	<100
	4/22/2021	144	0.59 J	0.51 J	2	7.6	2.1	<1.0	<100	<2.0	<200	74.2 J	222	4.3 J	7.6 J	<50.0
	03/03/2020	340	2.1	3.2	15.4	5.9	1.6 J	<2.0	<200	<2.0	<400	<200	181 J	<20.0	9.2 J	<100
	07/09/2019	306	9.3	9.7	17.1	11.4	<2.0	<2.0	<200	<2.0	<400	<200	284	<20.0	<20.0	<100
	11/28/2018	13	9	10	17	11	2	--	--	--	1,000	200	284	--	100	--
	SSTL	6	1,205	759	11,013	57	26	--	--	--	25,000	1,795	265	--	56	--
01589 MW-33	9/28/2022	12,100	46,300	3,770	19,800	217 J	394 J	<400	<40,000	<400	<80,000	<40,000	<40,000	<4,000	<4,000	<20,000
	3/29/2022	10,400	23,000	1,700	9,020	280	136 J	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000
	10/13/2021	7,020	24,600	2,090	15,600	140 J	373	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000
	5/13/2021	9,730	22,900	1,760	7,870	273	194	<125	<12,500	<125	<25,000	<12,500	8,710 J	<1,250	<1,250	<6,250
	03/04/2020	4,180	13,200	1,760	8,670	57.5 J	356	<125	<12,500	<125	<25,000	<12,500	<12,500	<1,250	<1,250	<6,250
	07/08/2019	0.11 feet of free product														
	SSTL	6	1,205	759	11,013	57	26	--	--	--	25,000	1,795	265	--	56	--
	01589 MW-34	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0
3/29/2022		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
10/15/2021		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
4/21/2021		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
03/04/2020		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
07/10/2019		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
SSTL		5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 MW-35		9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/04/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
	01589 MW-36	9/28/2022	1.2	<1.0	2.8	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	137	<10.0	<10.0
3/29/2022		<1.0	<1.0	0.6 J	<1.0	<1.0	<1.0	<1.0	<100	0.38 J	<200	<100	798	<10.0	<10.0	<50.0
10/14/2021		0.37 J	<1.0	1	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	120	<10.0	<10.0	<50.0
4/21/2021		1.3	<1.0	4	<1.0	<1.0	0.73 J	<1.0	<100	<1.0	<200	<100	197	<10.0	<10.0	<50.0
03/04/2020		1.3	10.0	59.9	67	<1.0	7.3	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
07/10/2019		14.5	102	113	223	<1.0	12.9									

**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	Dialcpropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-butyl ether	tert-Butyl formate
01589 MW-38	9/27/2022	0.5 J	<1.0	<1.0	<1.0	70.5	<1.0	<1.0	<100	1.5	<200	105	58.5 J	10.5	19.5	<50.0
	3/29/2022	33	<1.0	2.1	<1.0	9	<1.0	<1.0	<100	0.33 J	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	4.8	<1.0	2.1	<1.0	25.4	<1.0	<1.0	<100	0.75 J	<200	86.7 J	143	<10.0	8.8 J	<50.0
	4/21/2021	10	<1.0	<1.0	<1.0	3.7	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	41.1	<1.0	<1.0	<1.0	3.1	1.5	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	73.6	<1.0	<1.0	<1.0	11.2	<1.0	<1.0	<100	<1.0	<200	<100	138	<10.0	<10.0	<50.0
	SSTL	74	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 DMW-1	9/28/2022	0.44 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	0.58 J	<1.0	<1.0	<1.0	0.43 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/13/2021	0.76 J	<1.0	<1.0	<1.0	0.43 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<1.0	<1.0	<1.0	<1.0	0.43 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	5.5	1.3	0.95 J	<1.0	0.49 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	7.1	1.1	1.1	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	130	16	14	48	12	1.3	<1.0	<20	<1.0	<100	24	190	<10.0	6.5	<5.0
	SSTL	7	6	6	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 DMW-2	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/28/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 DMW-3	9/27/2022	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	0.72 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/15/2021	0.48 J	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<1.0	<1.0	<1.0	<1.0	0.31 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/03/2020	<1.0	<1.0	<1.0	<1.0	0.31 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/09/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	1.2	<1.0	0.66 J	<1.0	<1.0	<1.0	<20	<1.0	<100	<20.0	<20.0	<10.0	<1.0	<5.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 DMW-4	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/04/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 DMW-5	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/15/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/04/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	SSTL	5	5	5	10	5	5	--	--	--	1,000	100	100	--	100	--
01589 RW-1	9/28/2022	0.3 feet of free product														
	3/30/2022	9,810	17,500	840	5,020	1,310	<200	<200	<20,000	<200	105,000	<20,000	20.5	<2,000	<2,000	<10,000
	10/13/2021	0.07 feet of free product														
	4/20/2021	0.13 feet of free product														
	03/04/2020	0.81 feet of free product														
	07/10/2019	12,300	27,900	1,700	11,800	1,400	283	<200	<20,000	<200	<40,000	<20,000	<20,000	<2,000	<2,000	<10,000
	11/28/2018	20,000	47,000	2,100	10,000	3,400	<500	<500	<10,000	<500	<50,000	5,100 J	34,000	<5,000	750	<2,500
01589 RW-2	9/28/2022	2,740	6,050	411	2,190	166	128	<50.0	<5,000	<50.0	47,200	<5,000	<5,000	<500	<500	<2,500
	3/30/2022	3,170	14,100	1,430	7,400	<500	<500	<500	<50,000	<500	3,850,000	<50,000	<50,000	<5,000	<5,000	<25,000
	10/13/2021	14,700	41,400	3,620 J	18,000	<10,000	<10,000	<10,000	<1,000,000	<10,000	61,100,000	<1,000,000	<1,000,000	<100,000	<100,000	<500,000
	4/20/2021	0.06 feet of free product														
	03/04/2020	0.56 feet of free product														
	07/08/2019	0.18 feet of free product														
	11/28/2018	21,000	54,000	3,200	17,000	2,200	430 J	<500	<10,000	<500	<50,000	13,000	31,000	<5,000	760	<2,500
01589 RW-3	9/28/2022	5,890	28,700	3,510	21,300	117 J	396	<200	<20,000	<200	<40,000	<20,000	22,100	<2,000	<2,000	<10,000
	3/30/2022	10,500	29,400	2,150	11,900	274	318	<200	<20,000	<200	<40,000	<20,000	23,100	<2,000	<2,000	<10,000
	10/13/2021	8,420	24,900	1,760	14,700	198	403	<125	<12,500	<125	<25,000	<12,500	13,700	<1,250	<1,250	<6,250
	4/20/2021	0.06 feet of free product														
	03/04/2020	0.56 feet of free product														
	07/08/2019	1.56 feet of free product														
	11/28/2018	15,000	41,000	2,800	15,000	530	360 J	<500	<10,000	<500	<50,000	<10,000	21,000	<5,000	<500	<2,500
01589 RW-4	9/28/2022	11.1	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<400	<4.0	<800	<400	<400	<40.0	<40.0	<200
	3/30/2022	0.93 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/13/2021	0.8 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	0.8 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/04/2020	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	07/10/2019	3.3	<1.0													

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)								Oxygenates (ug/L)						
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Napthalene	1,2-Dichloroethane (1,2-DCA)	ethyl tert-butyl alcohol	Dialcylpropyl ether	Ethanol	tert-butyl alcohol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-butyl ether
01589 RW-5	9/28/2022	0.2 feet of free product														
	3/30/2022	0.04 feet of free product														
	10/13/2021	0.13 feet of free product														
	4/20/2021	0.75 feet of free product														
	03/04/2020	2.52 feet of free product														
	07/08/2019	1.64 feet of free product														
	11/28/2018	0.36 feet of free product														
01589 RW-6	9/28/2022	0.3 feet of free product														
	3/30/2022	0.01 feet of free product														
	10/13/2021	1.19 feet of free product														
	4/20/2021	0.37 feet of free product														
	03/04/2020	1.67 feet of free product														
	07/08/2019	2 feet of free product														
	11/28/2018	1.67 feet of free product														
01589 RW-7	9/28/2022	12,300	23,800	1,250	11,600	229	179 J	<200	<20,000	<200	<40,000	<20,000	22,300	<2,000	<2,000	<10,000
	3/30/2022	14,600	24,100	1,130	9,820	447	228	<200	<20,000	<200	<40,000	<20,000	26,500	<2,000	<2,000	<10,000
	10/13/2021	0.12 feet of free product														
	4/20/2021	0.2 feet of free product														
	03/04/2020	0.16 feet of free product														
	07/08/2019	0.45 feet of free product														
	9/28/2022	0.12 feet of free product														
01589 RW-8	9/28/2022	3,050	4,360	881	6,290	136	140	<25.0	<2,500	<25.0	<5,000	738 J	12,400	<250	<250	<1,250
	3/30/2022	1,580	3,630	396	4,170	62.3	187	<20.0	<2,000	<20.0	<4,000	<2,000	3,900	<200	<200	<1,000
	10/14/2021	878	1,970	529	2,680	25.2	168	<20.0	<2,000	<20.0	<4,000	<2,000	2,360	<200	<200	<1,000
	4/20/2021	0.53 feet of free product														
	03/04/2020	1,690	3,550	587	2,570	48	103	<25.0	<2,500	<25.0	<5,000	<2,500	3,900	<250	<250	<1,250
	07/08/2019	0.3 feet of free product														
	9/28/2022	0.12 feet of free product														
01589 RW-9	3/30/2022	2,760	5,890	459	2,450	714	69.7	<50.0	<5,000	<50.0	233,000	2,240 J	19,200	<500	204 J	<2,500
	10/14/2021	0.06 feet of free product														
	4/20/2021	0.12 feet of free product														
	03/04/2020	13,600	31,200	2,460	12,500	2,250	446	<200	<20,000	<200	831,000	10,200 J	82,800	<2,000	<2,000	<10,000
	07/08/2019	0.86 feet of free product														
	9/28/2022	6,420	17,100	1,390	7,390	95.3 J	329	<125	<12,500	<125	<25,000	<12,500	4/29/1961	<1,250	<1,250	<6,250
	3/30/2022	0.02 feet of free product														
01589 RW-10	10/14/2021	0.01 feet of free product														
	4/20/2021	0.22 feet of free product														
	03/04/2020	0.57 feet of free product														
	07/08/2019	1.37 feet of free product														
	9/28/2022	emulsified product, thickness not available														
	3/30/2022	2.46 feet of free product														
	10/15/2021	4.94 feet of free product														
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														
	9/28/2022	2,070	9,639	636	10,300	<50	233	<50.0	<5,000	<50.0	<10,000	<5,000	2,060 J	<500	<500	<2,500
	3/30/2022	2,960	6,480	597	4,900	83.5	109	<50.0	<5,000	<50.0	<10,000	<5,000	2,940 J	<500	<500	<2,500
	10/15/2021	2,040	2,390	241	2,160	77.3	61	<20.0	<2,000	<20.0	<4,000	<2,000	2,940	<200	<200	<1,000
	4/22/2021	7,280	3,620	542	4,630	261	123	<50.0	<5,000	<50.0	<10,000	<5,000	11,100	<500	184 J	<2,500
03/04/2020	Heavy sheen of free product (< 0.01 ft.)															
07/10/2019	4,360	6,410	556	5,080	236	170	<50.0	<5,000	<50.0	<10,000	<5,000	5,030	<500	<500	<2,500	
	SSTL	5	1,144	556	5,080	45	26	--	--	--	1,000	1,453	264	--	51	--

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



**Table 4**  
**Water Well Analytical Data**  
**2nd Half 2022**  
**Circle K 2720886**  
**4315 Savannah Highway**  
**Ravenel, Charleston County, South Carolina**  
**UST Permit #01589**

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L) by 524.2							Oxygenates (ug/L) by 8260B							
		Benzene	Toluene	Ethylbenzene	Xylenes, Total (1)	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
<b>RBSL</b>		<b>5.0</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>40.0</b>	<b>25.0</b>	<b>5.0</b>	<b>NE</b>	<b>150</b>	<b>10,000</b>	<b>1,400</b>	<b>240</b>	<b>128</b>	<b>47.0</b>	<b>NE</b>
01589 WSW-12	9/28/2022	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-13	9/28/2022	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-16	9/28/2022	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0

Notes:

Units = µg/L

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

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

**Bold concentrations equal or exceed the corresponding RBSL**

NE = Not established

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

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

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

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

Units = µg/L

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

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

**Bold concentrations equal or exceed the corresponding RBSL**

NE = Not established

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							
		Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	1,2 - Dichloroethane (DCA)	ethyl tert-Butyl alcohol	Di isopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
<b>RBSL</b>		<b>5.0</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>40.0</b>	<b>25.0</b>	<b>5.0</b>	<b>NE</b>	<b>150</b>	<b>10,000</b>	<b>1,400</b>	<b>240</b>	<b>128</b>	<b>47.0</b>	<b>NE</b>
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	9/28/2022	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/30/2022	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/15/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-13	9/28/2022	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/30/2022	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/15/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/22/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/4/2020	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	7/10/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-14	8/29/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 WSW-15	8/17/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
	4/22/2021	well has been decommissioned according to owner														
	7/8/2019	sample collection permission was not granted														
01589 WSW-16	8/23/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
	9/28/2022	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/31/2022	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	4/29/2021	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/5/2020	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	7/10/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	9/27/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0
01589 WSW-17	7/8/2019	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	8/31/2018	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<20	<1.0	<100	<20	<20	<10	<1.0	<5.0

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

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

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

Units = ug/L

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

RBSL = May 15, 2001 SCDHEC Risk Based Screening Level

**Bold concentrations equal or exceed the corresponding RBSL**

NE = Not established

**Table 6**  
**Surface Water Analytical Data**  
**2nd Half 2022**  
**Circle K 2720886**  
**4315 Savannah Highway**  
**Ravenel, Charleston County, South Carolina**  
**UST Permit #01589**

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether	tert-Butyl formate
<b>RBSL</b>		<b>5.0</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>40.0</b>	<b>25.0</b>	<b>5.0</b>	<b>NE</b>	<b>150</b>	<b>10,000</b>	<b>1,400</b>	<b>240</b>	<b>128</b>	<b>47.0</b>	<b>NE</b>
01589 SW-1	9/28/2022	not sampled-dry														
01589 SW-2	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-3	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-4	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-5	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-6	9/28/2022	not sampled-dry														
01589 SW-7	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-8	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 SW-9	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
<b>RBSL</b>		<b>5.0</b>	<b>1,000</b>	<b>700</b>	<b>10,000</b>	<b>40.0</b>	<b>25.0</b>	<b>5.0</b>	<b>NE</b>	<b>150</b>	<b>10,000</b>	<b>1,400</b>	<b>240</b>	<b>128</b>	<b>47.0</b>	<b>NE</b>

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	Ethyl Benzene	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	9/28/2022	Not Sampled-Dry														
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	Not Sampled-Dry														
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<100	<10.0	<1.0	<5.0
01589 SW-2	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<100	<10.0	<1.0	<50.0
01589 SW-3	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	<1.0	<1.0	0.34	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	8	<50.0
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/29/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<100	<10.0	<1.0	<50.0
01589 SW-4	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/29/2022	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/12/2021	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	Not Sampled-Dry														
	03/06/2020	<1.0	0.53 J	<1.0	1.8	0.66 J	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/30/2018	150	750	34	380	<5.0	8	<5.0	<100	<5.0	<500	<100	<100	<50	<5.0	<25
01589 SW-5	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/12/2021	Not Sampled-Dry														
	04/22/2021	Not Sampled-Dry														
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<100	<10.0	<1.0	<5.0
01589 SW-6	9/28/2022	Not Sampled-Dry														
	3/30/2022	Not Sampled-Dry														
	10/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	<1.0	<1.0	0.67 J	1.2	4.4	<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	<100	<10.0	<1.0	<5.0
01589 SW-7	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<100	<10.0	<1.0	<5.0
01589 SW-8	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<100	<10.0	<1.0	<5.0
01589 SW-9	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	3/30/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	10/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	04/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	03/06/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
	11/30/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20.0	<1.0	<100	<20.0	<100	<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	
Precision Analysis																
Precision Limit (RPD %)		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
01589 MW-2	9/28/22 @ 0922	7,660	16,000	1,150	5,490	394	175	<125	<12,500	<125	<25,000	<12,500	16,200	<1,250	<1,250	<6,250
01589 DUP-1	9/28/22 @ 0924	7,800	16,200	1,110	5,680	324	181	<125	<12,500	<125	<25,000	<12,500	11,900	<1,250	<1,250	<6,250
RPD (%)		2%	1%	4%	3%	19%	3%	--	--	--	--	--	31%	--	--	--
01589 MW-33	9/28/22 @ 1042	12,100	46,300	3,770	19,800	217	394	<400	<40,000	<400	<80,000	<40,000	<40,000	<4,000	<4,000	<20,000
01589 DUP-2	9/28/22 @ 1044	10,100	38,400	4,510	23,900	197	512	<250	<25,000	<250	<50,000	<25,000	<25,000	<2,500	<2,500	<12,500
RPD (%)		18%	19%	18%	19%	10%	26%	--	--	--	--	--	--	--	--	--
Bias Analysis																
01589 FB-1	9/27/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 FB-2	9/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
01589 Trip	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0
Method Sensitivity																
Sensitivity Limits (GW - ug/L)		<5	<5	<5	<5	<10	<5	<5	<100	<10	<1,000	<100	<100	<10	<100	<100
01589 MW-1	9/28/2022	34.5	48.5	30.4	33.8	42.2	64.5	32.2	5,190	30.8	7,220	2,680	3,640	266	324	2,940
01589 MW-2	9/28/2022	43.1	60.6	38	42.2	52.8	80.6	40.2	6,490	38.5	9,020	3,350	4,550	332	405	3,680
01589 MW-3	9/28/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4
01589 MW-4	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4
01589 MW-5	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4
01589 MW-7	9/28/2022	1.7	2.4	1.5	1.7	2.1	3.2	1.6	260	1.5	361	134	182	13.3	16.2	147
01589 MW-8	9/28/2022	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-9	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4
01589 MW-10	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4
01589 MW-11	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4
01589 MW-12	9/28/2022	1.7	2.4	1.5	1.7	2.1	3.2	1.6	260	1.5	361	134	182	13.3	16.2	147
01589 MW-13	9/27/2022	3.4	4.8	3	3.4	4.2	6.4	3.2	519	3.1	722	268	364	266	324	294
01589 MW-14	9/27/2022	4.3	6.1	3.8	4.2	5.3	8.1	4	649	3.8	902	355	455	32.2	40.5	368
01589 MW-15	9/27/2022	17.2	24.2	15.2	16.9	21.1	32.2	16.1	2,600	15.4	3,610	1,340	1,820	133	162	1,470
01589 MW-16	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4
01589 MW-17	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4
01589 MW-18	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4
01589 MW-19	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4
01589 MW-20	9/28/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4

Units = ug/L

\*< = Not detected above the laboratory reporting limit

NT = not tested for this parameter

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

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							Comments / Notes	
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Methyl tert butyl ether	Naphthalene	1,2 Dichloroethane (1,2 DCA)	ethyl tert-Butyl alcohol	Diisopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl methyl ether	ethyl tert-Butyl ether		tert-Butyl formate
Method Sensitivity																	
<b>Sensitivity Limits (GW - ug/L)</b>		<5	<5	<5	<5	<10	<5	<5	<100	<10	<1,000	<100	<100	<10	<100	<100	
01589 MW-21	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-22	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-23	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-24	9/27/2022	0.86	1.2	0.76	0.84	1.1	1.6	0.8	130	0.77	180	67	91	6.6	8.1	73.5	2.5 x dilution
01589 MW-25	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-27	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-28	9/27/2022	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-29	9/27/2022	0.86	1.2	0.76	0.84	1.1	1.6	0.8	130	0.77	180	67	91	6.6	8.1	73.5	2.5 x dilution
01589 MW-30	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-31	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-32	9/28/2022	1.7	2.4	1.5	1.7	2.1	3.2	1.6	260	1.5	361	134	182	13.3	16.2	147	5 x dilution
01589 MW-33	9/28/2022	138	194	122	135	169	258	129	20,800	123	28,900	10,700	14,600	1,060	1,300	11,800	400 x dilution
01589 MW-34	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-35	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-36	9/28/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 MW-38	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-1	9/28/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-2	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-3	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-4	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 DMW-5	9/27/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 RW-2	9/28/2022	17.2	24.2	15.2	16.9	21.1	32.2	16.1	2,600	15.4	3,610	1,340	1,820	133	162	1,470	50 x dilution
01589 RW-3	9/28/2022	69	97	60.8	67.6	84.4	129	64.4	10,400	61.6	14,400	5,360	7,280	532	648	5,880	200 x dilution
01589 RW-4	9/28/2022	1.4	1.9	1.2	1.4	1.7	2.6	1.3	208	1.2	289	107	146	10.6	13	118	4 x dilution
01589 RW-7	9/28/2022	69	97	60.8	67.6	84.4	129	64.4	10,400	61.6	14,400	5,360	7,280	532	648	5,880	200 x dilution
01589 RW-8	9/28/2022	8.6	12.1	7.6	8.4	10.6	16.1	8	1,300	7.7	1,800	670	910	66.5	81	735	25 x dilution
01589 RW-10	9/28/2022	43.1	60.6	38	42.2	52.8	80.6	40.2	6,490	38.5	9,020	3,350	4,550	332	405	3,680	125 x dilution
01589 RW-12	9/28/2022	17.2	24.2	15.2	16.9	21.1	32.2	16.1	2,600	15.4	3,610	1,340	1,820	133	162	1,470	50 x dilution

Units = ug/L

\*< = Not detected above the laboratory reporting limit

NT = not tested for this parameter

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



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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							Comments / Notes	
		Benzene	Toluene	Ethylbenzene	Total Xylenes (1)	MTBE	Naphthalene	1,2 - Dichloroethane (DCA)	ethyl tert-Butyl alcohol	Di isopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl ethyl ether	ethyl tert-Butyl ether		tert-Butyl formate
Precision Analysis																	
Precision Limit (RPD %)		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	no detections
01589 WSW-12	9/28/22 @ 1556	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
DUP 1	9/28/22 @ 1559	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	
RPD (%)		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bias Analysis																	
TRIP BLANK	--	<0.50	<0.50	0.34	<0.50	<0.50	<1.0	<1.0	--	--	--	--	--	--	--	--	no errors indicated
01589 WSW-FB	9/28/2022	<0.50	<0.50	<0.50	<1	<0.50	<0.50	<0.50	<100	<1.0	<200	<100	<100	<10.0	<10.0	<50.0	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	9/28/2022	0.21	0.2	0.22	0.39/0.22	0.14	0.35	0.16	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 WSW-13	9/28/2022	0.21	0.2	0.22	0.39/0.22	0.14	0.35	0.16	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 WSW-16	9/28/2022	0.21	0.2	0.22	0.39/0.22	0.14	0.35	0.16	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	

Notes:

Units = µg/L

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

RBSL = May 15, 2001 Risk Based Screening Level

NE = not established

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

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

Monitoring Well Identification	Sample Date	Petroleum Constituents (ug/L)							Oxygenates (ug/L)							Comments / Notes	
		Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	1,2 - Dichloroethane (DCA)	ethyl tert-Butyl alcohol	Di isopropyl ether	Ethanol	tert-Butyl alcohol	tert-Amyl alcohol	tert-Amyl ethyl ether	ethyl tert-Butyl ether		tert-Butyl formate
Method Sensitivity																	
Sensitivity Limits (GW - µg/L)		5.0	5.0	5.0	10.0	5.0	5.0	5.0	100	10.0	1,000	100	100	10.0	100	100	
01589 SW-1	9/28/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-2	9/28/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-3	9/28/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-4	9/28/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-5	9/28/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-7	9/28/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-8	9/28/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	
01589 SW-9	9/28/2022	0.34	0.48	0.3	0.34	0.42	0.64	0.32	51.9	0.31	72.2	26.8	36.4	2.7	3.2	29.4	

Notes:

Units = µg/L

RBSL = May 15, 2001 Risk Based Screening Level

NE = not established

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

**Table 11**  
**Calculation of COC Reduction**  
**2nd Half 2022**  
**Circle K 2720886**  
**4315 Savannah Highway**  
**Ravenel, Charleston County, South Carolina**  
**UST Permit # 01589**

Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSTL Mass	Subsequent Concentration > SSTL Mass
01589 MW-1	Initial	Initial	17,700	40,400	2,290	11,400	1,850	0	0	0	0	0	73,640.00	-----	-----
		SSTL	6	1,324	869	11,400	51	28	295	1,526	21,596	57	37,152.00	-----	-----
		Initial > SSTL	17,694	39,076	1,421	0	1,799	0	0	0	0	0	0	-----	59,990.00
	9/28/22	Subsequent	7,010	17,600	1,190	5,390	495	166	9,090	0	19,800	0	60,741.00	-----	-----
		SSTL	6	1,324	869	11,400	51	28	295	1,526	21,596	57	37,152.00	-----	-----
		Subsequent > SSTL	7,004	16,276	321	0	444	138	8,795	0	0	0	0	-----	32,978.00
01589 MW-2	Initial	Initial	10,000	21,600	1,690	9,250	559	236	16,200	0	0	0	59,535.00	-----	-----
		SSTL	5	1,144	775	9,250	45	26	264	1,453	14,610	51	27,623.00	-----	-----
		Initial > SSTL	9,995	20,456	915	0	514	210	15,936	0	0	0	0	-----	48,026.00
	9/28/22	Subsequent	7,660	16,000	1,150	5,490	394	175	16,200	0	0	0	47,069.00	-----	-----
		SSTL	5	1,144	775	9,250	45	26	264	1,453	14,610	51	27,623.00	-----	-----
		Subsequent > SSTL	7,655	14,856	375	0	349	149	15,936	0	0	0	0	-----	39,320.00
01589 MW-3	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	-----	0.000
	9/28/22	Subsequent	104	1.4	4.6	13.9	0	0	215	31.7	0	0	370.60	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Subsequent > SSTL	99	0	0	4	0	0	115	0	0	0	0	-----	217.900
01589 MW-4	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 MW-5	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 MW-6	Initial	Initial	16,400	28,900	2,190	8,920	1,990	272	42,200	5,410	0	0	106,282.00	-----	-----
		SSTL	12	3,709	2,005	8,920	131	46	658	2,383	40,000	122	57,986.00	-----	-----
		Initial > SSTL	16,388	25,191	185	0	1,859	226	41,542	3,027	0	0	0	-----	88,418.00
	9/28/2022 *	Subsequent	16,400	28,900	2,190	8,920	1,990	272	42,200	5,410	0	0	106,282.00	-----	-----
		SSTL	12	3,709	2,005	8,920	131	46	658	2,383	40,000	122	57,986.00	-----	-----
		Subsequent > SSTL	16,388	25,191	185	0	1,859	226	41,542	3,027	0	0	0	-----	88,418.00
01589 MW-7	Initial	Initial	9,210	34,100	2,390	12,700	0	271	0	0	0	0	58,671.00	-----	-----
		SSTL	21	8,500	2,390	12,700	200	67	1,247	3,356	40,000	222	68,703.00	-----	-----
		Initial > SSTL	9,189	25,600	0	0	0	204	0	0	0	0	0	-----	34,993.00
	9/28/22	Subsequent	877	123	375	598	0	46.5	1,580	0	0	0	3,599.50	-----	-----
		SSTL	21	8,500	2,390	12,700	200	67	1,247	3,356	40,000	222	68,703.00	-----	-----
		Subsequent > SSTL	856	0	0	0	0	0	333	0	0	0	0	-----	1,189.00
01589 MW-8	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
	9/28/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 MW-9	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
	9/27/22	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 > SSTL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00

**Table 11**  
**Calculation of COC Reduction**  
**2nd Half 2022**  
**Circle K 2720886**  
**4315 Savannah Highway**  
**Ravenel, Charleston County, South Carolina**  
**UST Permit # 01589**

Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSSL Mass	Subsequent Concentration > SSSL Mass	
01589 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	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-11	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-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	----	----
	9/28/22	Subsequent	846	9.6	149	8.1	0	5.5	274	0	0	0	0	1,292.20	----	----
		SSTL	7	13	47	25	10	9	382	250	1,000	26	1,769.00	----	----	
		Subsequent > SSTL	839	0	102	0	0	0	0	0	0	0	0	0.00	----	941.00
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	----	----
	9/27/22	Subsequent	63	18.80	1,040	2,420	0.0	491.0	0	0	0	0	0	4032.80	----	----
		SSTL	7	20	490	1,630	5	30	334	500	1,000	100	4,116.00	----	----	
		Subsequent > SSTL	56	0	550	790	0	461	0	0	0	0	0	0.00	----	1,857.00
01589 MW-14	Initial	Initial	0	0	0	0	0	4.1	0	0	0	0	4.10	----	----	
		SSTL	5	5	5	10	5	4	100	100	1,000	100	1,334.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.10	----	----
	9/27/22	Subsequent	0	0	0	0.0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	4	100	100	1,000	100	1,334.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-15	Initial	Initial	2,840	7,910	982	4,850	0	120	6,950	0	0	0	23,652.00	----	----	
		SSTL	7	1,534	870	4,850	50	29	382	1,758	10,000	73	19,553.00	----	----	
		Initial > SSTL	2,833	6,376	112	0	0	91	6,568	0	0	0	0	15,980.00	----	----
	9/27/22	Subsequent	3,130	5,870	727	3,170	0.0	60.5	8510	0	0	0	0	21,467.50	----	----
		SSTL	7	1,534	870	4,850	50	29	382	1,758	10,000	73	19,553.00	----	----	
		Subsequent > SSTL	3,123	4,336	0	0	0	32	8,128	0	0	0	0	0.00	----	15,618.50
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	----	----
	9/27/22	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	0.00	----	0.00
01589 MW-17	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.000	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00

**Table 11**  
**Calculation of COC Reduction**  
**2nd Half 2022**  
**Circle K 2720886**  
**4315 Savannah Highway**  
**Ravenel, Charleston County, South Carolina**  
**UST Permit # 01589**

Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSSL Mass	Subsequent Concentration > SSSL Mass	
01589 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	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-19	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-20	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.000	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	9/28/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.000	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-21	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-22	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-23	Initial	Initial	0	0	0	0	1.8	0	0	0	0	0	0	1.80	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-24	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	
01589 MW-25	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0	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	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00	

**Table 11**  
**Calculation of COC Reduction**  
**2nd Half 2022**  
**Circle K 2720886**  
**4315 Savannah Highway**  
**Ravenel, Charleston County, South Carolina**  
**UST Permit # 01589**

Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSTL Mass	Subsequent Concentration > SSTL Mass	
01589 MW-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	----	----
	9/27/2022*	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	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-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	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-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	----	----
	9/27/22	Subsequent	0.0	0	0	0	20.6	0	922	139	0	0	1,082	----	----	
		SSTL	5	5	5	10	7	5	100	100	1,000	100	1,337.00	----	----	
		Subsequent > SSTL	0	0	0	0	14	0	822	39	0	0	0	0.00	----	874.60
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	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-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	----	----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	0.00
01589 MW-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	----	----
	9/28/22	Subsequent	571	5	12	18.0	9	5.1	702.0	0	0	18.9	1,322	----	----	
		SSTL	13	9	10	17	11	2	284	200	1,000	100	1,646.00	----	----	
		Subsequent > SSTL	558	0	2	1	0	3	418	0	0	0	0	0.00	----	982.10
01589 MW-33	Initial	Initial	4,180	13,200	1,760	8,670	57.5	356	0	0	0	0	27,867.50	----	----	
		SSTL	6	1,205	759	11,013	57	26	265	1,795	25,000	56	40,182.00	----	----	
		Initial > SSTL	4,174	11,995	1,001	0	1	330	0	0	0	0	0	17,500.50	----	----
	9/28/2022	Subsequent	12,100	46,300	3,770	19,800	217	394	0	0	0	0	82,581	----	----	
		SSTL	6	1,205	759	11,013	57	26	265	1,795	25,000	56	40,182.00	----	----	
		Subsequent > SSTL	12,094	45,095	3,011	8,787	160	368	0	0	0	0	0	0.00	----	69,515.00

**Table 11**  
**Calculation of COC Reduction**  
**2nd Half 2022**  
**Circle K 2720886**  
**4315 Savannah Highway**  
**Ravenel, Charleston County, South Carolina**  
**UST Permit # 01589**

Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSTL Mass	Subsequent Concentration > SSTL Mass	
01589 MW-34	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 MW-35	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 MW-36	Initial	Initial	14.5	102	113	223	0	12.9	148	0	0	0	613.40	-----	-----	
		SSTL	6	102	113	223	5	13	148	100	1,000	100	1,810.00	-----	-----	
		Initial > SSTL	9	0	0	0	0	0	0	0	0	0	0	8.50	-----	-----
	9/28/22	Subsequent	1	0	2.8	0	0	0	137	52	0	0	193	-----	-----	
		SSTL	6	102	113	223	5	13	148	100	1,000	100	1,810.00	-----	-----	
		Subsequent > SSTL	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 > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	9/28/22*	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 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	100	100	1,000	100	1,402.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	38	0	0	0	0	0.20	-----	-----
	9/27/22	Subsequent	1	0	2.1	0	70.5	0	58.5	0	0	0	132	-----	-----	
		SSTL	74	5	5	2	11	5	100	100	1,000	100	1,402.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	60	0	0	0	0	0	0	-----	59.50	
01589 DMW-1	Initial	Initial	7.1	1.1	1.1	0	0	0	0	0	0	0	9.30	-----	-----	
		SSTL	7	6	6	10	5	5	100	100	1,000	100	1,339.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.10	-----	-----
	9/28/22	Subsequent	0.44	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		SSTL	7	6	6	10	5	5	100	100	1,000	100	1,339.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 DMW-2	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	-----	0.00
01589 DMW-3	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	9/27/22	Subsequent	0.00	0	0	0	0.72	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	0	-----	0.00
01589 DMW-4	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	-----	0.00

**Table 11**  
**Calculation of COC Reduction**  
**2nd Half 2022**  
**Circle K 2720886**  
**4315 Savannah Highway**  
**Ravenel, Charleston County, South Carolina**  
**UST Permit # 01589**

Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSTL Mass	Subsequent Concentration > SSTL Mass	
01589 DMW-5	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	5	5	5	10	5	5	100	100	1,000	100	1,335.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	9/27/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	-----	-----
		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	-----	-----
	9/28/22	Subsequent	11.10	0	0	0	0	0	0	0	0	0	11	-----	-----	
		Subsequent > SSTL	8	0	0	0	0	0	0	0	0	0	0	-----	8.10	
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	-----	-----
	9/28/22	Subsequent	2,070	9,639	636	10,300	0	233	2,060	0	0	0	24,938	-----	-----	
		Subsequent > SSTL	2,065	8,495	80	5,220	0	207	1,796	0	0	0	0	-----	17,863.00	
01589 WSW12	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	9/28/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	-----	-----	
		Subsequent > SSTL	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	-----	-----
	9/28/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	-----	-----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	-----	0.00	
01589 WSW16	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----	
		SSTL	0.5	0.5	0.5	0.5	5	2	100	100	1,000	100	1,309.00	-----	-----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	-----	-----
	9/28/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	-----	-----	
		Subsequent > SSTL	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	-----	-----
	9/28/2022*	Subsequent	0	0	0	0	0	0	0	0	0	0	0	-----	-----	
		Subsequent > SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	-----	0.00	



**Table 11**  
**Calculation of COC Reduction**  
**2nd Half 2022**  
**Circle K 2720886**  
**4315 Savannah Highway**  
**Ravenel, Charleston County, South Carolina**  
**UST Permit # 01589**

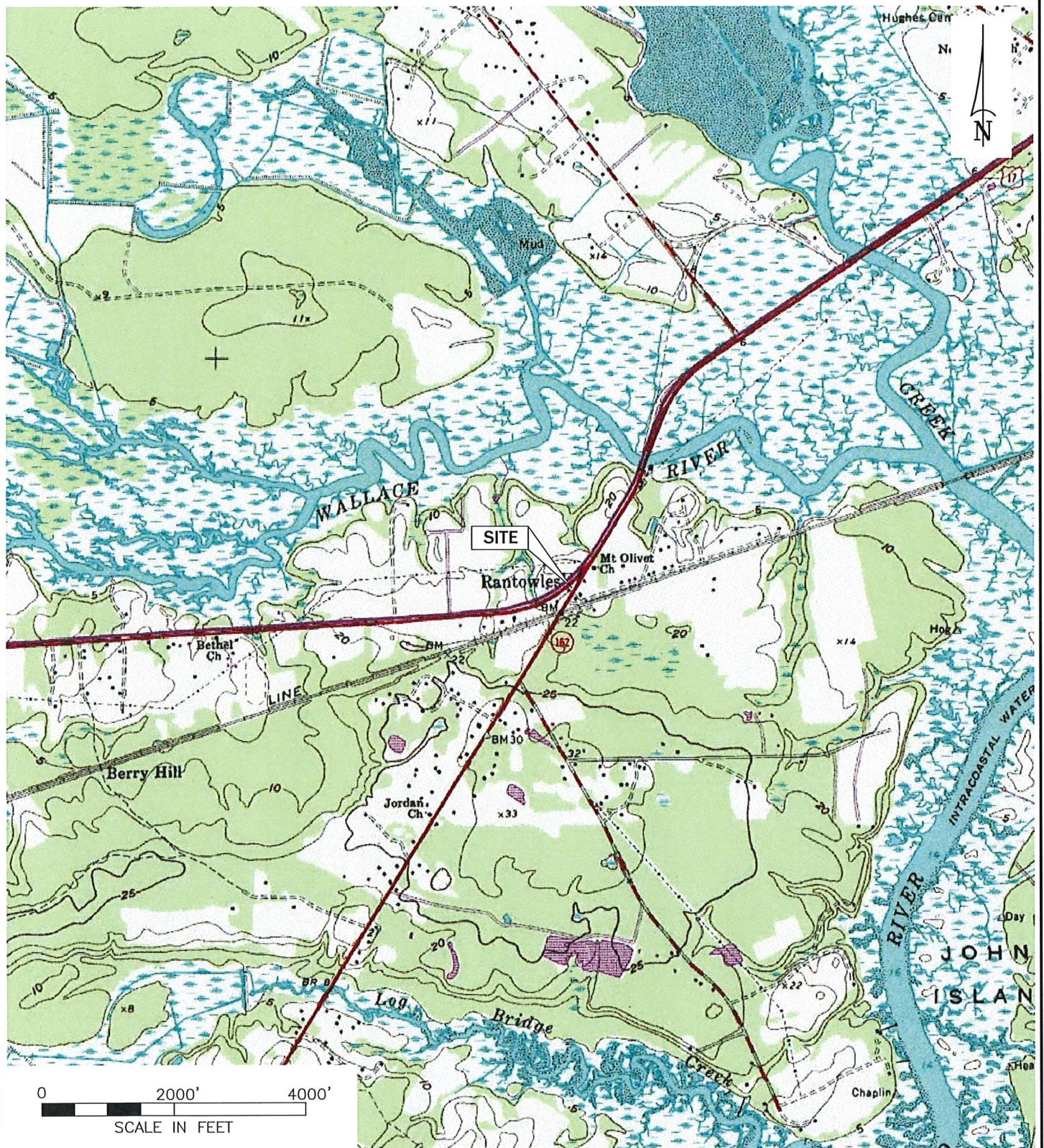
Well ID	Date Sampled	Condition	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Naphthalene	tert-Amyl Alcohol	tert-Butyl Alcohol	Ethanol	Ethyl tert-Butyl Ether	Total Concentration	Initial Concentration > SSSL Mass	Subsequent Concentration > SSSL Mass	
01589 SW02	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	9/28/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	----	0.00
01589 SW03	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	9/28/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	----	0.00
01589 SW04	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	5	750	34	380	5	8	100	100	1,000	100	2,482.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	9/28/22	Subsequent	0	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 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	----	----
	9/28/22	Subsequent	2	2	2	6	5	2	100	100	1,000	100	19	----	----	
		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 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	----	----
	9/28/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	----	0.00
01589 SW08	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	9/28/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	----	0.00
01589 SW09	Initial	Initial	0	0	0	0	0	0	0	0	0	0	0.00	----	----	
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Initial > SSTL	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
	9/28/22	Subsequent	0	0	0	0	0	0	0	0	0	0	0	0.00	----	----
		SSTL	2	2	2	6	5	2	100	100	1,000	100	1,319.00	----	----	
		Subsequent > SSTL	0	0	0	0	0	0	0	0	0	0	0	0	----	0.00

All concentrations reported in micrograms per liter  
 SSTL = Site-Specific Target Level.  
 COC Concentration Reduction =  $\frac{(\text{Total Initial} > \text{SSTL}) - (\text{Total Subsequent} > \text{SSTL})}{\text{Total Initial} > \text{SSTL}} \times 100\%$

276,716.20	236,863.70
	14.40%

For values less than the reporting limit, the reporting limit value was used.  
 Note where \* is indicated next to date:  
 01589 MW-6, due to free product, initial conditions are used  
 01589 MW-26 and 01589 MW-37: due to destroyed status, initial conditions are used  
 01589 SW-1: due to dry status of sample site, initial conditions are used

## FIGURES



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

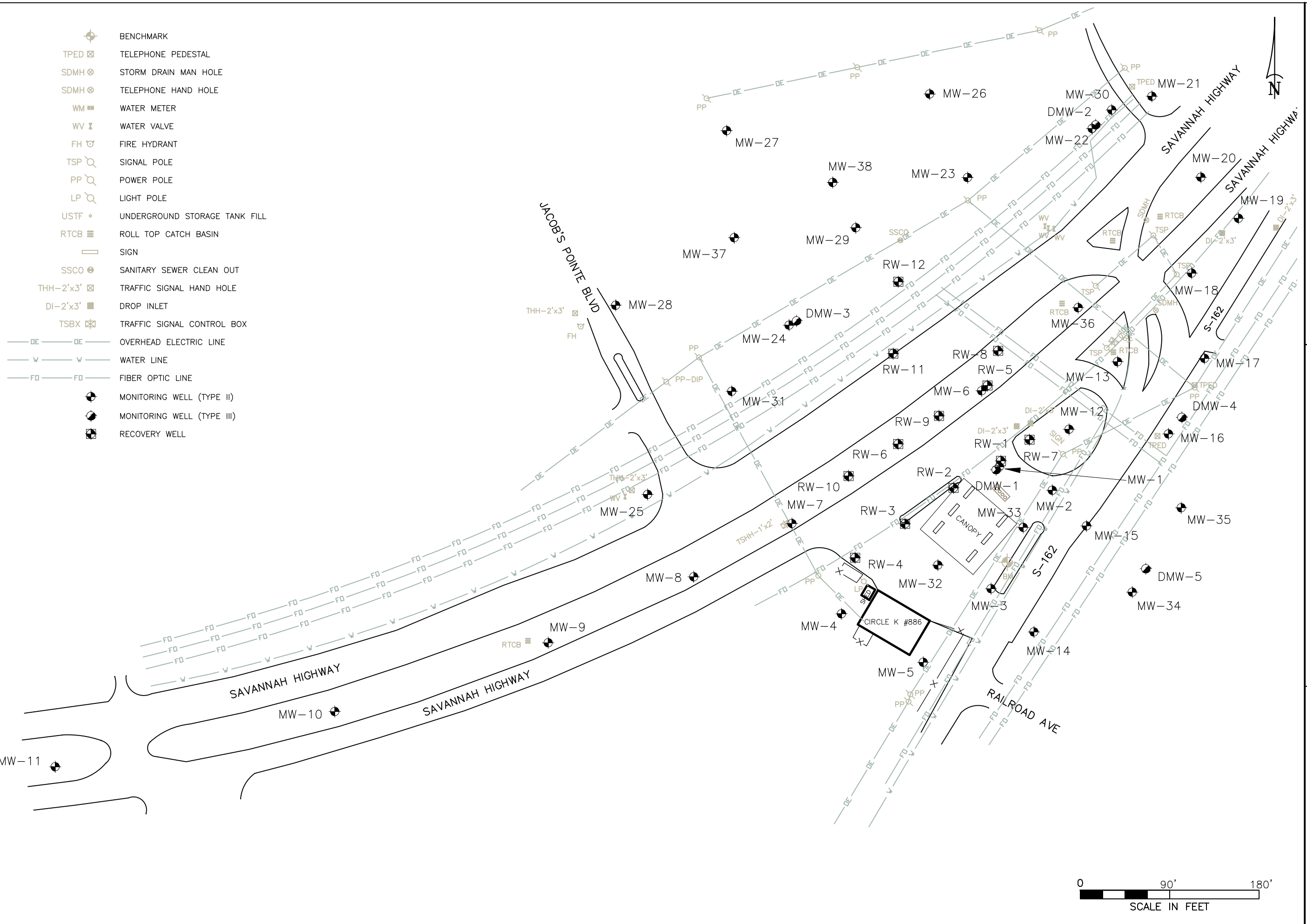


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CAD FILE 1252215.dwg	PREP. BY FL	REV. BY	SCALE 1"=60'	DATE 08-10-18	PROJECT NO. CIRK088601
-------------------------	----------------	---------	-----------------	------------------	---------------------------

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



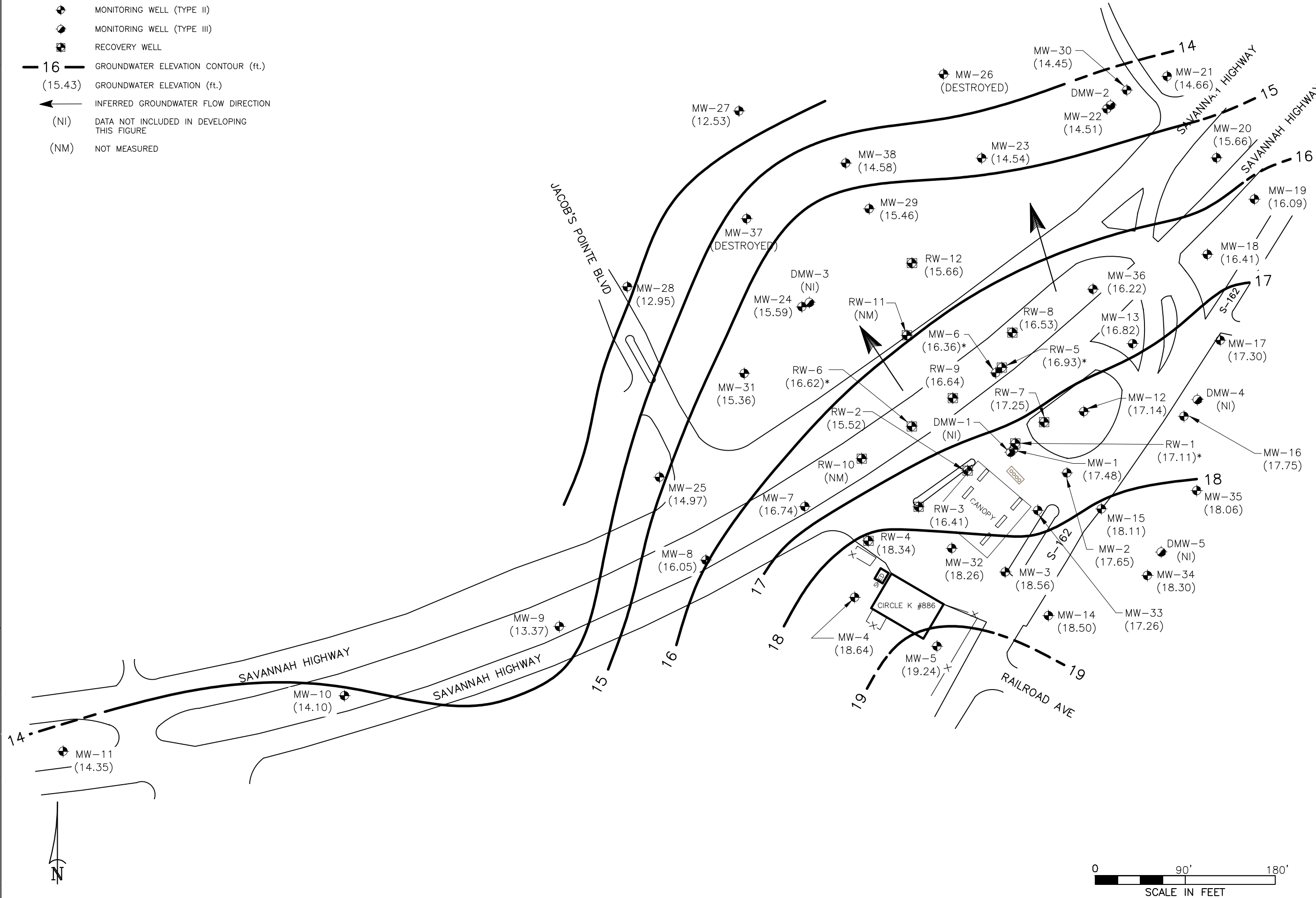
**FIGURE 2**  
 UST PERMIT #01589  
 SITE MAP WITH MONITORING & RECOVERY WELL NETWORK  
 CIRCLE K #2720886  
 4315 SAVANNAH HIGHWAY  
 RAVENEL, SOUTH CAROLINA

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

NOTES:

CAD FILE	1252215.dwg	TYPE CODE		PREP. BY	BH	REV. BY	
SCALE	1"=90'	DATE	11/03/2022	PROJECT NO.	257CK88613		

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



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

**NOTES:**  
 1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/27-28/2022.  
 2. ELEVATIONS RELATIVE TO MSL.

CAD FILE 1252215.dwg

PREP. BY BH








REV. BY

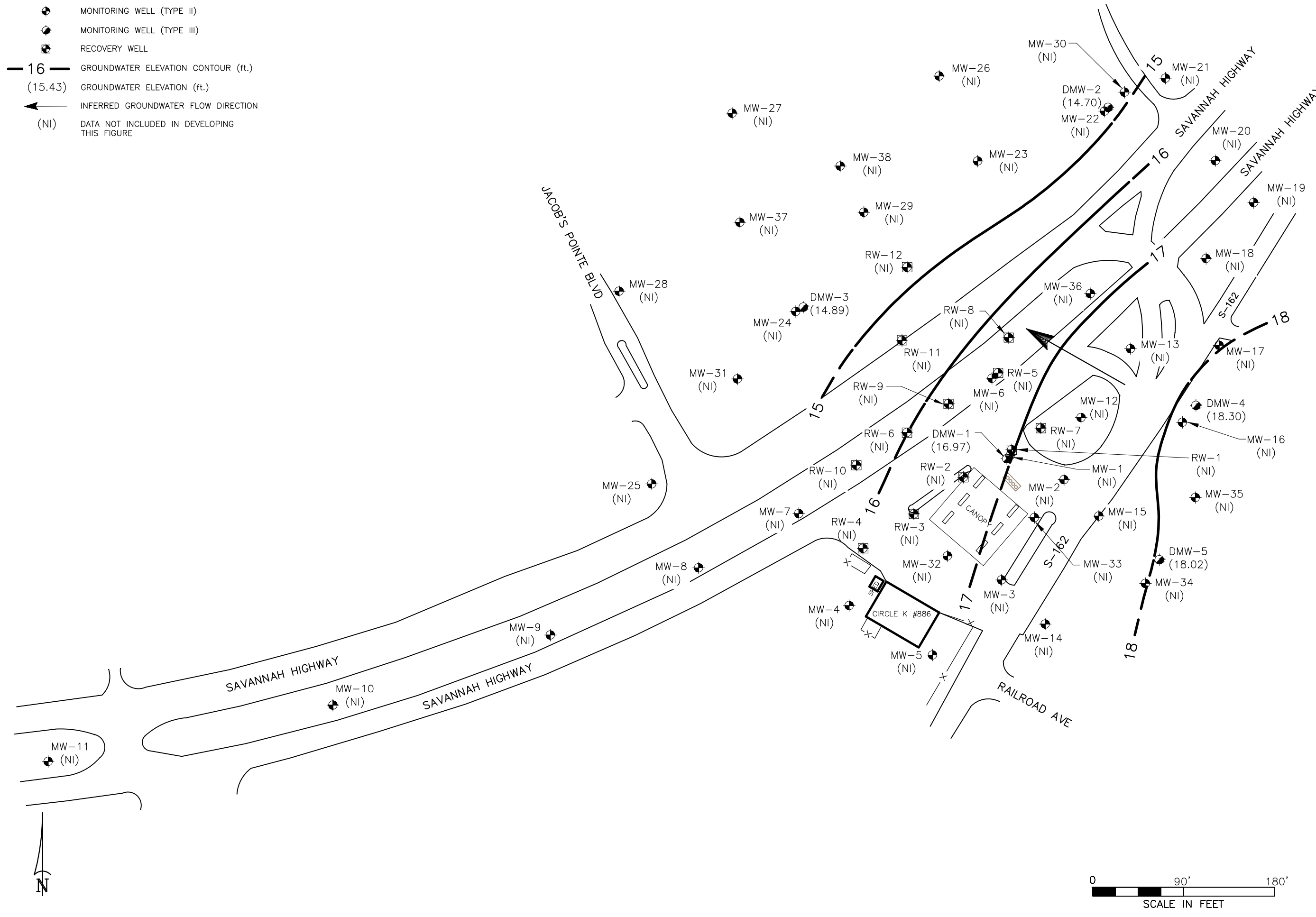
SCALE 1"=90'

DATE 11/03/2022

PROJECT NO. 257CK88613



-  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









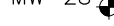


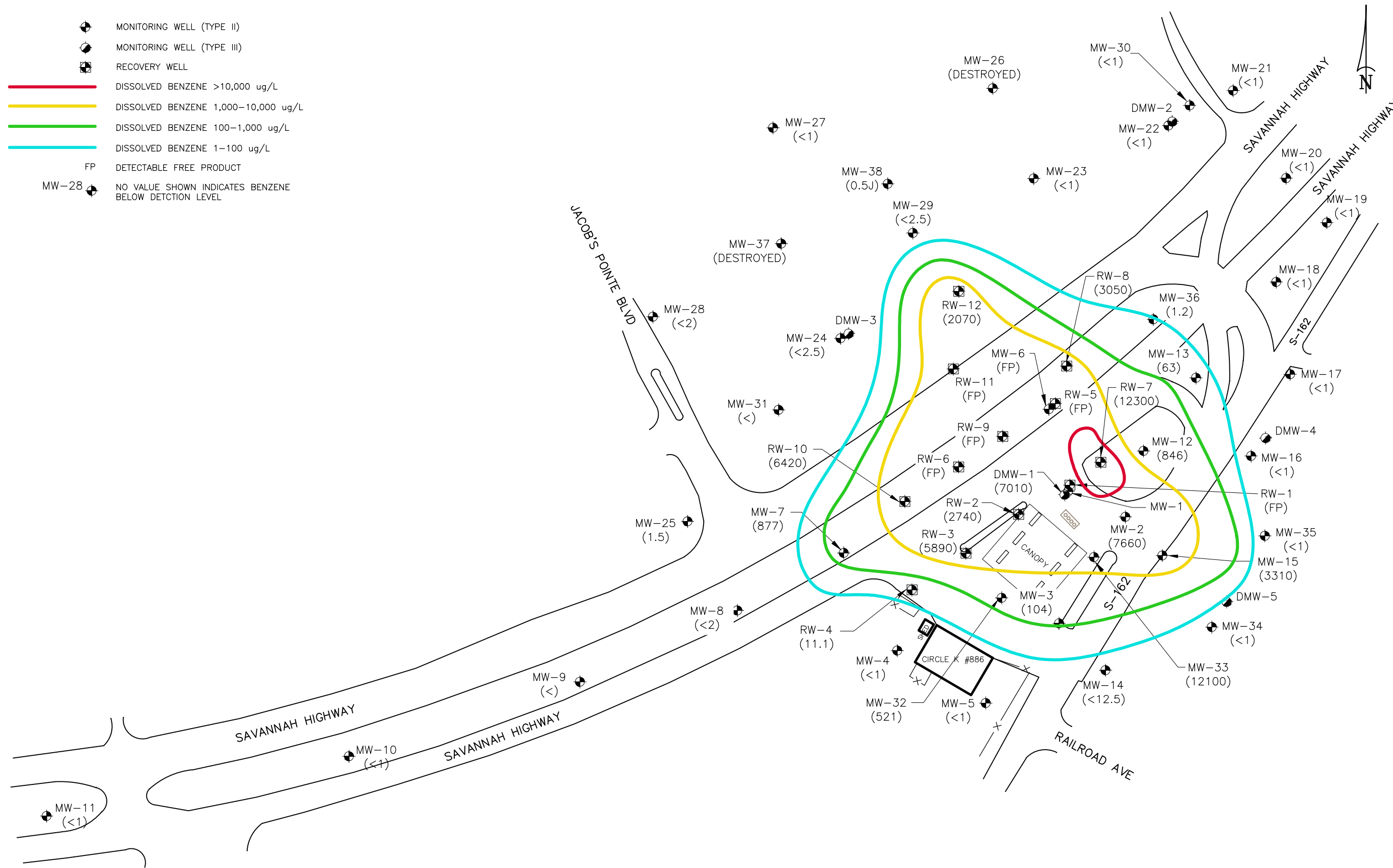
**FIGURE 4**  
 POTENTIOMETRIC SURFACE MAP - DEEP WELLS  
 CIRCLE K #2720886  
 4315 SAVANNAH HIGHWAY  
 RAVENEL, SOUTH CAROLINA

NOTES:  
 1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/27-28/2022.  
 2. ELEVATIONS RELATIVE TO MSL.

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CAD FILE	1252215.dwg	TYPE CODE	BH	PREP. BY	BH	REV. BY	
SCALE	1"=90'	DATE	11/03/2022	PROJECT NO.	257CK88613		

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

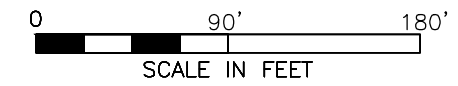


**FIGURE 5**  
 BENEZENE ISOPLETH MAP FOR GROUNDWATER - SEPT. 2022  
 CIRCLE K #2720886  
 4315 SAVANNAH HIGHWAY  
 RAVENEL, SOUTH CAROLINA

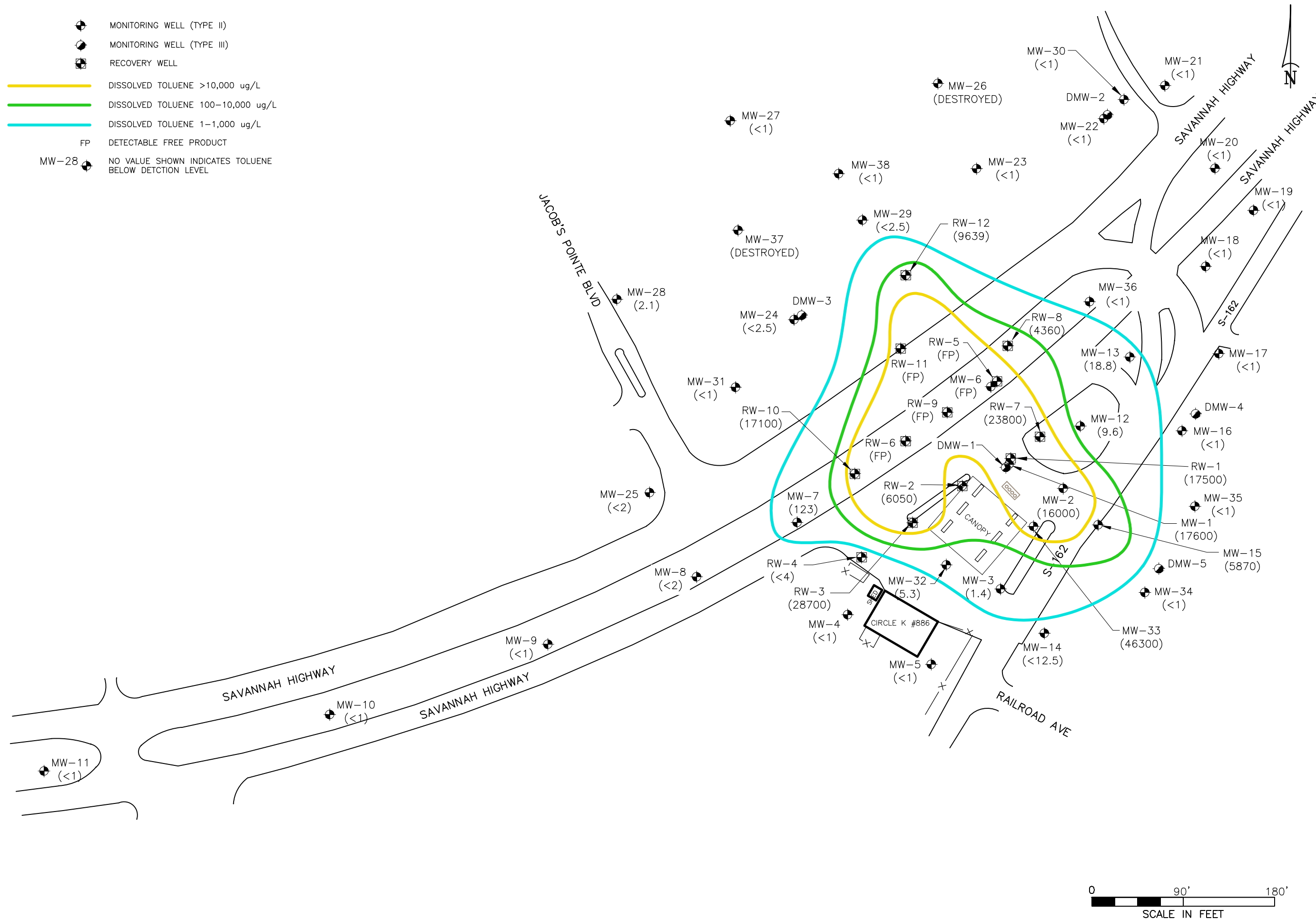
**NOTES:**  
 1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/27-28/2022.

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CAD FILE	1252215.dwg	TYPE CODE	BH	PREP. BY	BH	REV. BY		SCALE	1"=90'	DATE	11/03/2022	PROJECT NO.	257CK88613
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- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL
- DISSOLVED TOLUENE >10,000 ug/L
- DISSOLVED TOLUENE 100-10,000 ug/L
- DISSOLVED TOLUENE 1-1,000 ug/L
- FP DETECTABLE FREE PRODUCT
- MW-28 NO VALUE SHOWN INDICATES TOLUENE BELOW DETECTION LEVEL



**FIGURE 6**  
 TOLUENE ISOPLETH MAP FOR GROUNDWATER - SEPT. 2022  
 CIRCLE K #2720886  
 4315 SAVANNAH HIGHWAY  
 RAVENEL, SOUTH CAROLINA

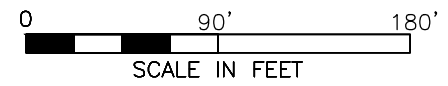
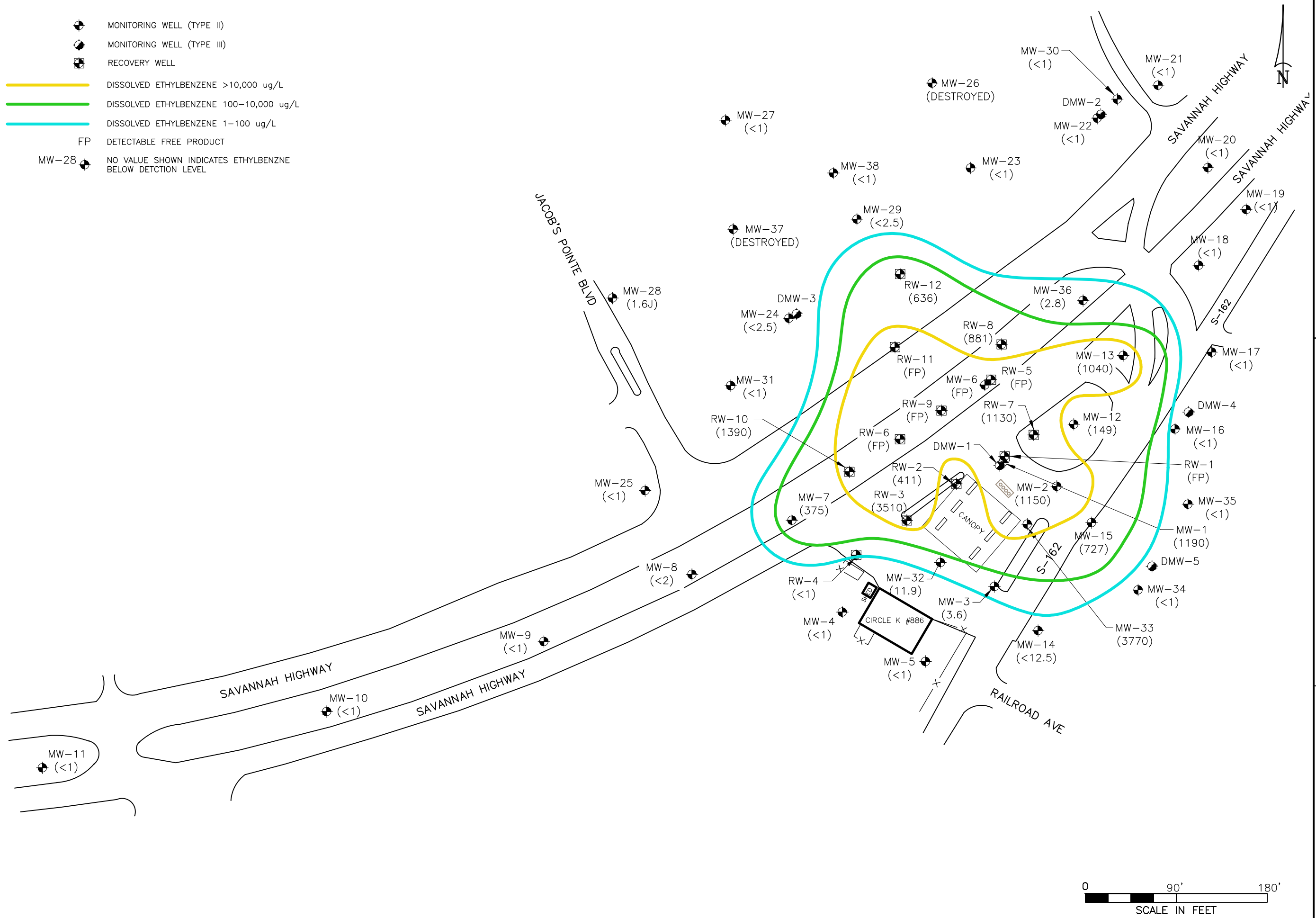
**NOTES:**  
 1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/27-28/2022.

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CAD FILE	1252215.dwg	TYPE CODE	BH	PREP. BY	BH	REV. BY		SCALE	1"=90'	DATE	11/03/2022	PROJECT NO.	257CK88613
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- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL
- DISSOLVED ETHYLBENZENE >10,000 ug/L
- DISSOLVED ETHYLBENZENE 100-10,000 ug/L
- DISSOLVED ETHYLBENZENE 1-100 ug/L
- FP DETECTABLE FREE PRODUCT
- MW-28 NO VALUE SHOWN INDICATES ETHYLBENZENE BELOW DETECTION LEVEL



**FIGURE 7**  
 TITLE  
 ETHYLBENZENE ISOPLETH MAP FOR GROUNDWATER - SEPT. 2022  
 CIRCLE K #2720886  
 4315 SAVANNAH HIGHWAY  
 RAVENEL, SOUTH CAROLINA

NOTES:  
 1. GROUNDWATER ELEVATIONS WERE MEASURED ON  
 09/27-28/2022.

CAD FILE  
 1252215.dwg

PREP. BY  
 BH








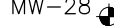
REV. BY

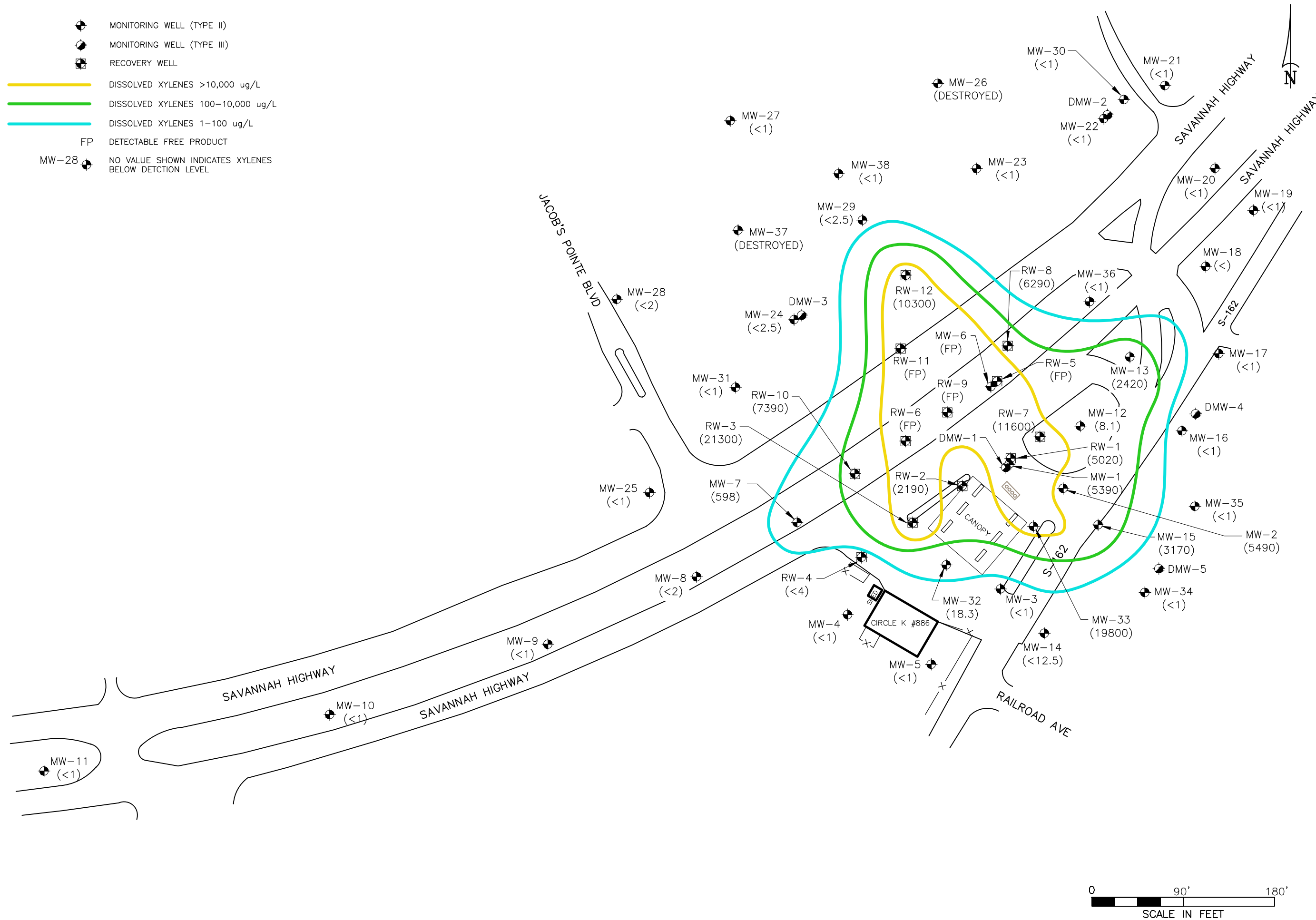
SCALE  
 1"=90'

DATE  
 11/03/2022

PROJECT NO.  
 257CK88613

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



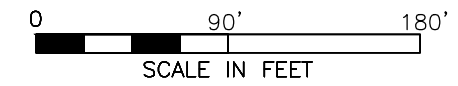
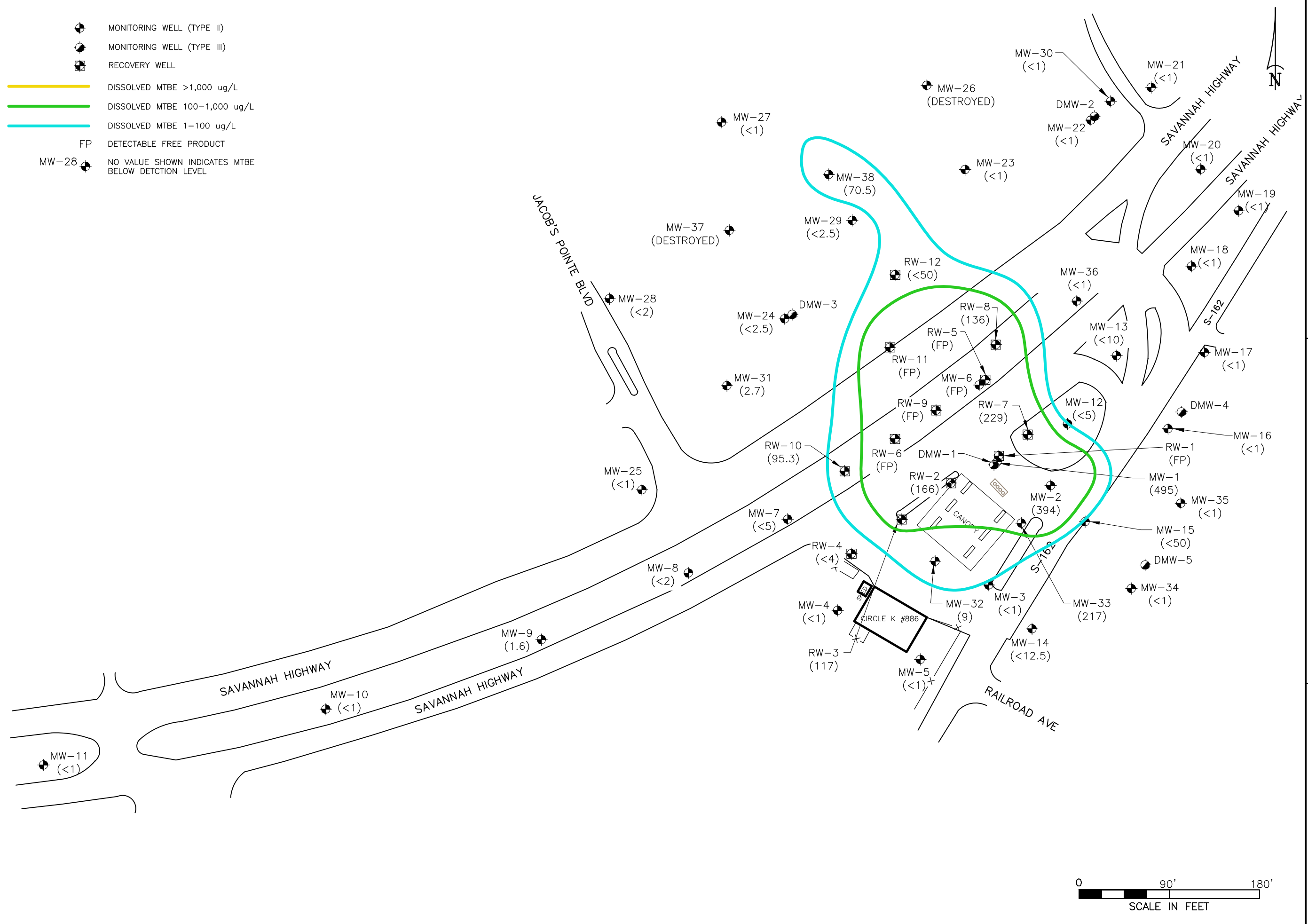
**FIGURE 8**  
 XYLENES ISOPLETH MAP FOR GROUNDWATER - SEPT. 2022  
 CIRCLE K #2720886  
 4315 SAVANNAH HIGHWAY  
 RAVENEL, SOUTH CAROLINA

NOTES:  
 1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/27-28/2022.

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CAD FILE	1252215.dwg	TYPE CODE	BH	PREP. BY	BH	REV. BY		SCALE	1"=90'	DATE	11/03/2022	PROJECT NO.	257CK88613
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- MONITORING WELL (TYPE II)
- MONITORING WELL (TYPE III)
- RECOVERY WELL
- DISSOLVED MTBE >1,000 ug/L
- DISSOLVED MTBE 100-1,000 ug/L
- DISSOLVED MTBE 1-100 ug/L
- FP DETECTABLE FREE PRODUCT
- MW-28 NO VALUE SHOWN INDICATES MTBE BELOW DETECTION LEVEL







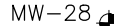


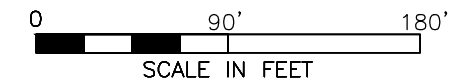
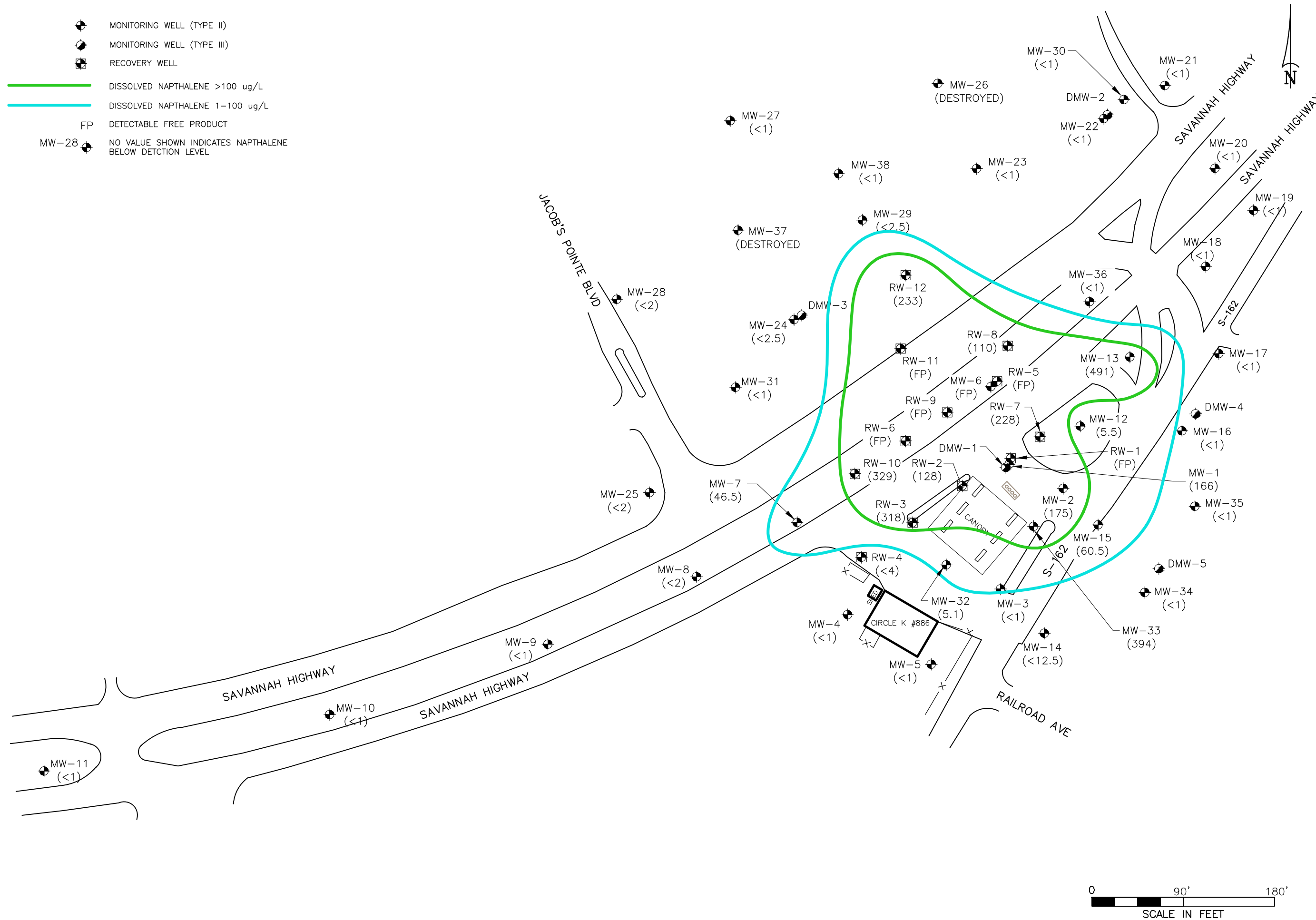
**FIGURE 9**  
 UST PERMIT #01589  
 MTBE ISOPLETH MAP FOR GROUNDWATER - SEPT. 2022  
 CIRCLE K #2720886  
 4315 SAVANNAH HIGHWAY  
 RAVENEL, SOUTH CAROLINA

NOTES:  
 1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/27-28/2022.

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CAD FILE	1252215.dwg	TYPE CODE	BH	PREP. BY	BH	REV. BY		SCALE	1"=90'	DATE	11/03/2022	PROJECT NO.	257CK88613
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-  MONITORING WELL (TYPE II)
-  MONITORING WELL (TYPE III)
-  RECOVERY WELL
-  DISSOLVED NAPHTHALENE >100 ug/L
-  DISSOLVED NAPHTHALENE 1-100 ug/L
-  DETECTABLE FREE PRODUCT
-  NO VALUE SHOWN INDICATES NAPHTHALENE BELOW DETECTION LEVEL

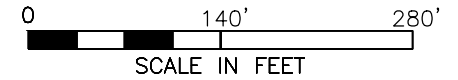


**FIGURE 10**  
 NAPHTHALENE ISOPLETH MAP FOR GROUNDWATER - SEPT. 2022  
 CIRCLE K #2720886  
 4315 SAVANNAH HIGHWAY  
 RAVENEL, SOUTH CAROLINA

NOTES:  
 1. GROUNDWATER ELEVATIONS WERE MEASURED ON 09/27-28/2022.

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CAD FILE	1252215.dwg	TYPE CODE	BH	PREP. BY	BH	REV. BY		SCALE	1"=90'	DATE	11/03/2022	PROJECT NO.	257CK88613
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SW-3 ug/L SURFACE WATER 09/28/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-9 ug/L SURFACE WATER 09/28/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

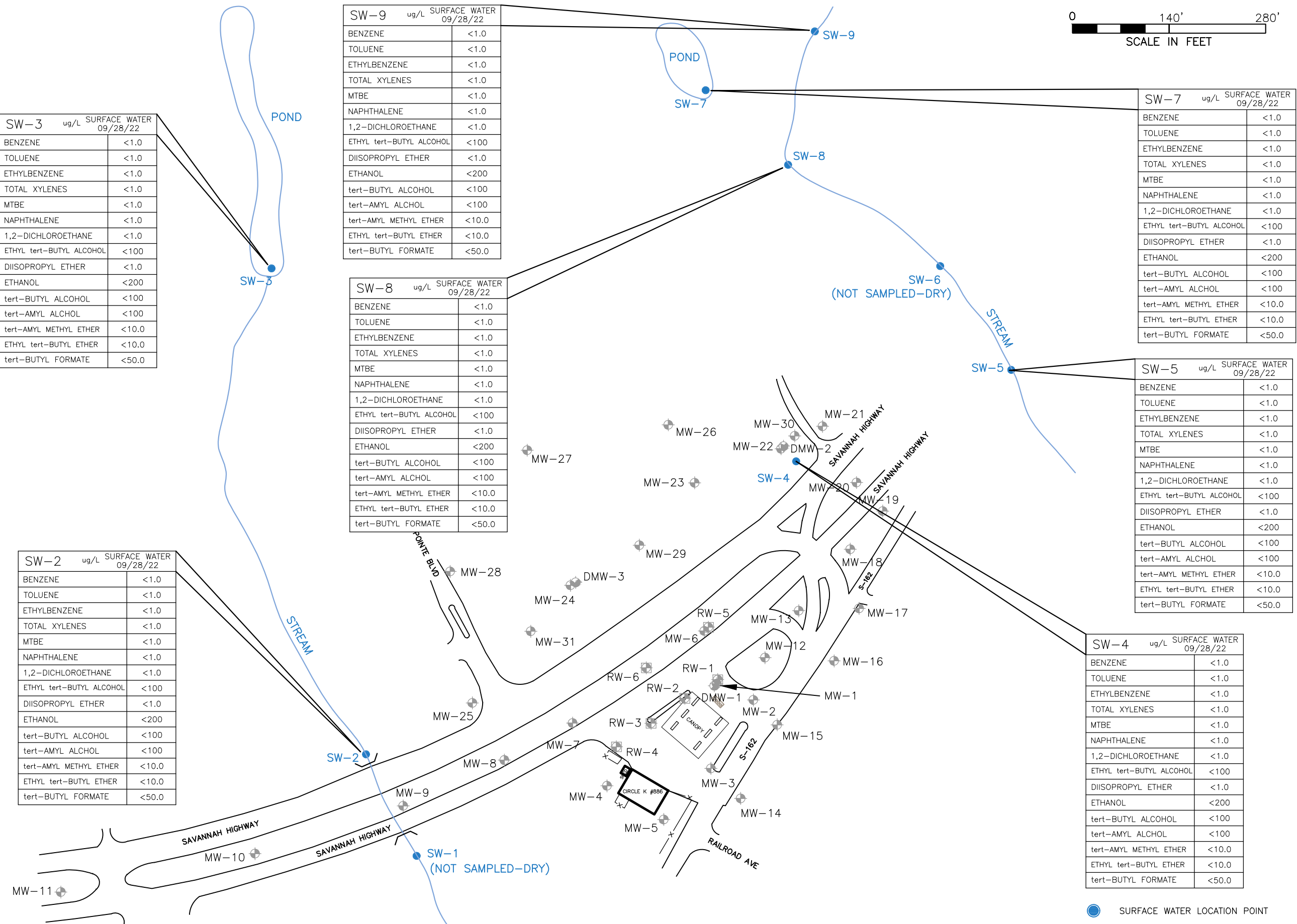
SW-8 ug/L SURFACE WATER 09/28/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-7 ug/L SURFACE WATER 09/28/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-5 ug/L SURFACE WATER 09/28/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-2 ug/L SURFACE WATER 09/28/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

SW-4 ug/L SURFACE WATER 09/28/22	
BENZENE	<1.0
TOLUENE	<1.0
ETHYLBENZENE	<1.0
TOTAL XYLENES	<1.0
MTBE	<1.0
NAPHTHALENE	<1.0
1,2-DICHLOROETHANE	<1.0
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0



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

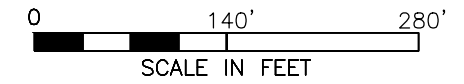
FIGURE 11

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

NOTES:

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PROJECT NO. 257CK88613  
DATE 11/03/2022  
SCALE 1"=140'  
REV. BY BH  
PREP. BY BH  
TYPE CODE 1252215.dwg



WSW-16 ug/L WATER WELL 09/28/22	
BENZENE	<0.50
TOLUENE	<0.50
ETHYLBENZENE	<0.50
TOTAL XYLENES	<1
MTBE	<0.50
NAPHTHALENE	<0.50
1,2-DICHLOROETHANE	<0.50
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

WSW-12 ug/L WATER WELL 09/28/22	
BENZENE	<0.50
TOLUENE	<0.50
ETHYLBENZENE	<0.50
TOTAL XYLENES	<1
MTBE	<0.50
NAPHTHALENE	<0.50
1,2-DICHLOROETHANE	<0.50
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

WSW-13 ug/L WATER WELL 09/28/22	
BENZENE	<0.50
TOLUENE	<0.50
ETHYLBENZENE	<0.50
TOTAL XYLENES	<1
MTBE	<0.50
NAPHTHALENE	<0.50
1,2-DICHLOROETHANE	<0.50
ETHYL tert-BUTYL ALCOHOL	<100
DIISOPROPYL ETHER	<1.0
ETHANOL	<200
tert-BUTYL ALCOHOL	<100
tert-AMYL ALCHOL	<100
tert-AMYL METHYL ETHER	<10.0
ETHYL tert-BUTYL ETHER	<10.0
tert-BUTYL FORMATE	<50.0

MW-11

● WSW-15  
(DECOMMISSIONED)

● WSW-16

● WSW-13

● WSW-12

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

**FIGURE 12**

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

NOTES:



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CAD FILE  
1252215.dwg

TYPE CODE

PREP. BY  
BH

REV. BY

SCALE  
1"=140'

DATE  
11/03/2022

PROJECT NO.  
257CK88613

**APPENDIX A**

**FIELD DATA SHEETS**



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: 9/28/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration:  
 pH, conductivity pH 4.0:  or N pH 7.0: Y or N pH 10.0: Y or N S.C.:  or N 4.49  
 Dissolved Oxygen (mg/L) DO: Y or N  
 Turbidity (NTU) Turb.: 0.0 NTU:  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 RW Other  
 Private-WSW Public-WSW  
 Depth to Free Product (DFF) (ft.): 2 Screened Interval (ft.): 12 Total Well Depth (TWD) (ft.): 12  
 Depth to Groundwater (DGW) (ft.): Free Product Thickness (ft.):

Purging Data

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

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	11:11						11:13
PH (s.u.)	5.41						
Specific Conductivity (µS/cm)	4570						
Water Temperature (°C)	24.37						
Turbidity (NTU)	222						
Dissolved Oxygen (mg/L)	3.13						

Sampling Data

Sampled By: B. Beiding Sampling Time: 11:13 Duplicate: Y or N If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: Total Gallons:

NOTES:





Underground Storage Tank Management Division Field Data Information Sheet - Sampling



**Site Information**

Date: 9/28/2022 Site ID #: 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

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

MW          RW          Other           
 Private-WSW Public-WSW  
 Depth to Free Product (DFP) (ft.):          Screened Interval (ft.): 2 Total Well Depth (TWD) (ft.): 12  
 Length of water column (LWC = TWD - DGW) (ft.):          Depth to Groundwater (DGW) (ft.): 3.94 Free Product Thickness (ft.):           
 Total Gallons Purged:         

**Purging Data**

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
9:20							922
5:56							
2:90							
20:82							
1:68							
1:88							

**Sampling Data**

Sampled By: B. Belding Sampling Time:          Duplicate: Y or N If yes, Duplicate Time: 924  
 Total Gallons:         

Notes: Circle K Store 2720886  
 Signature: Brad Hubbard  
 NOTES: DUP-1





Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: **9/27/2022** Site ID # **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

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

MW  RW  Other   
 Private-WSW  Public-WSW   
 Depth to Free Product (DFP) (ft.): **---** Screened Interval (ft.): **12** Total Well Depth (TWD) (ft.): **12**  
 Length of water column (LWC = TWD - DGW) (ft.): **---** Depth to Groundwater (DGW) (ft.): **4.16** Free Product Thickness (ft.): **---**  
 Total Gallons Purged: **---**

Purging Data

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post
Volume Purged (gallons)						
Time (military)	<b>13:56</b>					<b>13:58</b>
pH (s.u.)	<b>5.80</b>					<b>6.00</b>
Specific Conductivity (µS/cm)	<b>796</b>					
Water Temperature (°C)	<b>26.62</b>					
Turbidity (NTU)	<b>722</b>					
Dissolved Oxygen (mg/L)	<b>2.16</b>					

Sampling Data

Sampled By: B. Belding Sampling Time: **1358** Duplicate: Y or N **N** if yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: Total Gallons:

NOTES:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/27/2022 Site ID #: 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

Well ID: MW-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 #W- RW- Other  
 Private-WSW Public-WSW

Depth to Free Product (DFP) (ft.): — Screened Interval (ft.): 2 Total Well Depth (TWD) (ft.): 12  
 Depth to Groundwater (DGW) (ft.): 4.33 Free Product Thickness (ft.): —  
 Length of water column (LWC = TWD - DGW) (ft.): — Total Gallons Purged: —

**Purging Data**

	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post
Volume Purged (gallons)						
Time (military)	14:07					14:09
PH (s.u.)	5.80					
Specific Conductivity (µS/cm)	237					
Water Temperature (°C)	26.70					
Turbidity (NTU)	65.9					
Dissolved Oxygen (mg/L)	2.23					

**Sampling Data**

Sampled By: B. Belding Sampling Time: 1409 Duplicate: Y or N  
 if yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: Total Gallons:

NOTES:



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



257CK886xx

Site Information

Date: **9/26/2022** Site ID #: 01589 Project Manager: Fred Lyke  
 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

Well ID: **MW-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: Baller Pump

MW ~~HW~~ ~~RW~~ ~~Other~~  
~~Private-WSW~~ ~~Public-WSW~~  
 Depth to Free Product (DFP) (ft.): 2.55 Screened Interval (ft.): 2-12  
 Depth to Groundwater (DGW) (ft.): 2.79 Free Product Thickness (ft.): 2.4  
 Length of water column 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

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

Sampling Data

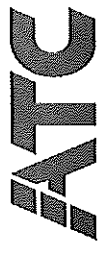
Sampled By: J. Gray Sampling Time: Duplicate: Y or N If yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: Total Gallons:

*Free Product Present NS*  
*Savannah 9/28/22*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Date: 9/28/2022 Site ID #: 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

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

**Well Information**  
 Well ID: MW-7 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652  
 Method of Purging/Sample Collection: Bailor Pump

MW RW Other  
 Private-WSW Public-WSW  
 Screened Interval (ft.): 2-2  
 Total Well Depth (TWD) (ft.): 12  
 Depth to Free Product (DFP) (ft.):  
 Free Product Thickness (ft.):  
 Length of water column  
 (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.):  
 5 casing volumes (5 x CV) (gals.):

**Purging Data**

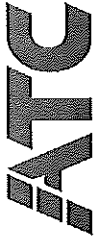
	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Initial							
Volume Purged (gallons)							
Time (military)	12:10						12:10
pH (s.u.)	5.95						5.93
Specific Conductivity (µS/cm)	1750						1750
Water Temperature (°C)	26.77						26.75
Turbidity (NTU)	1.08						1.08
Dissolved Oxygen (mg/L)	1.10						1.10

**Sampling Data**  
 Sampled By: J. Gray Sampling Time: 12:10 Duplicate: Y or N If yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9/28/2022 Site ID #: 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 County: Project Manager: Fred Lyke General Weather Conditions: partly Ambient Air Temp (°F): 67

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXM1DXL Calibration:   
 pH, conductivity: 4.10, 4.49 Probe / HGS#: VHORX7EO pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N  
 Dissolved Oxygen (mg/L): 9.83 DO: Y or N  
 Turbidity (NTU): 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: MW-8 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652  
 Method of Purging/Sample Collection: Bailer Pump

MW: RW Private-WSW: Public-WSW Other:  Screened Interval (ft.): 3-12 Total Well Depth (TWD) (ft.): 12  
 Depth to Free Product (DFP) (ft.): 3.09 Free Product Thickness (ft.):   
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	<u>1:49</u>							<u>1:49</u>
PH (s.u.)	<u>7.20</u>							<u>7.25</u>
Specific Conductivity (µS/cm)	<u>224</u>							<u>227</u>
Water Temperature (°C)	<u>25.53</u>							<u>25.13</u>
Turbidity (NTU)	<u>0.33</u>							<u>0.33</u>
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: J. Gray Sampling Time: 1:49 Duplicate: Y or N N If yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: [Signature] Total Gallons: 6000



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/27/2022 Site ID #: 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

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

Depth to Free Product (DFF) (ft.): 3.13 Free Product Thickness (ft.):  
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): Total Gallons Purged:

**Purging Data**

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	13:32						13:34
PH (s.u.)	5.58						
Specific Conductivity (µS/cm)	187						
Water Temperature (°C)	26.86						
Turbidity (NTU)	104						
Dissolved Oxygen (mg/L)	2.06						

**Sampling Data**

Sampled By: B. Beiding Duplicate: Y or N If yes, Duplicate Time:  
 Sampling Time: 1334 Total Gallons:

Notes: Circle K Store 2720886 Signature:  
 NOTES:





Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/27/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

Well ID: MW-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 RAW Other  
 Private-WSW Public-WSW

Depth to Free Product (DFP) (ft.): --- Screened Interval (ft.): 12 Total Well Depth (TWD) (ft.): 12  
 Length of water column (LWC = TWD - DGW) (ft.): --- Depth to Groundwater (DGW) (ft.): 3.53 Free Product Thickness (ft.): ---  
 1 casing volume (CV = LWC x C) (gals.): --- Total Gallons Purged: ---

**Purging Data**

	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post
Volume Purged (gallons)						
Time (military)	13:14					13:16
PH (s.u.)	5.50					
Specific Conductivity (µS/cm)	205					
Water Temperature (°C)	25.27					
Turbidity (NTU)	94.4					
Dissolved Oxygen (mg/L)	3.40					

**Sampling Data**

Sampled By: B. Beiding Duplicate: Y or N If yes, Duplicate Time:  
 Sampling Time: Total Gallons: ---

Notes: Circle K Store 2720886 Signature:  
 NOTES: Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/27/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

Well ID: 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  Private-WSW  Public-WSW

Depth to Free Product (DFP) (ft.): \_\_\_\_\_ Screened Interval (ft.): 12 Total Well Depth (TWD) (ft.): 12  
 Length of water column (LWC = TWD - DGW) (ft.): \_\_\_\_\_ Depth to Groundwater (DGW) (ft.): 3.78 Free Product Thickness (ft.): \_\_\_\_\_  
 Total Gallons Purged: \_\_\_\_\_

**Purging Data**

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
13:01							
6:75							
3:46							
24:30							
2:11							
3:11							

**Sampling Data**

Sampled By: B. Beiding Duplicate: Y or N If yes, Duplicate Time: \_\_\_\_\_  
 Sampling Time: \_\_\_\_\_

Notes: Circle K Store 2720886 Signature: \_\_\_\_\_ Total Gallons: \_\_\_\_\_  
 NOTES:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: **9/28/2022** Site ID #: **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

Meter Name: Horiba multimeter Serial #: **VYUXBPG9** Calibration: **OK** or N  
 pH, conductivity: pH 4.0: **OK** or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N 4.49  
 Dissolved Oxygen (mg/L): DO: Y or N  
 Turbidity (NTU): Turb.: 0.0 NTU: **OK** 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  
 MW: **RAW** or **Other** Screened Interval (ft.): **12** Total Well Depth (TWD) (ft.): **12**  
 Private-WSW: Public-WSW Depth to Groundwater (DGW) (ft.):

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

**Purging Data**

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	<b>9:02</b>						<b>9:04</b>
PH (s.u.)	<b>5.44</b>						
Specific Conductivity (µS/cm)	<b>818</b>						
Water Temperature (°C)	<b>22.53</b>						
Turbidity (NTU)	<b>118</b>						
Dissolved Oxygen (mg/L)	<b>6.09</b>						

**Sampling Data**

Sampled By: B. Beiding Sampling Time: Duplicate: Y or N If yes, Duplicate Time: Total Gallons:

Notes: Circle K Store 2720886 Signature:   
 NOTES: Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/27/2022 Site ID #: 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

Well ID: MW-13 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump  
 MW RW Other  
 Private-WSW Public-WSW

Depth to Free Product (DFP) (ft.): 3.66 Screened Interval (ft.): 2 Total Well Depth (TWD) (ft.): 12  
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): Free Product Thickness (ft.): Total Gallons Purged:

**Purging Data**

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post
14:32						
5:64						14:34
5:16						
27:78						
6:78						
2:78						

**Sampling Data**

Sampled By: B. Belding Sampling Time: 1434 Duplicate: Y or N If yes, Duplicate Time:  
 Total Gallons:

Notes: Circle K Store 2720886  
 NOTES: Signature: Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**  
 Date: 9/27/2022 Site ID #: 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**  
 Meter Name: Horiba multimeter Serial #: VYUXBPG9  
 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 4.49  
 Dissolved Oxygen (mg/L) DO: Y or N  
 Turbidity (NTU) Turb.: 0.0 NTU: Y or N 1.0 NTU: Y or N 10.0 NTU: Y or N

**Well Information**  
 Well ID: MW-14 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump  
 MW: RW: Other Screened Interval (ft.): 12  
 Private-WSW: Public-WSW Depth to Groundwater (DGW) (ft.): 4.95  
 Total Well Depth (TWD) (ft.): 12

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

**Purging Data**

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
9:50							9:52
5:37							
3:670							
23:07							
237							
2:94							

**Sampling Data**  
 Sampled By: B. Belding Duplicate: Y or N  
 Sampling Time: if yes, Duplicate Time:

Notes: Circle K Store 2720886  
 NOTES: GRAB  
 Signature: Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/27/2022 Site ID #: 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray

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

**Quality Assurance**

Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration:

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

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

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

**Well Information**

Well ID: 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

Meter: RW-15 Other: 2 Screened Interval (ft.): 12 Total Well Depth (TWD) (ft.): 12

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 4.71 Free Product Thickness (ft.):

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

**Purging Data**

	Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	10:02							10:04
PH (s.u.)	5.12							
Specific Conductivity (µS/cm)	418							
Water Temperature (°C)	23.78							
Turbidity (NTU)	133							
Dissolved Oxygen (mg/L)	3.44							

**Sampling Data**

Sampled By: B. Belding Duplicate: Y or N If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: Total Gallons:

NOTES:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: **9/27/2022** Site ID #: **01589** Site Name: **Circle K Store 2720886** Field Personnel: **B. Belding, J. Gray**  
 County: **Charleston** Project Manager: **Brad Hubbard** General Weather Conditions:  Ambient Air Temp (°F):

Quality Assurance

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

Well Information

Well ID: **MW-16** Well Diameter (in): **2** Conversion Factor (C): **1"** well = 0.047, **2"** well = 0.166, **4"** well = 0.652 Method of Purging/Sample Collection: **Ballier Pump**

MW **16** RW **2** Other **2** Screened Interval (ft.): **12** Total Well Depth (TWD) (ft.): **12**  
 Private-MSW **2** Public-MSW **2** Depth to Groundwater (DGW) (ft.): **343** Free Product Thickness (ft.): **---**  
 Depth to Free Product (DFP) (ft.): **---** 1 casing volume (CV = LWC x C) (gals.):  Total Gallons Purged:   
 Length of water column (LWC = TWD - DGW) (ft.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post
Volume Purged (gallons)						
Time (military)	<b>11:00</b>					<b>11:02</b>
pH (s.u.)	<b>4.19</b>					
Specific Conductivity (µS/cm)	<b>285</b>					
Water Temperature (°C)	<b>24.09</b>					
Turbidity (NTU)	<b>94.6</b>					
Dissolved Oxygen (mg/L)	<b>1.79</b>					

Sampling Data

Sampled By: **B. Belding** Sampling Time:  Duplicate: **Y** or **N** If yes, Duplicate Time:

Notes: **Circle K Store 2720886** Signature:  Total Gallons:   
 NOTES:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site Information

Date: **9/27/2022** Site ID #: **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

Well ID: **MW-17** Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW  RW  Other   
 Private-WSW  Public-WSW   
 Depth to Free Product (DFP) (ft.): **2** Screened Interval (ft.): **12** Total Well Depth (TWD) (ft.): **12**  
 Length of water column (LWC = TWD - DGW) (ft.): **3.66** Free Product Thickness (ft.):  
 Total Gallons Purged:

Purging Data

	Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post
Volume Purged (gallons)							
Time (military)	<b>10:16</b>						<b>10:18</b>
PH (s.u.)	<b>5.77</b>						
Specific Conductivity (µS/cm)	<b>506</b>						
Water Temperature (°C)	<b>24.52</b>						
Turbidity (NTU)	<b>116</b>						
Dissolved Oxygen (mg/L)	<b>5.15</b>						

Sampling Data

Sampled By: B. Belding Sampling Time: Duplicate: Y or N  If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: Total Gallons:

NOTES:





Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Date: <b>9/27/2022</b>		Site ID #: <b>01589</b>		Site Name: Circle K Store 2720886		Field Personnel: B. Belding, J. Gray	
County: Charleston		Project Manager: Brad Hubbard		General Weather Conditions:		Ambient Air Temp (°F):	
Meter Name: Horiba multimeter				Serial #: <b>VYUXBPG9</b>			
pH, conductivity		Calibration:		pH 4.0: <input checked="" type="radio"/> Y or N		pH 7.0: Y or N	
Dissolved Oxygen (mg/L)		DO: Y or N		pH 10.0: Y or N		S.C.: (Y) or N <b>4.49</b>	
Turbidity (NTU)		Turb.: 0.0 NTU: <input checked="" type="radio"/> Y or N		1.0 NTU: Y or N		10.0 NTU: Y or N	
Well Information				Method of Purging/Sample Collection: Bailor Pump			
Well ID: <b>MW-18</b>		Well Diameter (in): 2		Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652		Total Well Depth (TWD) (ft.): <b>12</b>	
RW: _____		Other: _____		Screened Interval (ft.): <b>2</b>		Free Product Thickness (ft.):	
Private-WSW: _____		Public-WSW: _____		Depth to Groundwater (DGW) (ft.): <b>3.64</b>		Total Gallons Purged:	
Depth to Free Product (DFP) (ft.): _____		1 casing volume (CV = LWC x C) (gals.):		Purging Data			
Length of water column (LWC = TWD - DGW) (ft.):		1 <sup>st</sup> Vol.		2 <sup>nd</sup> Vol.		3 <sup>rd</sup> Vol.	
Volume Purged (gallons)		Initial		4 <sup>th</sup> Vol.		5 <sup>th</sup> Vol.	
Time (military)		<b>10:32</b>		Post		Sampling	
PH (s.u.)		<b>5.28</b>				<b>10:34</b>	
Specific Conductivity (µS/cm)		<b>250</b>					
Water Temperature (°C)		<b>25.75</b>					
Turbidity (NTU)		<b>106</b>					
Dissolved Oxygen (mg/L)		<b>3.51</b>					
Sampled By: B. Belding				Sampling Time:			
Notes: Circle K Store 2720886				Duplicate: Y or <input checked="" type="radio"/> N			
NOTES:				Total Gallons:			
Signature:				Total Gallons:			



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Date: <b>9/27/2022</b>		Site ID # <b>01589</b>		Site Name: Circle K Store 2720886		Field Personnel: B. Belding, J. Gray	
County: Charleston		Project Manager: Brad Hubbard		General Weather Conditions:		Ambient Air Temp (°F):	

Meter Name: Horiba multimeter

Serial #: **VYUXBPG9**

Calibration:

ph, conductivity: pH 4.0: **Y** or N    pH 7.0: Y or N    pH 10.0: Y or N    S.C.: (Y) or N 4-49

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

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

Well Information

Well ID: **MW-19**    Well Diameter (in): 2    Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652    Method of Purging/Sample Collection: Bailor Pump

MW: ~~IW~~ ~~Private-WSW~~ ~~Public-WSW~~ ~~Other~~

Depth to Free Product (DFF) (ft.): **—**    Depth to Groundwater (DGW) (ft.): **2**    Screened Interval (ft.): **12**    Total Well Depth (TWD) (ft.): **12**

Length of water column (LWC = TWD - DGW) (ft.): **—**    1 casing volume (CV = LWC x C) (gals.): **3.73**    Free Product Thickness (ft.):    Total Gallons Purged:

Volume Purged (gallons)	Purging Data					Post Sampling
	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	
Initial						
Time (military)	<b>10:47</b>					<b>10:49</b>
PH (s.u.)	<b>4.79</b>					
Specific Conductivity (µS/cm)	<b>149</b>					
Water Temperature (°C)	<b>26.04</b>					
Turbidity (NTU)	<b>113</b>					
Dissolved Oxygen (mg/L)	<b>1.83</b>					

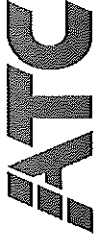
Sampled By: B. Belding    Sampling Time:    Duplicate: Y or **N**    if yes, Duplicate Time:

Notes: Circle K Store 2720886    Signature:    Total Gallons:

NOTES:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9/28/2022 Site ID # 01589 Project Manager: Fred Lyke Site Name: Circle K 2720886 Field Personnel: J. Gray

County: General Weather Conditions: Mostly Sunny / Cloudy Ambient Air Temp (°F): 60.7

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:   
 pH, conductivity 4.10, 4.49 Probe / HGS# VH0RX7E0 pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N   
 Dissolved Oxygen (mg/L) 9.83 DO: Y or N   
 Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

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

MW RW Other   
 Private-WSW Public-WSW   
 Depth to Free Product (DFP) (ft.): Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.): 12   
 Length of water column (LWC = TWD - DGW) (ft.): Depth to Groundwater (DGW) (ft.): 2.87 Free Product Thickness (ft.):   
 1 casing volume (CV = LWC x C) (gals.): 1 casing volumes (5 x CV) (gals.): 5

Purging Data

	Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1011							1011
pH (s.u.)	5.59							5.59
Specific Conductivity (µS/cm)	178							378
Water Temperature (°C)	21.10							21.10
Turbidity (NTU)	18.6							18.6
Dissolved Oxygen (mg/L)	2.19							2.19

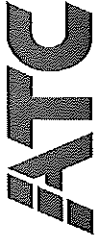
Sampling Data

Sampled By: J. Gray Sampling Time: 1011 Duplicate: Y or N If yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: Total Gallons: 6000



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9 / 27 / 2022 Site ID #: 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 County: Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F): 69°

Quality Assurance

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

Well Information

Well ID: MW-21 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump  
 MW Private-WSW Public-WSW Other  
 Depth to Free Product (DFP) (ft.): 10.5  
 Length of water column (LWC = TWD - DGW) (ft.): 10.5  
 Screened Interval (ft.): 2-12  
 Total Well Depth (TWD) (ft.): 12  
 Free Product Thickness (ft.):  
 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
	1031	1035					
Volume Purged (gallons)							
Time (military)	6:18	6:31					1035
PH (s.u.)	406	448					6.31
Specific Conductivity (µS/cm)	25.83	25.70					448
Water Temperature (°C)	22.9	1000+					25.70
Turbidity (NTU)	6.42	1.99					1000+
Dissolved Oxygen (mg/L)							1.99

Sampling Data

Sampled By: J. Gray Sampling Time: 1035 Duplicate: Y or N If yes, Duplicate Time:  
 Signature: Fred Lyke

Notes: 4315 Savannah Highway Total Gallons:  
 Signature: Fred Lyke



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK866xx

Site Information

Date: 9/27/2022 Site ID #: 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 County: Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

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

Depth to Free Product (DFP) (ft.): Screened Interval (ft.): 5-15 Total Well Depth (TWD) (ft.): 15  
 Length of water column (LWC = TWD - DGW) (ft.): Depth to Groundwater (DGW) (ft.): 8.27 Free Product Thickness (ft.):  
 1 casing volume (CV = LWC x C) (gals.): 1 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1105							1105
PH (s.u.)	7.95							7.95
Specific Conductivity (µS/cm)	58							58
Water Temperature (°C)	24.56							24.56
Turbidity (NTU)	97.2							97.2
Dissolved Oxygen (mg/L)	8.48							8.48

Sampling Data

Sampled By: J. Gray Sampling Time: 1105 Duplicate: Y or N If yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: *J. Gray*

Total Gallons: \_\_\_\_\_

*Gray*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9/27/2022 Site ID # 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 County: Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F): 70.5

Quality Assurance

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

Well Information

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

Depth to Free Product (DFF) (ft.): 7.18 Screened Interval (ft.): 5-15 Total Well Depth (TWD) (ft.): 15  
 Depth to Groundwater (DGW) (ft.): 7.82 Free Product Thickness (ft.):  
 Length of water column (LWC = TWD - DGW) (ft.): 7.18 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

	Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)	1249							1249
PH (s.u.)	6.0							6.0
Specific Conductivity (µS/cm)	237							337
Water Temperature (°C)	27.29							27.29
Turbidity (NTU)	2.41							2.41
Dissolved Oxygen (mg/L)	3.94							3.94

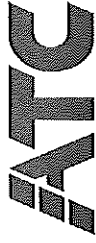
Sampling Data

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

Notes: 4315 Savannah Highway Signature: Total Gallons: 66.63



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



257CK886xx

Site Information

Date: 9/27/2022 Site ID #: 01589 Project Manager: Fred Lyke  
 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

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

Depth to Free Product (DFP) (ft.): 6.91 Screened Interval (ft.): 5-15 Total Well Depth (TWD) (ft.): 15  
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):  
 Free Product Thickness (ft.):

Purging Data

	1a Vol.	2a Vol.	3a Vol.	4a Vol.	5a Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	1739						1739
PH (s.u.)	7.67						7.67
Specific Conductivity (µS/cm)	80						80
Water Temperature (°C)	26.68						26.68
Turbidity (NTU)	1.80						1.80
Dissolved Oxygen (mg/L)	1.07						1.07

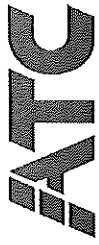
Sampling Data

Sampled By: J. Gray Sampling Time: 1739 Duplicate: Y or N If yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: *J. Gray* Total Gallons: *6000*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9/27/2022 Site ID # 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 County: Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

Well ID: MW-25 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  
 Private-WSW Public-WSW Other

Depth to Free Product (DFP) (ft.): 1.49 Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.): 12  
 Length of water column Free Product Thickness (ft.):  
 (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
1669	1607	1610	1613	1616	1619		1619
5.79	5.61	5.79	5.83	5.90	5.36		5.36
234	229	226	226	224	223		223
27.27	26.93	26.83	26.74	26.73	26.27		26.27
105	442	422	351	379	379		379
0.88	1.16	1.13	0.98	2.59	1.16		1.16

Sampling Data

Sampled By: J. Gray Sampling Time: 1619 Duplicate: Y or N if yes, Duplicate Time:

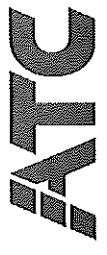
Notes: 4315 Savannah Highway Signature: *Joseph Gray* Total Gallons: 2.75 gallons  
*Reynold*

*6/2/23*





Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site ID # 01589      Site Name: Circle K 2720886      Field Personnel: J. Gray      257CK886xx

Date: 9/28/2022      Project Manager: Fred Lyke      General Weather Conditions:      Ambient Air Temp (°F):

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

ph, conductivity      4.10, 4.49      pH 4-0: (Y) or N      pH 7-0: Y or N      pH 10-0: Y or N

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

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

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

MW      RW      Other      Screened Interval (ft.):

Private-WSW      Public-WSW      Other

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

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

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

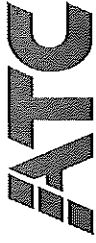
Sampled By: J. Gray      Sampling Time:      Duplicate: Y or N      if yes, Duplicate Time:

Notes: 4315 Savannah Highway      Signature:      Total Gallons:

*Not located - well destroyed*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK86xx

Site Information

Date: 9/27/2022 Site ID #: 01589 Project Manager: Fred Lyke  
 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 County: General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

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

Depth to Free Product (DFF) (ft.): 8.29 Screened Interval (ft.): 5-15 Total Well Depth (TWD) (ft.): 15  
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):  
 Depth to Groundwater (DGW) (ft.): 1310 Free Product Thickness (ft.):  
 1 casing volume (CV = LWC x C) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post
Volume Purged (gallons)						
Time (military)						
PH (s.u.)	1310					1310
Specific Conductivity (µS/cm)	551					551
Water Temperature (°C)	120					120
Turbidity (NTU)	28.02					28.02
Dissolved Oxygen (mg/L)	213					213
	6.99					6.99

Sampling Data

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

Notes: 4315 Savannah Highway Signature: Total Gallons:  
 Genes Well pad damaged, requires 1" bailer to sample.



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



Date: **9/27/2022** Site ID #: **01589** Site Name: **Circle K 2720886** Field Personnel: **J. Gray**  
 County: Project Manager: **Fred Lyke** General Weather Conditions: Ambient Air Temp (°F): **257CK886xx**

Meter Name: **Horiba multimeter** Serial #: **YPXM1DXL** Calibration: **10.0 NTU: Y or N**  
 pH conductivity: **4.10, 4.49** pH 4.0: (Y) or N: **N** pH 7.0: Y or N: **N** pH 10.0: Y or N: **N** S.C.: (Y) or N: **N**  
 Dissolved Oxygen (mg/L): **9.83** DO: Y or N: **N**  
 Turbidity (NTU): **0.3** Turb.: 0.0 NTU: (Y) or N: **N** 1.0 NTU: Y or N: **N** 10.0 NTU: Y or N: **N**

Well ID: **MW-28** Well Diameter (in): **2** Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: **Ballor Pump**  
 MW:  RW:  Other:  Screened Interval (ft.): **2-12** Total Well Depth (TWD) (ft.): **12**  
 Private-WSW:  Public-WSW:  Depth to Free Product (DFP) (ft.): **5.23** Free Product Thickness (ft.): **5**  
 Length of water column (LWC = TWD - DGW) (ft.): **1** casing volume (CV = LWC x C) (gals.): **0.652** 5 casing volumes (5 x CV) (gals.): **3.26**

Purging Data		Sampling Data					
Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	<b>1509</b>						<b>1509</b>
PH (s.u.)	<b>5.53</b>						<b>5.53</b>
Specific Conductivity (µS/cm)	<b>165</b>						<b>165</b>
Water Temperature (°C)	<b>26.45</b>						<b>26.45</b>
Turbidity (NTU)	<b>84.7</b>						<b>84.7</b>
Dissolved Oxygen (mg/L)	<b>1.34</b>						<b>1.34</b>

Sampled By: **J. Gray** Sampling Time: **1509** Duplicate: **Y or N** If yes, Duplicate Time: **N**

Notes: **4315 Savannah Highway** Signature: **[Signature]** Total Gallons: **3.26**



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9/27/2022 Site ID #: 01589 Project Manager: Fred Lyke  
 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

Well ID: MW-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  
 Private-MSW Public-MSW Other

Depth to Free Product (DFF) (ft.): 6.89 Screened Interval (ft.): 5-15 Total Well Depth (TWD) (ft.): 15  
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):  
 Depth to Groundwater (DGW) (ft.): 6.89 Free Product Thickness (ft.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
1419							
5.21							1419
281							5.21
2657							281
1.81							26.57
1.81							1.55
							1.81

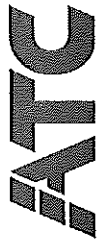
Sampling Data

Sampled By: J. Gray Sampling Time: 1419 Duplicate: Y or N If yes, Duplicate Time:  
 Total Gallons:

Notes: 4315 Savannah Highway Signature: *J. Gray*  
 Total Gallons: *6.89*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9/27/2022 Site ID # 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

Well ID: MW-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 IW RW Other  
 Private-WSW Public-WSW

Depth to Free Product (DFF) (ft.): 3.61 Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.): 12  
 Length of water column (LWC = TWD - DGW) (ft.): 8.39 Depth to Groundwater (DGW) (ft.): 3.61 Free Product Thickness (ft.):  
 1 casing volume (CV = LWC x C) (gals.): 1.39 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
1079							1079
7.91							7.91
120							120
26.98							26.98
117							117
4.85							4.85

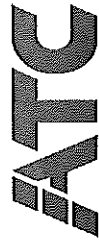
Sampling Data

Sampled By: J. Gray Sampling Time: 1079 Duplicate: Y or N  
 if yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: Total Gallons: 6000



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



257CK886xx

### Site Information

Date: **9/27/2022** Site ID #: **01589** Project Manager: **Fred Lyke** General Weather Conditions: **Field Personnel: J. Gray** Ambient Air Temp (°F):

### Quality Assurance

Meter Name: **Horiba multimeter** Serial #: **YPXM1DXL** Calibration: **10.0 NTU: Y or N**

pH, conductivity: **4.10, 4.49** Probe / HGS#: **VHORX7EO** pH 4.0: (Y) or N **DO: Y or N** pH 7.0: Y or N **pH 10.0: Y or N** S.C.: (Y) or N

Dissolved Oxygen (mg/L): **9.83** Turb.: **0.0 NTU: (Y) or N** **1.0 NTU: Y or N** **10.0 NTU: Y or N**

### Well Information

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

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

Private-WSW **Public-WSW** Depth to Groundwater (DGW) (ft.): **7.82** Free Product Thickness (ft.):

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

### Purging Data

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	<b>1459</b>						<b>1457</b>
pH (s.u.)	<b>5.31</b>						<b>5.31</b>
Specific Conductivity (µS/cm)	<b>197</b>						<b>197</b>
Water Temperature (°C)	<b>25.84</b>						<b>25.84</b>
Turbidity (NTU)	<b>82.4</b>						<b>82.4</b>
Dissolved Oxygen (mg/L)	<b>8.58</b>						<b>8.58</b>

### Sampling Data

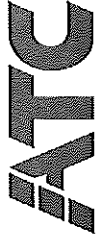
Sampled By: **J. Gray** Sampling Time: **1459** Duplicate: **Y or N** If yes, Duplicate Time:

Notes: **4315 Savannah Highway** Signature: *J. Gray* Total Gallons:

*Grays*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9/28/2022 Site ID #: 01589 Project Manager: Fred Lyke  
 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

Well ID: MW-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  
 Screened Interval (ft.): 3-13  
 Total Well Depth (TWD) (ft.):  
 Free Product Thickness (ft.):  
 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)							1404
PH (s.u.)	7.97						
Specific Conductivity (µS/cm)	570						
Water Temperature (°C)	8.1						
Turbidity (NTU)	0.86						
Dissolved Oxygen (mg/L)	7.1						
	5.96						

Sampling Data

Sampled By: J. Gray Sampling Time: 1404 Duplicate: Y or N  
 if yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: *JB* Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/28/2022 Site ID #: 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: \_\_\_\_\_ Ambient Air Temp (°F): \_\_\_\_\_

**Quality Assurance**

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

**Well Information**

Well ID: MW-33 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Ballor Pump

MW 4W RW Other Screened Interval (ft.): 3 Total Well Depth (TWD) (ft.): 13

Depth to Free Product (DFP) (ft.): \_\_\_\_\_ Depth to Groundwater (DGW) (ft.): 5.00 Free Product Thickness (ft.): \_\_\_\_\_

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

**Purging Data**

	Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post
Volume Purged (gallons)							
Time (military)	<u>10:41</u>						<u>10:42</u>
PH (s.u.)	<u>5.76</u>						
Specific Conductivity (µS/cm)	<u>2130</u>						
Water Temperature (°C)	<u>23.26</u>						
Turbidity (NTU)	<u>192</u>						
Dissolved Oxygen (mg/L)	<u>2.34</u>						

**Sampling Data**

Sampled By: B. Belding Sampling Time: 1042 Duplicated: Y or N \_\_\_\_\_ If yes, Duplicate Time: 1044

Notes: Circle K Store 2720886 Signature: \_\_\_\_\_ Total Gallons: \_\_\_\_\_

NOTES: DUP-2





Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/27/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray

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

**Quality Assurance**

Meter Name: Horiba multimeter Serial #: VYUXBPG9 Calibration:

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

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

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

**Well Information**

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

MW  Private-WSW  Public-WSW  Other

Depth to Free Product (DFP) (ft.): — Screened Interval (ft.): 3 Total Well Depth (TWD) (ft.): 13

Length of water column (LWC = TWD - DGW) (ft.): — Depth to Groundwater (DGW) (ft.): 8.76 Free Product Thickness (ft.): —

Total Gallons Purged: —

**Purging Data**

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
11:52							
5:46							11:54
14:5							
22:40							
27:2							
3:66							

**Sampling Data**

Sampled By: B. Beiding Duplicate: Y or  N If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: Total Gallons:

NOTES:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: **9/27/2022** Site ID #: **01589** Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray

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

**Quality Assurance**

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

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

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

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

**Well Information**

Well ID: **MW-35** Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump

MW #W: **35** RW: **3** Other: **13** Screened Interval (ft.): **13** Total Well Depth (TWD) (ft.): **13**

Private-WSW: **3** Public-WSW: **13** Depth to Groundwater (DGW) (ft.): **7.09** Free Product Thickness (ft.):

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

**Purging Data**

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	<b>11:19</b>						<b>11:21</b>
PH (s.u.)	<b>5.17</b>						
Specific Conductivity (µS/cm)	<b>340</b>						
Water Temperature (°C)	<b>23.28</b>						
Turbidity (NTU)	<b>93.7</b>						
Dissolved Oxygen (mg/L)	<b>2.49</b>						

**Sampling Data**

Sampled By: B. Belding Duplicate: Y or **N** If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: Total Gallons:

NOTES:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: **9/28/2022** Site ID #: 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 Project Manager: Fred Lyke General Weather Conditions: *Cloudy / 60's* Ambient Air Temp (°F): *60's*

Quality Assurance

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

Well Information

Well ID: **MW-36** Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Baller Pump  
 MW ~~IW~~ ~~RW~~ ~~Other~~  
 Private-WSW ~~Public-WSW~~

Depth to Free Product (DFP) (ft.): *3-13* Screened Interval (ft.): *3-13* Total Well Depth (TWD) (ft.): *13*  
 Length of water column (LWC = TWD - DGW) (ft.): *10.22* Depth to Groundwater (DGW) (ft.): *2.78* Free Product Thickness (ft.):  
 1 casing volume (CV = LWC x C) (gals.): *1.69* 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	<i>1503</i>	<i>1557</i>	<i>1600</i>				<i>000</i>
PH (s.u.)	<i>6.2</i>	<i>6.10</i>	<i>6.13</i>				<i>5.13</i>
Specific Conductivity (µS/cm)	<i>578</i>	<i>583</i>	<i>577</i>				<i>600</i>
Water Temperature (°C)	<i>20.62</i>	<i>20.61</i>	<i>20.63</i>				<i>20.57</i>
Turbidity (NTU)	<i>71.7</i>	<i>68</i>	<i>100.5</i>				<i>100.5</i>
Dissolved Oxygen (mg/L)	<i>6.0</i>	<i>6.0</i>	<i>6.0</i>				<i>6.0</i>

Sampling Data

Sampled By: J. Gray Sampling Time: *1:00* Duplicate: Y or N If yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: *J. Gray* Total Gallons: *4.0 gallons*  
*Purging Sample 2nd Vol.* *Revised*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: **9 / 28 / 2022** Site ID #: 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 County: Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: Horiba multimeter Serial #: YPXN1DXL Calibration:  
 pH, conductivity 4.10, 4.49 Probe / HGS# VH0RX7EO pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N  
 Dissolved Oxygen (mg/L) 9.83 DO: Y or N  
 Turbidity (NTU) 0.3 Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: **MW-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  Screened Interval (ft.): Total Well Depth (TWD) (ft.):

Purging Data

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

Sampling Data

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

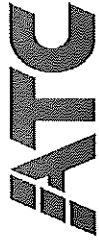
Sampling Data

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

Notes: 4315 Savannah Highway Signature: Total Gallons:  
*Well Not Located - Destroyed*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9/27/2022 Site ID # 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 Project Manager: Fred Lyke General Weather Conditions: *Overcast* Ambient Air Temp (°F): 70.5

Quality Assurance

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

Well Information

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

MW  IW  RW  Other   
 Private-WSW  Public-WSW   
 Depth to Free Product (DFP) (ft.): *8.67* Screened Interval (ft.): *3-13* Total Well Depth (TWD) (ft.): *13*  
 Length of water column (LWC = TWD - DGW) (ft.): *1* Depth to Groundwater (DGW) (ft.): *8.67* Free Product Thickness (ft.):  
 5 casing volumes (CV = LWC x C) (gals.): *5*

Purging Data

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	<i>1459</i>						<i>1459</i>
PH (s.u.)	<i>7.92</i>						<i>7.92</i>
Specific Conductivity (µS/cm)	<i>236</i>						<i>236</i>
Water Temperature (°C)	<i>27.12</i>						<i>27.12</i>
Turbidity (NTU)	<i>428</i>						<i>428</i>
Dissolved Oxygen (mg/L)	<i>2.22</i>						<i>2.22</i>

Sampling Data

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

Notes: 4315 Savannah Highway Signature: *J. Gray* Total Gallons:  
*GRAB* *Stick w/ Bait / Measure 1" Baiter to Sample*



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/28/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

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

MW RW Other  
 Private-WSW Public-WSW  
 Depth to Free Product (DFP) (ft.): 34 Screened Interval (ft.): 39 Total Well Depth (TWD) (ft.): 39  
 Depth to Groundwater (DGW) (ft.): 4.87 Free Product Thickness (ft.):  
 Length of water column (LWC = TWD - DGW) (ft.): 34.13 1 casing volume (CV = LWC x C) (gals.): 5.67 Total Gallons Purged:

**Purging Data**

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	11:34	11:40					11:43
PH (s.u.)	6.55	6.96					7.01
Specific Conductivity (µS/cm)	648	478					471
Water Temperature (°C)	24.48	23.34					22.92
Turbidity (NTU)	103	1000+					1000+
Dissolved Oxygen (mg/L)	8.46	2.71					2.65

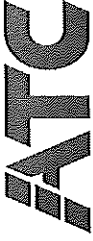
**Sampling Data**

Sampled By: B. Beiding Sampling Time: 1143 Duplicate: Y or N If yes, Duplicate Time:  
 Total Gallons:

Notes: Circle K Store 2720886  
 NOTES: DRY @ 1st. Vol. + 1.75



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: **9/27/2022** Site ID #: **01589** Site Name: **Circle K 2720886** Field Personnel: **J. Gray**  
 County: Project Manager: **Fred Lyke** General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

Meter Name: **Horiba multimeter** Serial #: **YPXM1DXL** Calibration:  
 pH, conductivity: **4.10, 4.49** pH 4-0: (Y) or N pH 7-0: Y or N pH 10-0: Y or N S.C.: (Y) or N  
 Dissolved Oxygen (mg/L): **9.83** DO: Y or N  
 Turbidity (NTU): **0.3** Turb.: 0.0 NTU: (Y) or N 1.0 NTU: Y or N 10.0 NTU: Y or N

Well Information

Well ID: **MW-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: **Baller Pump**

MW:  RAW  Other   
 Private-WSW  Public-WSW

Depth to Free Product (DFP) (ft.): **37-39** Screened Interval (ft.): **37-39** Total Well Depth (TWD) (ft.): **39**  
 Depth to Groundwater (DGW) (ft.): **4.11** Free Product Thickness (ft.):

Length of water column (LWC = TWD - DGW) (ft.): **37.89** 1 casing volume (CV = LWC x C) (gals.): **5.79** 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	<b>1121</b>						<b>1121</b>
PH (s.u.)	<b>7.40</b>						<b>7.40</b>
Specific Conductivity (µS/cm)	<b>416</b>						<b>416</b>
Water Temperature (°C)	<b>25.46</b>						<b>25.46</b>
Turbidity (NTU)	<b>998</b>						<b>998</b>
Dissolved Oxygen (mg/L)	<b>1.97</b>						<b>1.97</b>

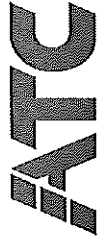
Sampling Data

Sampled By: **J. Gray** Sampling Time: **1121** Duplicate: **Y or N** If yes, Duplicate Time:

Notes: **4315 Savannah Highway** Signature: *[Signature]* Total Gallons: **6.0 gals**



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9/27/2022 Site ID #: 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 County: Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

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

MW: IW RW Other Screened Interval (ft.): 35-40 Total Well Depth (TWD) (ft.):

Private-WSW Public-WSW Depth to Groundwater (DGW) (ft.): 8.74 Free Product Thickness (ft.):

Length of water column (LWC = TWD - DGW) (ft.): 31.56 1 casing volume (CV = LWC x C) (gals.): 5.23 5 casing volumes (5 x CV) (gals.):

Purging Data

	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	<u>1528</u>						<u>1528</u>
pH (s.u.)	<u>7.18</u>						<u>7.03</u>
Specific Conductivity (µS/cm)	<u>397</u>						<u>468</u>
Water Temperature (°C)	<u>26.73</u>						<u>24.32</u>
Turbidity (NTU)	<u>68.9</u>						<u>1066+</u>
Dissolved Oxygen (mg/L)	<u>9.74</u>						<u>2.19</u>

Sampling Data

Sampled By: J. Gray Sampling Time: 1528 Duplicate: Y or N N if yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: [Signature] Total Gallons: 5.50 gallons  
[Signature]





Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/27/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

Well ID: DMW-4 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump  
 MW  RW  Other  Screened Interval (ft.): 45 Total Well Depth (TWD) (ft.): 45  
 Private-WSW  Public-WSW  Depth to Groundwater (DGW) (ft.): 2.83 Free Product Thickness (ft.):

**Purging Data**

Depth to Free Product (DFF) (ft.): 42.17 1 casing volume (CV = LWC x C) (gals.): 7.0 Total Gallons Purged: 7.0  
 Length of water column (LWC = TWD - DGW) (ft.):

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (Military)	11:35	11:43					11:44
PH (s.u.)	6.57	6.78					
Specific Conductivity (µS/cm)	386	421					
Water Temperature (°C)	22.27	21.16					
Turbidity (NTU)	44.2						
Dissolved Oxygen (mg/L)	3.14	3.92					

**Sampling Data**

Sampled By: B. Beiding Duplicate: Y or  N If yes, Duplicate Time:

Notes: Circle K Store 2720886 Signature: Total Gallons: 7.0  
 NOTES: DRY @ 1ST. VOL.



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



<b>Site Information</b> Date: 9/27/2022    Site ID #: 01589    Site Name: Circle K Store 2720886    Field Personnel: B. Belding, J. Gray County: Charleston    Project Manager: Brad Hubbard    General Weather Conditions:    Ambient Air Temp (°F):								
<b>Quality Assurance</b> Meter Name: Horiba multimeter    Serial #: VYUXBPG9 pH, conductivity    Calibration:    pH 4.0: <input checked="" type="checkbox"/> Y or N    pH 7.0: Y or N    pH 10.0: Y or N    S.C.: <input checked="" type="checkbox"/> Y or N 4.49 Dissolved Oxygen (mg/L)    DO: Y or N Turbidity (NTU)    Turb.: 0.0 NTU: <input checked="" type="checkbox"/> Y or N    1.0 NTU: Y or N    10.0 NTU: Y or N								
<b>Well Information</b> Well ID: DMW-5    Well Diameter (in): 2    Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652    Method of Purging/Sample Collection: Bailor Pump MW: RW    Other:    Screened Interval (ft.): 43 Private-MSW    Public-MSW    Depth to Groundwater (DGW) (ft.): 8.36 Depth to Free Product (DFP) (ft.): _____    Free Product Thickness (ft.): _____ Length of water column (LWC = TWD - DGW) (ft.): 34.64    1 casing volume (CV = LWC x C) (gals.): 5.75    Total Gallons Purged: _____								
<b>Purging Data</b>								
Volume Purged (gallons)	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Time (military)	12:18	12:24	12:33					12:39
PH (s.u.)	6.66	6.96	7.05					
Specific Conductivity (µS/cm)	360	382	386					
Water Temperature (°C)	21.71	21.23	20.81					
Turbidity (NTU)	85.0	7.27	6.92					
Dissolved Oxygen (mg/L)	2.16	1.84	2.33					
Sampled By: B. Belding    Sampling Time: 1239    Duplicate: Y or N <input checked="" type="checkbox"/> if yes, Duplicate Time:								
Notes: Circle K Store 2720886    Signature:								
NOTES: DRY @ 2ND. Vol. + 3.5 GALS.    Total Gallons: 19.5								



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/28/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

Well ID: ~~RW-1~~ RW-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  
 Private-WSW  Public-WSW

Depth to Free Product (DFP) (ft.): 4.00 Screened Interval (ft.): 13 Total Well Depth (TWD) (ft.): 13  
 Length of water column (LWC = TWD - DFW) (ft.): 4.30 Depth to Groundwater (DGW) (ft.): 3 Free Product Thickness (ft.):  
 Total Gallons Purged:

**Purging Data**

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (Military)							13:12
PH (s.u.)							
Specific Conductivity (µS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							

**Sampling Data**

Sampled By: B. Belding Duplicate: Y or  N If yes, Duplicate Time:  
 Sampling Time:

Notes: Circle K Store 2720886 Signature: Total Gallons:  
 NOTES:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/28/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

Well ID: ~~AW-2~~ 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  
 Private-WSW  Public-WSW

Depth to Free Product (DFF) (ft.): \_\_\_\_\_ Screened Interval (ft.): 3  
 Total Well Depth (TWD) (ft.): 13  
 Free Product Thickness (ft.): \_\_\_\_\_  
 Total Gallons Purged: \_\_\_\_\_

**Purging Data**

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

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	12:13						12:15
PH (s.u.)	4.64						
Specific Conductivity (µS/cm)	1200						
Water Temperature (°C)	24.80						
Turbidity (NTU)	390						
Dissolved Oxygen (mg/L)	0.67						

**Sampling Data**

Sampled By: B. Beiding Duplicate: Y or  N If yes, Duplicate Time: \_\_\_\_\_  
 Sampling Time: 1215

Notes: Circle K Store 2720886 Signature: \_\_\_\_\_ Total Gallons: \_\_\_\_\_  
 NOTES: 2 VIALS



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



**Site Information**

Date: 9/28/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

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

Depth to Free Product (DFP) (ft.): --- Screened Interval (ft.): 13 Total Well Depth (TWD) (ft.): 13  
 Length of water column (LWC = TWD - DGW) (ft.): --- Depth to Groundwater (DGW) (ft.): 4.06 Free Product Thickness (ft.): ---  
 Total Gallons Purged: ---

**Purging Data**

Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
12:41							
5:38							12:43
1780							
26.91							
206							
1.218							

**Sampling Data**

Sampled By: B. Belding Duplicate: Y or N If yes, Duplicate Time:  
 Sampling Time:

Notes: Circle K Store 2720886 Signature: Total Gallons: 2 VIALS  
 NOTES:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/28/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Beiding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

Well ID: ~~ATLAS~~ RW-4 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump  
 Screened Interval (ft.): 13 Total Well Depth (TWD) (ft.): 13

MW ~~HW~~ ~~Private-WSW~~ ~~Other~~ ~~Public-WSW~~  
 Depth to Free Product (DFP) (ft.): 3.46 Depth to Groundwater (DGW) (ft.): 3  
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): Total Gallons Purged:

**Purging Data**

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	13:54						13:56
PH (s.u.)	5.73						
Specific Conductivity (µS/cm)	461						
Water Temperature (°C)	26.39						
Turbidity (NTU)	135						
Dissolved Oxygen (mg/L)	3.23						

**Sampling Data**

Sampled By: B. Beiding Duplicate: Y or N If yes, Duplicate Time:  
 Sampling Time: Total Gallons:

Notes: Circle K Store 2720886 Signature:  
 NOTES:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



**Site Information**

Date: 9/28/2022 Site ID # 01589 Site Name: Circle K Store 2720886 Field Personnel: B. Belding, J. Gray  
 County: Charleston Project Manager: Brad Hubbard General Weather Conditions: Ambient Air Temp (°F):

**Quality Assurance**

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

**Well Information**

Well ID: ~~XXXX~~ RW-7 Well Diameter (in): 2 Conversion Factor (C): 1" well = 0.047, 2" well = 0.166, 4" well = 0.652 Method of Purging/Sample Collection: Bailor Pump  
 MW  Private-WSW  Public-WSW  Other  Screened Interval (ft.): 3 Total Well Depth (TWD) (ft.): 13  
 Depth to Free Product (DFP) (ft.): Depth to Groundwater (DGW) (ft.): Free Product Thickness (ft.):

**Purging Data**

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

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
10:09							10:11
PH (s.u.)	6.07						
Specific Conductivity (µS/cm)	2290						
Water Temperature (°C)	23.00						
Turbidity (NTU)	310						
Dissolved Oxygen (mg/L)	4.79						

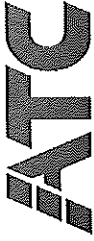
**Sampling Data**

Sampled By: B. Belding Duplicate: Y or  N If yes, Duplicate Time:  
 Sampling Time: Total Gallons:

Notes: Circle K Store 2720886  
 NOTES: Signature:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9/28/2022 Site ID #: 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 County: Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

Well ID: MW-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  
 Screened Interval (ft.): 6-12 Total Well Depth (TWD) (ft.): 12

MW: ~~RA~~ ~~Private-MSW~~ ~~Public-MSW~~ Other  
 Depth to Free Product (DFP) (ft.): 2.78 Depth to Groundwater (DGW) (ft.): 2.68 Free Product Thickness (ft.): 2.20  
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

Purging Data

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

Sampling Data

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

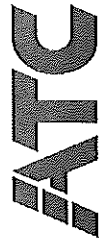
Notes: 4315 Savannah Highway Signature: Total Gallons:

False Product Present NS  
 Secondary Sampling @ 1945 1/28/22





Underground Storage Tank Management Division Field Data Information Sheet – Sampling



Site ID # 01589 Date: 9/28/2022 Site Name: Circle K 2720896 Field Personnel: J. Gray 257CK866xx

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

Quality Assurance
Meter Name: Horiba multimeter
Serial #: YPXN1DXL
Calibration:
pH 4.0: (Y) or N pH 7.0: Y or N pH 10.0: Y or N S.C.: (Y) or N
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-6 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
Private-WSW Public-WSW
Depth to Free Product (DFP) (ft.): 2.77 Screened Interval (ft.): 2-12 Total Well Depth (TWD) (ft.): 12
Length of water column (LWC = TWD - DGP) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):

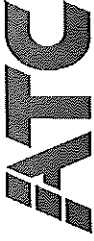
Table with 6 columns: Initial, 1st Vol., 2nd Vol., 3rd Vol., 4th Vol., 5th Vol., Post. Rows include Volume Purged (gallons), Time (military), PH (s.u.), Specific Conductivity (µS/cm), Water Temperature (°C), Turbidity (NTU), Dissolved Oxygen (mg/L).

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

Notes: 4315 Savannah Highway Signature: J. Gray Total Gallons: 6000 (2.66 - 2.96) free product



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



257CK886xx

Site Information

Date: 9/28/2022 Site ID #: 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 County: Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

Well ID: MW-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  
 Screened Interval (ft.): 3-13 Total Well Depth (TWD) (ft.):

MW:  RAW  Other  
 Private-WSW  Public-WSW

Depth to Free Product (DFP) (ft.): Depth to Groundwater (DGW) (ft.): Free Product Thickness (ft.):  
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 7.08 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)							
Time (military)	1509	1517					1517
PH (s.u.)	6.03	5.84					5.84
Specific Conductivity (µS/cm)	572	546					546
Water Temperature (°C)	27.76	27.60					27.60
Turbidity (NTU)	34	26.2					26.2
Dissolved Oxygen (mg/L)	6.82	1.06					7.65
							1.06

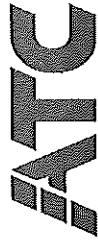
Sampling Data

Sampled By: J. Gray Sampling Time: 1517 Duplicate: Y or N If yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: Total Gallons:



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK866xx

Site Information

Date: 9/28/2022 Site ID #: 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 County: Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

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

Depth to Free Product (DFF) (ft.): Screened Interval (ft.): 3-13 Total Well Depth (TWD) (ft.): 13  
 Length of water column (LWC = TWD - DGW) (ft.): 10.78 Depth to Groundwater (DGW) (ft.): 2.22 Free Product Thickness (ft.):  
 1 casing volume (CV = LWC x C) (gals.): 7.02 5 casing volumes (5 x CV) (gals.):

Purging Data

Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
1320	1320	1320					1329
4.41	4.41	4.47					4.47
2.44	2.44	2.48					2.48
37.55	37.15	36.10					26.90
56.5	56.2	56.0					56.0
1.55	1.57	1.56					1.56

Sampling Data

Sampled By: J. Gray Sampling Time: 1329 Duplicate: Y or N If yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: Total Gallons: 19.0 yellow purple



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9/28/2022 Site ID #: 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 Project Manager: Fred Lyke General Weather Conditions: Ambient Air Temp (°F):

Quality Assurance

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

Well Information

Well ID: MW-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  
 Private-WSW Public-WSW

Depth to Free Product (DFP) (ft.): 2.87 Screened Interval (ft.):  
 Length of water column (LWC = TWD - DGW) (ft.): 1 casing volume (CV = LWC x C) (gals.): 5 casing volumes (5 x CV) (gals.):  
 Free Product Thickness (ft.):  
 Total Well Depth (TWD) (ft.):

Purging Data

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

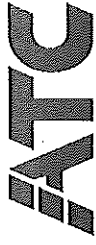
Sampling Data

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

Notes: 4315 Savannah Highway Signature: Total Gallons: 1429  
 Grace Product Present NST  
 Secondary Sampling 8/14/29



Underground Storage Tank Management Division Field Data Information Sheet – Sampling



257CK886xx

Site Information

Date: 9/27/2022 Site ID # 01589 Site Name: Circle K 2720886 Field Personnel: J. Gray  
 County: Project Manager: Fred Lyke General Weather Conditions: *Overcast* Ambient Air Temp (°F): 60°

Quality Assurance

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

Well Information

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

IWM  Private-WSW  Public-WSW  Other  Screened Interval (ft.): 1-6 Total Well Depth (TWD) (ft.): 6

Depth to Free Product (DFP) (ft.): 1.39 Free Product Thickness (ft.):

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

Purging Data

	Initial	1 <sup>st</sup> Vol.	2 <sup>nd</sup> Vol.	3 <sup>rd</sup> Vol.	4 <sup>th</sup> Vol.	5 <sup>th</sup> Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)		1048						1048
PH (s.u.)		5.38						5.38
Specific Conductivity (µS/cm)		408						408
Water Temperature (°C)		24.78						24.78
Turbidity (NTU)		1.39						1.39
Dissolved Oxygen (mg/L)		1.53						1.53

Sampling Data

Sampled By: J. Gray Sampling Time: 1045 Duplicate: Y or N if yes, Duplicate Time:

Notes: 4315 Savannah Highway Signature: *J. Gray* Total Gallons:

*GAWS*

## **APPENDIX B**

### **LABORATORY ANALYTICAL RESULTS**

October 28, 2022

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

RE: Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

Dear Brad Hubbard:

Enclosed are the analytical results for sample(s) received by the laboratory on September 30, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Charlotte

A revised report is being issued on 10/28/22 to update the 8260 reporting list per client request.

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

Sincerely,



Taylor M Cannon  
taylor.cannon@pacelabs.com  
(704)875-9092  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

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### **Pace Analytical Services Charlotte**

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92628467001	01589 MW-1	Water	09/28/22 11:13	09/30/22 08:00
92628467002	01589 MW-2	Water	09/28/22 09:22	09/30/22 08:00
92628467003	01589 MW-3	Water	09/28/22 14:18	09/30/22 08:00
92628467004	01589 MW-4	Water	09/27/22 13:58	09/30/22 08:00
92628467005	01589 MW-5	Water	09/27/22 14:09	09/30/22 08:00
92628467006	01589 MW-7	Water	09/28/22 12:10	09/30/22 08:00
92628467007	01589 MW-8	Water	09/28/22 11:49	09/30/22 08:00
92628467008	01589 MW-9	Water	09/27/22 13:34	09/30/22 08:00
92628467009	01589 MW-10	Water	09/27/22 13:16	09/30/22 08:00
92628467010	01589 MW-11	Water	09/27/22 13:01	09/30/22 08:00
92628467011	01589 MW-12	Water	09/28/22 09:04	09/30/22 08:00
92628467012	01589 MW-13	Water	09/27/22 14:34	09/30/22 08:00
92628467013	01589 MW-14	Water	09/27/22 09:52	09/30/22 08:00
92628467014	01589 MW-15	Water	09/27/22 10:04	09/30/22 08:00
92628467015	01589 MW-16	Water	09/27/22 11:02	09/30/22 08:00
92628467016	01589 MW-17	Water	09/27/22 10:18	09/30/22 08:00
92628467017	01589 MW-18	Water	09/27/22 10:34	09/30/22 08:00
92628467018	01589 MW-19	Water	09/27/22 10:49	09/30/22 08:00
92628467019	01589 MW-20	Water	09/28/22 10:11	09/30/22 08:00
92628467020	01589 MW-21	Water	09/27/22 10:35	09/30/22 08:00
92628467021	01589 MW-22	Water	09/27/22 11:05	09/30/22 08:00
92628467022	01589 MW-23	Water	09/27/22 12:49	09/30/22 08:00
92628467023	01589 MW-24	Water	09/27/22 14:39	09/30/22 08:00
92628467024	01589 MW-25	Water	09/27/22 16:19	09/30/22 08:00
92628467025	01589 MW-27	Water	09/27/22 13:10	09/30/22 08:00
92628467026	01589 MW-28	Water	09/27/22 15:09	09/30/22 08:00
92628467027	01589 MW-29	Water	09/27/22 14:19	09/30/22 08:00
92628467028	01589 MW-30	Water	09/27/22 10:49	09/30/22 08:00
92628467029	01589 MW-31	Water	09/27/22 14:54	09/30/22 08:00
92628467030	01589 MW-32	Water	09/28/22 14:06	09/30/22 08:00
92628467031	01589 MW-33	Water	09/28/22 10:42	09/30/22 08:00
92628467032	01589 MW-34	Water	09/27/22 11:54	09/30/22 08:00
92628467033	01589 MW-35	Water	09/28/22 11:21	09/30/22 08:00
92628467034	01589 MW-36	Water	09/28/22 16:00	09/30/22 08:00
92628467035	01589 MW-38	Water	09/27/22 14:59	09/30/22 08:00
92628467036	01589 DMW-1	Water	09/28/22 11:43	09/30/22 08:00
92628467037	01589 DMW-2	Water	09/27/22 11:21	09/30/22 08:00

### REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92628467038	01589 DMW-3	Water	09/27/22 15:28	09/30/22 08:00
92628467039	01589 DMW-4	Water	09/27/22 11:44	09/30/22 08:00
92628467040	01589 DMW-5	Water	09/27/22 12:39	09/30/22 08:00
92628467041	01589 RW-2	Water	09/28/22 12:15	09/30/22 08:00
92628467042	01589 RW-3	Water	09/28/22 12:43	09/30/22 08:00
92628467043	01589 RW-4	Water	09/28/22 13:56	09/30/22 08:00
92628467044	01589 RW-7	Water	09/28/22 10:11	09/30/22 08:00
92628467045	01589 RW-8	Water	09/28/22 15:17	09/30/22 08:00
92628467046	01589 RW-10	Water	09/28/22 13:29	09/30/22 08:00
92628467047	01589 RW-12	Water	09/28/22 10:45	09/30/22 08:00
92628467048	01589 SW-2	Water	09/28/22 17:40	09/30/22 08:00
92628467049	01589 SW-3	Water	09/28/22 17:29	09/30/22 08:00
92628467050	01589 SW-4	Water	09/28/22 17:08	09/30/22 08:00
92628467051	01589 SW-5	Water	09/28/22 10:20	09/30/22 08:00
92628467052	01589 SW-7	Water	09/28/22 17:25	09/30/22 08:00
92628467053	01589 SW-8	Water	09/28/22 17:39	09/30/22 08:00
92628467054	01589 SW-9	Water	09/28/22 17:59	09/30/22 08:00
92628467055	01559 DUP-1	Water	09/28/22 09:24	09/30/22 08:00
92628467056	01559 DUP-2	Water	09/28/22 10:44	09/30/22 08:00
92628467057	01559 FB-1	Water	09/27/22 16:35	09/30/22 08:00
92628467058	01559 FB-2	Water	09/28/22 16:56	09/30/22 08:00
92628467059	TRIP BLANK	Water	09/28/22 00:00	09/30/22 08:00

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92628467001	01589 MW-1	EPA 8260D	SAS	69	PASI-C
92628467002	01589 MW-2	EPA 8260D	SAS	74	PASI-C
92628467003	01589 MW-3	EPA 8260D	LMB	74	PASI-C
92628467004	01589 MW-4	EPA 8260D	LMB	74	PASI-C
92628467005	01589 MW-5	EPA 8260D	LMB	74	PASI-C
92628467006	01589 MW-7	EPA 8260D	LMB	74	PASI-C
92628467007	01589 MW-8	EPA 8260D	GAW	74	PASI-C
92628467008	01589 MW-9	EPA 8260D	LMB	67	PASI-C
92628467009	01589 MW-10	EPA 8260D	GAW	74	PASI-C
92628467010	01589 MW-11	EPA 8260D	LMB	67	PASI-C
92628467011	01589 MW-12	EPA 8260D	LMB	74	PASI-C
92628467012	01589 MW-13	EPA 8260D	LMB	74	PASI-C
92628467013	01589 MW-14	EPA 8260D	SAS	74	PASI-C
92628467014	01589 MW-15	EPA 8260D	LMB	74	PASI-C
92628467015	01589 MW-16	EPA 8260D	LMB	74	PASI-C
92628467016	01589 MW-17	EPA 8260D	LMB	74	PASI-C
92628467017	01589 MW-18	EPA 8260D	LMB	74	PASI-C
92628467018	01589 MW-19	EPA 8260D	LMB	74	PASI-C
92628467019	01589 MW-20	EPA 8260D	LMB	74	PASI-C
92628467020	01589 MW-21	EPA 8260D	LMB	74	PASI-C
92628467021	01589 MW-22	EPA 8260D	LMB	74	PASI-C
92628467022	01589 MW-23	EPA 8260D	LMB	74	PASI-C
92628467023	01589 MW-24	EPA 8260D	SAS	74	PASI-C
92628467024	01589 MW-25	EPA 8260D	LMB	74	PASI-C
92628467025	01589 MW-27	EPA 8260D	LMB	74	PASI-C
92628467026	01589 MW-28	EPA 8260D	SAS	74	PASI-C
92628467027	01589 MW-29	EPA 8260D	LMB	74	PASI-C
92628467028	01589 MW-30	EPA 8260D	SAS	74	PASI-C
92628467029	01589 MW-31	EPA 8260D	SAS	74	PASI-C
92628467030	01589 MW-32	EPA 8260D	LMB	74	PASI-C
92628467031	01589 MW-33	EPA 8260D	LMB	74	PASI-C
92628467032	01589 MW-34	EPA 8260D	SAS	74	PASI-C
92628467033	01589 MW-35	EPA 8260D	SAS	74	PASI-C
92628467034	01589 MW-36	EPA 8260D	LMB	74	PASI-C
92628467035	01589 MW-38	EPA 8260D	SAS	74	PASI-C
92628467036	01589 DMW-1	EPA 8260D	SAS	74	PASI-C
92628467037	01589 DMW-2	EPA 8260D	SAS	74	PASI-C

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92628467038	01589 DMW-3	EPA 8260D	SAS	74	PASI-C
92628467039	01589 DMW-4	EPA 8260D	SAS	74	PASI-C
92628467040	01589 DMW-5	EPA 8260D	SAS	74	PASI-C
92628467041	01589 RW-2	EPA 8260D	LMB	74	PASI-C
92628467042	01589 RW-3	EPA 8260D	LMB	74	PASI-C
92628467043	01589 RW-4	EPA 8260D	LMB	74	PASI-C
92628467044	01589 RW-7	EPA 8260D	LMB	74	PASI-C
92628467045	01589 RW-8	EPA 8260D	LMB	74	PASI-C
92628467046	01589 RW-10	EPA 8260D	LMB	74	PASI-C
92628467047	01589 RW-12	EPA 8260D	LMB	74	PASI-C
92628467048	01589 SW-2	EPA 8260D	SAS	67	PASI-C
92628467049	01589 SW-3	EPA 8260D	SAS	74	PASI-C
92628467050	01589 SW-4	EPA 8260D	SAS	74	PASI-C
92628467051	01589 SW-5	EPA 8260D	SAS	74	PASI-C
92628467052	01589 SW-7	EPA 8260D	SAS	67	PASI-C
92628467053	01589 SW-8	EPA 8260D	SAS	74	PASI-C
92628467054	01589 SW-9	EPA 8260D	SAS	74	PASI-C
92628467055	01559 DUP-1	EPA 8260D	LMB	74	PASI-C
92628467056	01559 DUP-2	EPA 8260D	LMB	74	PASI-C
92628467057	01559 FB-1	EPA 8260D	LMB	74	PASI-C
92628467058	01559 FB-2	EPA 8260D	LMB	74	PASI-C
92628467059	TRIP BLANK	EPA 8260D	LMB	74	PASI-C

PASI-C = Pace Analytical Services - Charlotte

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-1**      **Lab ID: 92628467001**      Collected: 09/28/22 11:13      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	2500	511	100		10/01/22 10:35	67-64-1	
tert-Amyl Alcohol	<b>9090J</b>	ug/L	10000	3640	100		10/01/22 10:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	266	100		10/01/22 10:35	994-05-8	
Benzene	<b>7010</b>	ug/L	100	34.5	100		10/01/22 10:35	71-43-2	
Bromobenzene	ND	ug/L	100	29.0	100		10/01/22 10:35	108-86-1	
Bromochloromethane	ND	ug/L	100	46.8	100		10/01/22 10:35	74-97-5	
Bromodichloromethane	ND	ug/L	100	30.7	100		10/01/22 10:35	75-27-4	
Bromoform	ND	ug/L	100	34.1	100		10/01/22 10:35	75-25-2	
Bromomethane	ND	ug/L	200	166	100		10/01/22 10:35	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5190	100		10/01/22 10:35	624-95-3	
2-Butanone (MEK)	ND	ug/L	500	396	100		10/01/22 10:35	78-93-3	
tert-Butyl Alcohol	ND	ug/L	10000	2680	100		10/01/22 10:35	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2940	100		10/01/22 10:35	762-75-4	
Carbon tetrachloride	ND	ug/L	100	33.3	100		10/01/22 10:35	56-23-5	
Chlorobenzene	ND	ug/L	100	28.4	100		10/01/22 10:35	108-90-7	M1
Chloroethane	ND	ug/L	100	64.9	100		10/01/22 10:35	75-00-3	
Chloroform	ND	ug/L	100	43.0	100		10/01/22 10:35	67-66-3	
Chloromethane	ND	ug/L	100	54.0	100		10/01/22 10:35	74-87-3	
2-Chlorotoluene	ND	ug/L	100	32.1	100		10/01/22 10:35	95-49-8	
4-Chlorotoluene	ND	ug/L	100	32.4	100		10/01/22 10:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	34.0	100		10/01/22 10:35	96-12-8	
Dibromochloromethane	ND	ug/L	100	35.9	100		10/01/22 10:35	124-48-1	
Dibromomethane	ND	ug/L	100	39.4	100		10/01/22 10:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	100	33.9	100		10/01/22 10:35	95-50-1	M1
1,3-Dichlorobenzene	ND	ug/L	100	34.0	100		10/01/22 10:35	541-73-1	M1
1,4-Dichlorobenzene	ND	ug/L	100	33.3	100		10/01/22 10:35	106-46-7	M1
Dichlorodifluoromethane	ND	ug/L	100	34.6	100		10/01/22 10:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	100	36.7	100		10/01/22 10:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	100	32.2	100		10/01/22 10:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	34.8	100		10/01/22 10:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	100	38.4	100		10/01/22 10:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	100	39.6	100		10/01/22 10:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	100	35.5	100		10/01/22 10:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	100	28.4	100		10/01/22 10:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	100	38.8	100		10/01/22 10:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	100	42.7	100		10/01/22 10:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	100	36.5	100		10/01/22 10:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	100	36.3	100		10/01/22 10:35	10061-02-6	
Diisopropyl ether	ND	ug/L	100	30.8	100		10/01/22 10:35	108-20-3	
Ethanol	<b>19800J</b>	ug/L	20000	7220	100		10/01/22 10:35	64-17-5	
Ethylbenzene	<b>1190</b>	ug/L	100	30.4	100		10/01/22 10:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	324	100		10/01/22 10:35	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	200	153	100		10/01/22 10:35	87-68-3	
2-Hexanone	ND	ug/L	500	47.6	100		10/01/22 10:35	591-78-6	
p-Isopropyltoluene	ND	ug/L	100	41.4	100		10/01/22 10:35	99-87-6	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-1**      **Lab ID: 92628467001**      Collected: 09/28/22 11:13      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Methylene Chloride	ND	ug/L	500	195	100		10/01/22 10:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	500	271	100		10/01/22 10:35	108-10-1	
Methyl-tert-butyl ether	<b>495</b>	ug/L	100	42.2	100		10/01/22 10:35	1634-04-4	
Naphthalene	<b>166</b>	ug/L	100	64.5	100		10/01/22 10:35	91-20-3	
Styrene	ND	ug/L	100	29.2	100		10/01/22 10:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	100	31.1	100		10/01/22 10:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	100	22.5	100		10/01/22 10:35	79-34-5	
Tetrachloroethene	ND	ug/L	100	29.2	100		10/01/22 10:35	127-18-4	
Toluene	<b>17600</b>	ug/L	100	48.5	100		10/01/22 10:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	80.6	100		10/01/22 10:35	87-61-6	M1
1,2,4-Trichlorobenzene	ND	ug/L	100	63.9	100		10/01/22 10:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	100	33.2	100		10/01/22 10:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	100	32.5	100		10/01/22 10:35	79-00-5	
Trichloroethene	ND	ug/L	100	38.3	100		10/01/22 10:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	29.8	100		10/01/22 10:35	75-69-4	M1
1,2,3-Trichloropropane	ND	ug/L	100	26.1	100		10/01/22 10:35	96-18-4	
Vinyl acetate	ND	ug/L	200	131	100		10/01/22 10:35	108-05-4	
Vinyl chloride	ND	ug/L	100	38.6	100		10/01/22 10:35	75-01-4	
Xylene (Total)	<b>5390</b>	ug/L	100	33.8	100		10/01/22 10:35	1330-20-7	
m&p-Xylene	<b>3620</b>	ug/L	200	70.9	100		10/01/22 10:35	179601-23-1	
o-Xylene	<b>1770</b>	ug/L	100	33.8	100		10/01/22 10:35	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		100		10/01/22 10:35	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		100		10/01/22 10:35	17060-07-0	
Toluene-d8 (S)	98	%	70-130		100		10/01/22 10:35	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-2**      **Lab ID: 92628467002**      Collected: 09/28/22 09:22      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	3120	639	125		10/01/22 10:54	67-64-1	
Acrolein	ND	ug/L	1250	1060	125		10/01/22 10:54	107-02-8	
Acrylonitrile	ND	ug/L	1250	231	125		10/01/22 10:54	107-13-1	
tert-Amyl Alcohol	<b>16200</b>	ug/L	12500	4550	125		10/01/22 10:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	332	125		10/01/22 10:54	994-05-8	
Benzene	<b>7660</b>	ug/L	125	43.1	125		10/01/22 10:54	71-43-2	
Bromobenzene	ND	ug/L	125	36.2	125		10/01/22 10:54	108-86-1	
Bromochloromethane	ND	ug/L	125	58.5	125		10/01/22 10:54	74-97-5	
Bromodichloromethane	ND	ug/L	125	38.4	125		10/01/22 10:54	75-27-4	
Bromoform	ND	ug/L	125	42.6	125		10/01/22 10:54	75-25-2	
Bromomethane	ND	ug/L	250	208	125		10/01/22 10:54	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6490	125		10/01/22 10:54	624-95-3	
2-Butanone (MEK)	ND	ug/L	625	495	125		10/01/22 10:54	78-93-3	
tert-Butyl Alcohol	ND	ug/L	12500	3350	125		10/01/22 10:54	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3680	125		10/01/22 10:54	762-75-4	
Carbon tetrachloride	ND	ug/L	125	41.6	125		10/01/22 10:54	56-23-5	
Chlorobenzene	ND	ug/L	125	35.5	125		10/01/22 10:54	108-90-7	
Chloroethane	ND	ug/L	125	81.1	125		10/01/22 10:54	75-00-3	
Chloroform	ND	ug/L	125	53.8	125		10/01/22 10:54	67-66-3	
Chloromethane	ND	ug/L	125	67.5	125		10/01/22 10:54	74-87-3	
2-Chlorotoluene	ND	ug/L	125	40.1	125		10/01/22 10:54	95-49-8	
4-Chlorotoluene	ND	ug/L	125	40.5	125		10/01/22 10:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	42.5	125		10/01/22 10:54	96-12-8	
Dibromochloromethane	ND	ug/L	125	44.9	125		10/01/22 10:54	124-48-1	
Dibromomethane	ND	ug/L	125	49.2	125		10/01/22 10:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	125	42.4	125		10/01/22 10:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	125	42.5	125		10/01/22 10:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	125	41.6	125		10/01/22 10:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	125	43.2	125		10/01/22 10:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	125	45.9	125		10/01/22 10:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	125	40.2	125		10/01/22 10:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	125	43.5	125		10/01/22 10:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	125	48.0	125		10/01/22 10:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	125	49.5	125		10/01/22 10:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	125	44.4	125		10/01/22 10:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	125	35.5	125		10/01/22 10:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	125	48.5	125		10/01/22 10:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	125	53.4	125		10/01/22 10:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	125	45.6	125		10/01/22 10:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	125	45.4	125		10/01/22 10:54	10061-02-6	
Diisopropyl ether	ND	ug/L	125	38.5	125		10/01/22 10:54	108-20-3	
Ethanol	ND	ug/L	25000	9020	125		10/01/22 10:54	64-17-5	
Ethylbenzene	<b>1150</b>	ug/L	125	38.0	125		10/01/22 10:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	405	125		10/01/22 10:54	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	250	191	125		10/01/22 10:54	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-2**      **Lab ID: 92628467002**      Collected: 09/28/22 09:22      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	125	91.6	125		10/01/22 10:54	110-54-3	
2-Hexanone	ND	ug/L	625	59.5	125		10/01/22 10:54	591-78-6	
p-Isopropyltoluene	ND	ug/L	125	51.8	125		10/01/22 10:54	99-87-6	
Methylene Chloride	ND	ug/L	625	244	125		10/01/22 10:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	625	339	125		10/01/22 10:54	108-10-1	
Methyl-tert-butyl ether	<b>394</b>	ug/L	125	52.8	125		10/01/22 10:54	1634-04-4	
Naphthalene	<b>175</b>	ug/L	125	80.6	125		10/01/22 10:54	91-20-3	
Styrene	ND	ug/L	125	36.5	125		10/01/22 10:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	125	38.9	125		10/01/22 10:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	125	28.1	125		10/01/22 10:54	79-34-5	
Tetrachloroethene	ND	ug/L	125	36.5	125		10/01/22 10:54	127-18-4	
Toluene	<b>16000</b>	ug/L	125	60.6	125		10/01/22 10:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	125	101	125		10/01/22 10:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	125	79.9	125		10/01/22 10:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	125	41.5	125		10/01/22 10:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	125	40.6	125		10/01/22 10:54	79-00-5	
Trichloroethene	ND	ug/L	125	47.9	125		10/01/22 10:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	125	37.2	125		10/01/22 10:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	125	32.6	125		10/01/22 10:54	96-18-4	
1,2,4-Trimethylbenzene	<b>729</b>	ug/L	125	61.9	125		10/01/22 10:54	95-63-6	
1,3,5-Trimethylbenzene	<b>240</b>	ug/L	125	41.5	125		10/01/22 10:54	108-67-8	
Vinyl acetate	ND	ug/L	250	164	125		10/01/22 10:54	108-05-4	
Vinyl chloride	ND	ug/L	125	48.2	125		10/01/22 10:54	75-01-4	
Xylene (Total)	<b>5490</b>	ug/L	125	42.2	125		10/01/22 10:54	1330-20-7	
m&p-Xylene	<b>3370</b>	ug/L	250	88.6	125		10/01/22 10:54	179601-23-1	
o-Xylene	<b>2120</b>	ug/L	125	42.2	125		10/01/22 10:54	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		125		10/01/22 10:54	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		125		10/01/22 10:54	17060-07-0	
Toluene-d8 (S)	98	%	70-130		125		10/01/22 10:54	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-3**      **Lab ID: 92628467003**      Collected: 09/28/22 14:18      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 03:38	67-64-1	v1
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 03:38	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 03:38	107-13-1	
tert-Amyl Alcohol	<b>215</b>	ug/L	100	36.4	1		10/01/22 03:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 03:38	994-05-8	
Benzene	<b>104</b>	ug/L	1.0	0.34	1		10/01/22 03:38	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 03:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 03:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 03:38	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 03:38	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 03:38	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 03:38	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 03:38	78-93-3	
tert-Butyl Alcohol	<b>31.7J</b>	ug/L	100	26.8	1		10/01/22 03:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 03:38	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 03:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 03:38	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 03:38	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 03:38	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 03:38	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 03:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 03:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 03:38	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 03:38	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 03:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 03:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 03:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 03:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 03:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 03:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 03:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 03:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 03:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 03:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 03:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 03:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 03:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 03:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 03:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 03:38	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 03:38	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 03:38	64-17-5	
Ethylbenzene	<b>4.6</b>	ug/L	1.0	0.30	1		10/01/22 03:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 03:38	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 03:38	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-3**      **Lab ID: 92628467003**      Collected: 09/28/22 14:18      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	5.4	ug/L	1.0	0.73	1		10/01/22 03:38	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 03:38	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 03:38	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 03:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 03:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 03:38	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 03:38	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 03:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 03:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 03:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 03:38	127-18-4	
Toluene	1.4	ug/L	1.0	0.48	1		10/01/22 03:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 03:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 03:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 03:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 03:38	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 03:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 03:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 03:38	96-18-4	
1,2,4-Trimethylbenzene	2.0	ug/L	1.0	0.50	1		10/01/22 03:38	95-63-6	
1,3,5-Trimethylbenzene	1.9	ug/L	1.0	0.33	1		10/01/22 03:38	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 03:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 03:38	75-01-4	
Xylene (Total)	13.9	ug/L	1.0	0.34	1		10/01/22 03:38	1330-20-7	
m&p-Xylene	8.4	ug/L	2.0	0.71	1		10/01/22 03:38	179601-23-1	
o-Xylene	5.5	ug/L	1.0	0.34	1		10/01/22 03:38	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 03:38	460-00-4	
1,2-Dichloroethane-d4 (S)	119	%	70-130		1		10/01/22 03:38	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		10/01/22 03:38	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-4**      **Lab ID: 92628467004**      Collected: 09/27/22 13:58      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	141	ug/L	25.0	5.1	1		10/01/22 03:57	67-64-1	v1
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 03:57	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 03:57	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 03:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 03:57	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 03:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 03:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 03:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 03:57	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 03:57	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 03:57	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 03:57	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 03:57	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 03:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 03:57	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 03:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 03:57	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 03:57	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 03:57	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 03:57	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 03:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 03:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 03:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 03:57	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 03:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 03:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 03:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 03:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 03:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 03:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 03:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 03:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 03:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 03:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 03:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 03:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 03:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 03:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 03:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 03:57	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 03:57	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 03:57	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 03:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 03:57	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 03:57	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-4**      **Lab ID: 92628467004**      Collected: 09/27/22 13:58      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 03:57	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 03:57	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 03:57	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 03:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 03:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 03:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 03:57	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 03:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 03:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 03:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 03:57	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 03:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 03:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 03:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 03:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 03:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 03:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 03:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 03:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 03:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 03:57	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 03:57	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 03:57	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 03:57	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 03:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 03:57	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 03:57	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		10/01/22 03:57	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		10/01/22 03:57	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-5**      **Lab ID: 92628467005**      Collected: 09/27/22 14:09      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>			Analytical Method: EPA 8260D Pace Analytical Services - Charlotte						
Acetone	113	ug/L	25.0	5.1	1		10/01/22 04:15	67-64-1	v1
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 04:15	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 04:15	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 04:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 04:15	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 04:15	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 04:15	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 04:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 04:15	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 04:15	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 04:15	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 04:15	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 04:15	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 04:15	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 04:15	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 04:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 04:15	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 04:15	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 04:15	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 04:15	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 04:15	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 04:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 04:15	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 04:15	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 04:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 04:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 04:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 04:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 04:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 04:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 04:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 04:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 04:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 04:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 04:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 04:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 04:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 04:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 04:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 04:15	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 04:15	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 04:15	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 04:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 04:15	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 04:15	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-5**      **Lab ID: 92628467005**      Collected: 09/27/22 14:09      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 04:15	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 04:15	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 04:15	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 04:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 04:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 04:15	1634-04-4	
Naphthalene	<b>3.5</b>	ug/L	1.0	0.64	1		10/01/22 04:15	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 04:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 04:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 04:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 04:15	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 04:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 04:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 04:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 04:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 04:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 04:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 04:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 04:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 04:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 04:15	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 04:15	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 04:15	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 04:15	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 04:15	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 04:15	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 04:15	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1		10/01/22 04:15	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		10/01/22 04:15	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-7**      **Lab ID: 92628467006**      Collected: 09/28/22 12:10      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	209	ug/L	125	25.6	5		10/03/22 01:12	67-64-1	
Acrolein	ND	ug/L	50.0	42.3	5		10/03/22 01:12	107-02-8	
Acrylonitrile	ND	ug/L	50.0	9.2	5		10/03/22 01:12	107-13-1	
tert-Amyl Alcohol	1580	ug/L	500	182	5		10/03/22 01:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	13.3	5		10/03/22 01:12	994-05-8	
Benzene	877	ug/L	5.0	1.7	5		10/03/22 01:12	71-43-2	
Bromobenzene	ND	ug/L	5.0	1.4	5		10/03/22 01:12	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.3	5		10/03/22 01:12	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1.5	5		10/03/22 01:12	75-27-4	
Bromoform	ND	ug/L	5.0	1.7	5		10/03/22 01:12	75-25-2	
Bromomethane	ND	ug/L	10.0	8.3	5		10/03/22 01:12	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	500	260	5		10/03/22 01:12	624-95-3	
2-Butanone (MEK)	ND	ug/L	25.0	19.8	5		10/03/22 01:12	78-93-3	
tert-Butyl Alcohol	ND	ug/L	500	134	5		10/03/22 01:12	75-65-0	
tert-Butyl Formate	ND	ug/L	250	147	5		10/03/22 01:12	762-75-4	
Carbon tetrachloride	ND	ug/L	5.0	1.7	5		10/03/22 01:12	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1.4	5		10/03/22 01:12	108-90-7	
Chloroethane	ND	ug/L	5.0	3.2	5		10/03/22 01:12	75-00-3	v2
Chloroform	ND	ug/L	5.0	2.2	5		10/03/22 01:12	67-66-3	
Chloromethane	ND	ug/L	5.0	2.7	5		10/03/22 01:12	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1.6	5		10/03/22 01:12	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1.6	5		10/03/22 01:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1.7	5		10/03/22 01:12	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1.8	5		10/03/22 01:12	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.0	5		10/03/22 01:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1.7	5		10/03/22 01:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1.7	5		10/03/22 01:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1.7	5		10/03/22 01:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1.7	5		10/03/22 01:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1.8	5		10/03/22 01:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		10/03/22 01:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1.7	5		10/03/22 01:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1.9	5		10/03/22 01:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.0	5		10/03/22 01:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1.8	5		10/03/22 01:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1.4	5		10/03/22 01:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1.9	5		10/03/22 01:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	2.1	5		10/03/22 01:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		10/03/22 01:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		10/03/22 01:12	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	1.5	5		10/03/22 01:12	108-20-3	
Ethanol	ND	ug/L	1000	361	5		10/03/22 01:12	64-17-5	
Ethylbenzene	375	ug/L	5.0	1.5	5		10/03/22 01:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	16.2	5		10/03/22 01:12	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	7.6	5		10/03/22 01:12	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-7**      **Lab ID: 92628467006**      Collected: 09/28/22 12:10      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	5.0	3.7	5		10/03/22 01:12	110-54-3	
2-Hexanone	ND	ug/L	25.0	2.4	5		10/03/22 01:12	591-78-6	
p-Isopropyltoluene	ND	ug/L	5.0	2.1	5		10/03/22 01:12	99-87-6	
Methylene Chloride	ND	ug/L	25.0	9.8	5		10/03/22 01:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	13.6	5		10/03/22 01:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.1	5		10/03/22 01:12	1634-04-4	
Naphthalene	<b>46.5</b>	ug/L	5.0	3.2	5		10/03/22 01:12	91-20-3	
Styrene	ND	ug/L	5.0	1.5	5		10/03/22 01:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1.6	5		10/03/22 01:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	5		10/03/22 01:12	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1.5	5		10/03/22 01:12	127-18-4	
Toluene	<b>123</b>	ug/L	5.0	2.4	5		10/03/22 01:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	4.0	5		10/03/22 01:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	3.2	5		10/03/22 01:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1.7	5		10/03/22 01:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1.6	5		10/03/22 01:12	79-00-5	
Trichloroethene	ND	ug/L	5.0	1.9	5		10/03/22 01:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1.5	5		10/03/22 01:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1.3	5		10/03/22 01:12	96-18-4	
1,2,4-Trimethylbenzene	<b>174</b>	ug/L	5.0	2.5	5		10/03/22 01:12	95-63-6	
1,3,5-Trimethylbenzene	<b>70.5</b>	ug/L	5.0	1.7	5		10/03/22 01:12	108-67-8	
Vinyl acetate	ND	ug/L	10.0	6.6	5		10/03/22 01:12	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1.9	5		10/03/22 01:12	75-01-4	
Xylene (Total)	<b>598</b>	ug/L	5.0	1.7	5		10/03/22 01:12	1330-20-7	
m&p-Xylene	<b>237</b>	ug/L	10.0	3.5	5		10/03/22 01:12	179601-23-1	
o-Xylene	<b>362</b>	ug/L	5.0	1.7	5		10/03/22 01:12	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		5		10/03/22 01:12	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		5		10/03/22 01:12	17060-07-0	
Toluene-d8 (S)	101	%	70-130		5		10/03/22 01:12	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-8**      **Lab ID: 92628467007**      Collected: 09/28/22 11:49      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	477	ug/L	50.0	10.2	2		10/05/22 00:18	67-64-1	
Acrolein	ND	ug/L	20.0	16.9	2		10/05/22 00:18	107-02-8	
Acrylonitrile	ND	ug/L	20.0	3.7	2		10/05/22 00:18	107-13-1	
tert-Amyl Alcohol	ND	ug/L	200	72.8	2		10/05/22 00:18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	5.3	2		10/05/22 00:18	994-05-8	
Benzene	ND	ug/L	2.0	0.69	2		10/05/22 00:18	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.58	2		10/05/22 00:18	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.94	2		10/05/22 00:18	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.61	2		10/05/22 00:18	75-27-4	
Bromoform	ND	ug/L	2.0	0.68	2		10/05/22 00:18	75-25-2	
Bromomethane	ND	ug/L	4.0	3.3	2		10/05/22 00:18	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	104	2		10/05/22 00:18	624-95-3	
2-Butanone (MEK)	ND	ug/L	10.0	7.9	2		10/05/22 00:18	78-93-3	
tert-Butyl Alcohol	ND	ug/L	200	53.6	2		10/05/22 00:18	75-65-0	
tert-Butyl Formate	ND	ug/L	100	58.8	2		10/05/22 00:18	762-75-4	
Carbon tetrachloride	ND	ug/L	2.0	0.67	2		10/05/22 00:18	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.57	2		10/05/22 00:18	108-90-7	
Chloroethane	ND	ug/L	2.0	1.3	2		10/05/22 00:18	75-00-3	
Chloroform	0.86J	ug/L	2.0	0.86	2		10/05/22 00:18	67-66-3	C9
Chloromethane	ND	ug/L	2.0	1.1	2		10/05/22 00:18	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.64	2		10/05/22 00:18	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.65	2		10/05/22 00:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	0.68	2		10/05/22 00:18	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.72	2		10/05/22 00:18	124-48-1	
Dibromomethane	ND	ug/L	2.0	0.79	2		10/05/22 00:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.68	2		10/05/22 00:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.68	2		10/05/22 00:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.67	2		10/05/22 00:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.69	2		10/05/22 00:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.73	2		10/05/22 00:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		10/05/22 00:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	0.70	2		10/05/22 00:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	0.77	2		10/05/22 00:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	0.79	2		10/05/22 00:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.71	2		10/05/22 00:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.57	2		10/05/22 00:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	0.78	2		10/05/22 00:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.85	2		10/05/22 00:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		10/05/22 00:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		10/05/22 00:18	10061-02-6	
Diisopropyl ether	ND	ug/L	2.0	0.62	2		10/05/22 00:18	108-20-3	
Ethanol	ND	ug/L	400	144	2		10/05/22 00:18	64-17-5	
Ethylbenzene	ND	ug/L	2.0	0.61	2		10/05/22 00:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	6.5	2		10/05/22 00:18	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	3.1	2		10/05/22 00:18	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-8**      **Lab ID: 92628467007**      Collected: 09/28/22 11:49      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	2.0	1.5	2		10/05/22 00:18	110-54-3	
2-Hexanone	ND	ug/L	10.0	0.95	2		10/05/22 00:18	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.0	0.83	2		10/05/22 00:18	99-87-6	
Methylene Chloride	<b>5.3J</b>	ug/L	10.0	3.9	2		10/05/22 00:18	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	5.4	2		10/05/22 00:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		10/05/22 00:18	1634-04-4	
Naphthalene	ND	ug/L	2.0	1.3	2		10/05/22 00:18	91-20-3	
Styrene	ND	ug/L	2.0	0.58	2		10/05/22 00:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.62	2		10/05/22 00:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.45	2		10/05/22 00:18	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	0.58	2		10/05/22 00:18	127-18-4	
Toluene	ND	ug/L	2.0	0.97	2		10/05/22 00:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.6	2		10/05/22 00:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.3	2		10/05/22 00:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	0.66	2		10/05/22 00:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.65	2		10/05/22 00:18	79-00-5	
Trichloroethene	ND	ug/L	2.0	0.77	2		10/05/22 00:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.60	2		10/05/22 00:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	0.52	2		10/05/22 00:18	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	0.99	2		10/05/22 00:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	0.66	2		10/05/22 00:18	108-67-8	
Vinyl acetate	ND	ug/L	4.0	2.6	2		10/05/22 00:18	108-05-4	
Vinyl chloride	ND	ug/L	2.0	0.77	2		10/05/22 00:18	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.68	2		10/05/22 00:18	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	1.4	2		10/05/22 00:18	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.68	2		10/05/22 00:18	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		2		10/05/22 00:18	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		2		10/05/22 00:18	17060-07-0	
Toluene-d8 (S)	100	%	70-130		2		10/05/22 00:18	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-9**      **Lab ID: 92628467008**      Collected: 09/27/22 13:34      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	315	ug/L	25.0	5.1	1		10/01/22 04:51	67-64-1	v1
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 04:51	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 04:51	107-13-1	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 04:51	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 04:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 04:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 04:51	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 04:51	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 04:51	74-83-9	v2
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 04:51	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 04:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 04:51	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 04:51	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 04:51	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 04:51	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 04:51	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 04:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 04:51	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 04:51	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 04:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 04:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 04:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 04:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 04:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 04:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 04:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 04:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 04:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 04:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 04:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 04:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 04:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 04:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 04:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 04:51	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 04:51	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 04:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 04:51	87-68-3	
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 04:51	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 04:51	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 04:51	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 04:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 04:51	108-10-1	
Methyl-tert-butyl ether	1.6	ug/L	1.0	0.42	1		10/01/22 04:51	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 04:51	91-20-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-9**      **Lab ID: 92628467008**      Collected: 09/27/22 13:34      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 04:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 04:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 04:51	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 04:51	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 04:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 04:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 04:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 04:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 04:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 04:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 04:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 04:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 04:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 04:51	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 04:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 04:51	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 04:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 04:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 04:51	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 04:51	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	70-130		1		10/01/22 04:51	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		10/01/22 04:51	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-10**      **Lab ID: 92628467009**      Collected: 09/27/22 13:16      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	222	ug/L	25.0	5.1	1		10/04/22 23:41	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/04/22 23:41	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/04/22 23:41	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/04/22 23:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/04/22 23:41	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/04/22 23:41	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/04/22 23:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/04/22 23:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/04/22 23:41	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/04/22 23:41	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/04/22 23:41	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/04/22 23:41	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/04/22 23:41	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/04/22 23:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/04/22 23:41	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/04/22 23:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/04/22 23:41	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/04/22 23:41	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/04/22 23:41	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/04/22 23:41	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/04/22 23:41	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/04/22 23:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/04/22 23:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/04/22 23:41	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/04/22 23:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/04/22 23:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/04/22 23:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/04/22 23:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/04/22 23:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/04/22 23:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/04/22 23:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/04/22 23:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/04/22 23:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/04/22 23:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/04/22 23:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/04/22 23:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/04/22 23:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/04/22 23:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/04/22 23:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/04/22 23:41	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/04/22 23:41	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/04/22 23:41	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/04/22 23:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/04/22 23:41	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/04/22 23:41	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-10**      **Lab ID: 92628467009**      Collected: 09/27/22 13:16      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/04/22 23:41	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/04/22 23:41	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/04/22 23:41	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/04/22 23:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/04/22 23:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/04/22 23:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/04/22 23:41	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/04/22 23:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/04/22 23:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/04/22 23:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/04/22 23:41	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/04/22 23:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/04/22 23:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/04/22 23:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/04/22 23:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/04/22 23:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/04/22 23:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/04/22 23:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/04/22 23:41	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/04/22 23:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/04/22 23:41	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/04/22 23:41	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/04/22 23:41	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/04/22 23:41	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/04/22 23:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/04/22 23:41	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/04/22 23:41	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		10/04/22 23:41	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/04/22 23:41	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-11**      **Lab ID: 92628467010**      Collected: 09/27/22 13:01      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	56.9	ug/L	25.0	5.1	1		10/01/22 05:27	67-64-1	v1
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 05:27	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 05:27	107-13-1	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 05:27	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 05:27	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 05:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 05:27	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 05:27	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 05:27	74-83-9	v2,v3
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 05:27	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 05:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 05:27	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 05:27	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 05:27	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 05:27	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 05:27	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 05:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 05:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 05:27	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 05:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 05:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 05:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 05:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 05:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 05:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 05:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 05:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 05:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 05:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 05:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 05:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 05:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 05:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 05:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 05:27	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 05:27	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 05:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 05:27	87-68-3	
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 05:27	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 05:27	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 05:27	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 05:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 05:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 05:27	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 05:27	91-20-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-11**      **Lab ID: 92628467010**      Collected: 09/27/22 13:01      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 05:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 05:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 05:27	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 05:27	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 05:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 05:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 05:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 05:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 05:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 05:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 05:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 05:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 05:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 05:27	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 05:27	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 05:27	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 05:27	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 05:27	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 05:27	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/01/22 05:27	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		10/01/22 05:27	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		10/01/22 05:27	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-12**      **Lab ID: 92628467011**      Collected: 09/28/22 09:04      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	125	25.6	5		10/05/22 08:38	67-64-1	
Acrolein	ND	ug/L	50.0	42.3	5		10/05/22 08:38	107-02-8	
Acrylonitrile	ND	ug/L	50.0	9.2	5		10/05/22 08:38	107-13-1	
tert-Amyl Alcohol	<b>274J</b>	ug/L	500	182	5		10/05/22 08:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	13.3	5		10/05/22 08:38	994-05-8	
Benzene	<b>846</b>	ug/L	5.0	1.7	5		10/05/22 08:38	71-43-2	
Bromobenzene	ND	ug/L	5.0	1.4	5		10/05/22 08:38	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.3	5		10/05/22 08:38	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1.5	5		10/05/22 08:38	75-27-4	
Bromoform	ND	ug/L	5.0	1.7	5		10/05/22 08:38	75-25-2	
Bromomethane	ND	ug/L	10.0	8.3	5		10/05/22 08:38	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	500	260	5		10/05/22 08:38	624-95-3	
2-Butanone (MEK)	ND	ug/L	25.0	19.8	5		10/05/22 08:38	78-93-3	
tert-Butyl Alcohol	ND	ug/L	500	134	5		10/05/22 08:38	75-65-0	
tert-Butyl Formate	ND	ug/L	250	147	5		10/05/22 08:38	762-75-4	
Carbon tetrachloride	ND	ug/L	5.0	1.7	5		10/05/22 08:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1.4	5		10/05/22 08:38	108-90-7	
Chloroethane	ND	ug/L	5.0	3.2	5		10/05/22 08:38	75-00-3	v2
Chloroform	ND	ug/L	5.0	2.2	5		10/05/22 08:38	67-66-3	
Chloromethane	ND	ug/L	5.0	2.7	5		10/05/22 08:38	74-87-3	v2
2-Chlorotoluene	ND	ug/L	5.0	1.6	5		10/05/22 08:38	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1.6	5		10/05/22 08:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1.7	5		10/05/22 08:38	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1.8	5		10/05/22 08:38	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.0	5		10/05/22 08:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1.7	5		10/05/22 08:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1.7	5		10/05/22 08:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1.7	5		10/05/22 08:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1.7	5		10/05/22 08:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1.8	5		10/05/22 08:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		10/05/22 08:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1.7	5		10/05/22 08:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1.9	5		10/05/22 08:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.0	5		10/05/22 08:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1.8	5		10/05/22 08:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1.4	5		10/05/22 08:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1.9	5		10/05/22 08:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	2.1	5		10/05/22 08:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		10/05/22 08:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		10/05/22 08:38	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	1.5	5		10/05/22 08:38	108-20-3	
Ethanol	ND	ug/L	1000	361	5		10/05/22 08:38	64-17-5	
Ethylbenzene	<b>149</b>	ug/L	5.0	1.5	5		10/05/22 08:38	100-41-4	
Ethyl-tert-butyl ether	<b>26.7J</b>	ug/L	50.0	16.2	5		10/05/22 08:38	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	7.6	5		10/05/22 08:38	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-12**      **Lab ID: 92628467011**      Collected: 09/28/22 09:04      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	5.0	3.7	5		10/05/22 08:38	110-54-3	
2-Hexanone	ND	ug/L	25.0	2.4	5		10/05/22 08:38	591-78-6	
p-Isopropyltoluene	ND	ug/L	5.0	2.1	5		10/05/22 08:38	99-87-6	
Methylene Chloride	ND	ug/L	25.0	9.8	5		10/05/22 08:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	13.6	5		10/05/22 08:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	2.1	5		10/05/22 08:38	1634-04-4	
Naphthalene	<b>5.5</b>	ug/L	5.0	3.2	5		10/05/22 08:38	91-20-3	
Styrene	ND	ug/L	5.0	1.5	5		10/05/22 08:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1.6	5		10/05/22 08:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	5		10/05/22 08:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1.5	5		10/05/22 08:38	127-18-4	
Toluene	<b>9.6</b>	ug/L	5.0	2.4	5		10/05/22 08:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	4.0	5		10/05/22 08:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	3.2	5		10/05/22 08:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1.7	5		10/05/22 08:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1.6	5		10/05/22 08:38	79-00-5	
Trichloroethene	ND	ug/L	5.0	1.9	5		10/05/22 08:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1.5	5		10/05/22 08:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1.3	5		10/05/22 08:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	5		10/05/22 08:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1.7	5		10/05/22 08:38	108-67-8	
Vinyl acetate	ND	ug/L	10.0	6.6	5		10/05/22 08:38	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1.9	5		10/05/22 08:38	75-01-4	
Xylene (Total)	<b>8.1</b>	ug/L	5.0	1.7	5		10/05/22 08:38	1330-20-7	
m&p-Xylene	<b>6.0J</b>	ug/L	10.0	3.5	5		10/05/22 08:38	179601-23-1	
o-Xylene	<b>2.1J</b>	ug/L	5.0	1.7	5		10/05/22 08:38	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		5		10/05/22 08:38	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		5		10/05/22 08:38	17060-07-0	
Toluene-d8 (S)	97	%	70-130		5		10/05/22 08:38	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-13**      **Lab ID: 92628467012**      Collected: 09/27/22 14:34      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	250	51.1	10		10/04/22 01:25	67-64-1	
Acrolein	ND	ug/L	100	84.6	10		10/04/22 01:25	107-02-8	
Acrylonitrile	ND	ug/L	100	18.5	10		10/04/22 01:25	107-13-1	
tert-Amyl Alcohol	ND	ug/L	1000	364	10		10/04/22 01:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	26.6	10		10/04/22 01:25	994-05-8	
Benzene	<b>63.0</b>	ug/L	10.0	3.4	10		10/04/22 01:25	71-43-2	
Bromobenzene	ND	ug/L	10.0	2.9	10		10/04/22 01:25	108-86-1	
Bromochloromethane	ND	ug/L	10.0	4.7	10		10/04/22 01:25	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	3.1	10		10/04/22 01:25	75-27-4	
Bromoform	ND	ug/L	10.0	3.4	10		10/04/22 01:25	75-25-2	
Bromomethane	ND	ug/L	20.0	16.6	10		10/04/22 01:25	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	519	10		10/04/22 01:25	624-95-3	
2-Butanone (MEK)	ND	ug/L	50.0	39.6	10		10/04/22 01:25	78-93-3	
tert-Butyl Alcohol	ND	ug/L	1000	268	10		10/04/22 01:25	75-65-0	v2
tert-Butyl Formate	ND	ug/L	500	294	10		10/04/22 01:25	762-75-4	v2
Carbon tetrachloride	ND	ug/L	10.0	3.3	10		10/04/22 01:25	56-23-5	
Chlorobenzene	ND	ug/L	10.0	2.8	10		10/04/22 01:25	108-90-7	
Chloroethane	ND	ug/L	10.0	6.5	10		10/04/22 01:25	75-00-3	
Chloroform	ND	ug/L	10.0	4.3	10		10/04/22 01:25	67-66-3	
Chloromethane	ND	ug/L	10.0	5.4	10		10/04/22 01:25	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	3.2	10		10/04/22 01:25	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	3.2	10		10/04/22 01:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	3.4	10		10/04/22 01:25	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	3.6	10		10/04/22 01:25	124-48-1	
Dibromomethane	ND	ug/L	10.0	3.9	10		10/04/22 01:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	3.4	10		10/04/22 01:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	3.4	10		10/04/22 01:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	3.3	10		10/04/22 01:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	3.5	10		10/04/22 01:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	3.7	10		10/04/22 01:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	3.2	10		10/04/22 01:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	3.5	10		10/04/22 01:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	3.8	10		10/04/22 01:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	4.0	10		10/04/22 01:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	3.6	10		10/04/22 01:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	2.8	10		10/04/22 01:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	3.9	10		10/04/22 01:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	4.3	10		10/04/22 01:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10.0	3.6	10		10/04/22 01:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10.0	3.6	10		10/04/22 01:25	10061-02-6	
Diisopropyl ether	ND	ug/L	10.0	3.1	10		10/04/22 01:25	108-20-3	
Ethanol	ND	ug/L	2000	722	10		10/04/22 01:25	64-17-5	
Ethylbenzene	<b>1040</b>	ug/L	10.0	3.0	10		10/04/22 01:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	32.4	10		10/04/22 01:25	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	20.0	15.3	10		10/04/22 01:25	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-13**      **Lab ID: 92628467012**      Collected: 09/27/22 14:34      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	10.0	7.3	10		10/04/22 01:25	110-54-3	
2-Hexanone	ND	ug/L	50.0	4.8	10		10/04/22 01:25	591-78-6	
p-Isopropyltoluene	ND	ug/L	10.0	4.1	10		10/04/22 01:25	99-87-6	
Methylene Chloride	ND	ug/L	50.0	19.5	10		10/04/22 01:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	27.1	10		10/04/22 01:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	4.2	10		10/04/22 01:25	1634-04-4	
Naphthalene	<b>491</b>	ug/L	10.0	6.4	10		10/04/22 01:25	91-20-3	
Styrene	ND	ug/L	10.0	2.9	10		10/04/22 01:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	3.1	10		10/04/22 01:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	2.2	10		10/04/22 01:25	79-34-5	
Tetrachloroethene	ND	ug/L	10.0	2.9	10		10/04/22 01:25	127-18-4	
Toluene	<b>18.8</b>	ug/L	10.0	4.8	10		10/04/22 01:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	8.1	10		10/04/22 01:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	6.4	10		10/04/22 01:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	3.3	10		10/04/22 01:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	3.2	10		10/04/22 01:25	79-00-5	
Trichloroethene	ND	ug/L	10.0	3.8	10		10/04/22 01:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	3.0	10		10/04/22 01:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	2.6	10		10/04/22 01:25	96-18-4	
1,2,4-Trimethylbenzene	<b>1490</b>	ug/L	10.0	5.0	10		10/04/22 01:25	95-63-6	
1,3,5-Trimethylbenzene	<b>374</b>	ug/L	10.0	3.3	10		10/04/22 01:25	108-67-8	
Vinyl acetate	ND	ug/L	20.0	13.1	10		10/04/22 01:25	108-05-4	
Vinyl chloride	ND	ug/L	10.0	3.9	10		10/04/22 01:25	75-01-4	
Xylene (Total)	<b>2420</b>	ug/L	10.0	3.4	10		10/04/22 01:25	1330-20-7	
m&p-Xylene	<b>1810</b>	ug/L	20.0	7.1	10		10/04/22 01:25	179601-23-1	
o-Xylene	<b>610</b>	ug/L	10.0	3.4	10		10/04/22 01:25	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		10		10/04/22 01:25	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		10		10/04/22 01:25	17060-07-0	
Toluene-d8 (S)	102	%	70-130		10		10/04/22 01:25	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-14**      **Lab ID: 92628467013**      Collected: 09/27/22 09:52      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	2580	ug/L	312	63.9	12.5		10/04/22 09:22	67-64-1	
Acrolein	ND	ug/L	125	106	12.5		10/04/22 09:22	107-02-8	
Acrylonitrile	ND	ug/L	125	23.1	12.5		10/04/22 09:22	107-13-1	
tert-Amyl Alcohol	ND	ug/L	1250	455	12.5		10/04/22 09:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	125	33.2	12.5		10/04/22 09:22	994-05-8	
Benzene	ND	ug/L	12.5	4.3	12.5		10/04/22 09:22	71-43-2	
Bromobenzene	ND	ug/L	12.5	3.6	12.5		10/04/22 09:22	108-86-1	
Bromochloromethane	ND	ug/L	12.5	5.8	12.5		10/04/22 09:22	74-97-5	
Bromodichloromethane	ND	ug/L	12.5	3.8	12.5		10/04/22 09:22	75-27-4	
Bromoform	ND	ug/L	12.5	4.3	12.5		10/04/22 09:22	75-25-2	
Bromomethane	ND	ug/L	25.0	20.8	12.5		10/04/22 09:22	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	1250	649	12.5		10/04/22 09:22	624-95-3	
2-Butanone (MEK)	ND	ug/L	62.5	49.5	12.5		10/04/22 09:22	78-93-3	
tert-Butyl Alcohol	ND	ug/L	1250	335	12.5		10/04/22 09:22	75-65-0	
tert-Butyl Formate	ND	ug/L	625	368	12.5		10/04/22 09:22	762-75-4	
Carbon tetrachloride	ND	ug/L	12.5	4.2	12.5		10/04/22 09:22	56-23-5	
Chlorobenzene	ND	ug/L	12.5	3.6	12.5		10/04/22 09:22	108-90-7	
Chloroethane	ND	ug/L	12.5	8.1	12.5		10/04/22 09:22	75-00-3	
Chloroform	ND	ug/L	12.5	5.4	12.5		10/04/22 09:22	67-66-3	
Chloromethane	ND	ug/L	12.5	6.8	12.5		10/04/22 09:22	74-87-3	
2-Chlorotoluene	ND	ug/L	12.5	4.0	12.5		10/04/22 09:22	95-49-8	
4-Chlorotoluene	ND	ug/L	12.5	4.0	12.5		10/04/22 09:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	25.0	4.2	12.5		10/04/22 09:22	96-12-8	
Dibromochloromethane	ND	ug/L	12.5	4.5	12.5		10/04/22 09:22	124-48-1	
Dibromomethane	ND	ug/L	12.5	4.9	12.5		10/04/22 09:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		10/04/22 09:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		10/04/22 09:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		10/04/22 09:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	12.5	4.3	12.5		10/04/22 09:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	12.5	4.6	12.5		10/04/22 09:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	12.5	4.0	12.5		10/04/22 09:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	12.5	4.4	12.5		10/04/22 09:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	12.5	4.8	12.5		10/04/22 09:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	12.5	5.0	12.5		10/04/22 09:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	12.5	4.4	12.5		10/04/22 09:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	12.5	3.6	12.5		10/04/22 09:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	12.5	4.8	12.5		10/04/22 09:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	12.5	5.3	12.5		10/04/22 09:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	12.5	4.6	12.5		10/04/22 09:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	12.5	4.5	12.5		10/04/22 09:22	10061-02-6	
Diisopropyl ether	ND	ug/L	12.5	3.8	12.5		10/04/22 09:22	108-20-3	
Ethanol	ND	ug/L	2500	902	12.5		10/04/22 09:22	64-17-5	
Ethylbenzene	ND	ug/L	12.5	3.8	12.5		10/04/22 09:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	125	40.5	12.5		10/04/22 09:22	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	19.1	12.5		10/04/22 09:22	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-14**      **Lab ID: 92628467013**      Collected: 09/27/22 09:52      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	12.5	9.2	12.5		10/04/22 09:22	110-54-3	
2-Hexanone	ND	ug/L	62.5	6.0	12.5		10/04/22 09:22	591-78-6	
p-Isopropyltoluene	ND	ug/L	12.5	5.2	12.5		10/04/22 09:22	99-87-6	
Methylene Chloride	ND	ug/L	62.5	24.4	12.5		10/04/22 09:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	62.5	33.9	12.5		10/04/22 09:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	12.5	5.3	12.5		10/04/22 09:22	1634-04-4	
Naphthalene	ND	ug/L	12.5	8.1	12.5		10/04/22 09:22	91-20-3	
Styrene	ND	ug/L	12.5	3.6	12.5		10/04/22 09:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	12.5	3.9	12.5		10/04/22 09:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	12.5	2.8	12.5		10/04/22 09:22	79-34-5	
Tetrachloroethene	ND	ug/L	12.5	3.6	12.5		10/04/22 09:22	127-18-4	
Toluene	ND	ug/L	12.5	6.1	12.5		10/04/22 09:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	12.5	10.1	12.5		10/04/22 09:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	12.5	8.0	12.5		10/04/22 09:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	12.5	4.2	12.5		10/04/22 09:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	12.5	4.1	12.5		10/04/22 09:22	79-00-5	
Trichloroethene	ND	ug/L	12.5	4.8	12.5		10/04/22 09:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	12.5	3.7	12.5		10/04/22 09:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	12.5	3.3	12.5		10/04/22 09:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	12.5	6.2	12.5		10/04/22 09:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	12.5	4.2	12.5		10/04/22 09:22	108-67-8	
Vinyl acetate	ND	ug/L	25.0	16.4	12.5		10/04/22 09:22	108-05-4	
Vinyl chloride	ND	ug/L	12.5	4.8	12.5		10/04/22 09:22	75-01-4	
Xylene (Total)	ND	ug/L	12.5	4.2	12.5		10/04/22 09:22	1330-20-7	
m&p-Xylene	ND	ug/L	25.0	8.9	12.5		10/04/22 09:22	179601-23-1	
o-Xylene	ND	ug/L	12.5	4.2	12.5		10/04/22 09:22	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		12.5		10/04/22 09:22	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		12.5		10/04/22 09:22	17060-07-0	
Toluene-d8 (S)	99	%	70-130		12.5		10/04/22 09:22	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-15**      **Lab ID: 92628467014**      Collected: 09/27/22 10:04      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	<b>274J</b>	ug/L	1250	256	50		10/03/22 01:48	67-64-1	
Acrolein	ND	ug/L	500	423	50		10/03/22 01:48	107-02-8	
Acrylonitrile	ND	ug/L	500	92.5	50		10/03/22 01:48	107-13-1	
tert-Amyl Alcohol	<b>8510</b>	ug/L	5000	1820	50		10/03/22 01:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		10/03/22 01:48	994-05-8	
Benzene	<b>3130</b>	ug/L	50.0	17.2	50		10/03/22 01:48	71-43-2	
Bromobenzene	ND	ug/L	50.0	14.5	50		10/03/22 01:48	108-86-1	
Bromochloromethane	ND	ug/L	50.0	23.4	50		10/03/22 01:48	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	15.4	50		10/03/22 01:48	75-27-4	
Bromoform	ND	ug/L	50.0	17.0	50		10/03/22 01:48	75-25-2	
Bromomethane	ND	ug/L	100	83.0	50		10/03/22 01:48	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		10/03/22 01:48	624-95-3	
2-Butanone (MEK)	ND	ug/L	250	198	50		10/03/22 01:48	78-93-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		10/03/22 01:48	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		10/03/22 01:48	762-75-4	
Carbon tetrachloride	ND	ug/L	50.0	16.6	50		10/03/22 01:48	56-23-5	
Chlorobenzene	ND	ug/L	50.0	14.2	50		10/03/22 01:48	108-90-7	
Chloroethane	ND	ug/L	50.0	32.4	50		10/03/22 01:48	75-00-3	v2
Chloroform	ND	ug/L	50.0	21.5	50		10/03/22 01:48	67-66-3	
Chloromethane	ND	ug/L	50.0	27.0	50		10/03/22 01:48	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	16.0	50		10/03/22 01:48	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	16.2	50		10/03/22 01:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	100	17.0	50		10/03/22 01:48	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	18.0	50		10/03/22 01:48	124-48-1	
Dibromomethane	ND	ug/L	50.0	19.7	50		10/03/22 01:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	17.0	50		10/03/22 01:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	17.0	50		10/03/22 01:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	16.6	50		10/03/22 01:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	17.3	50		10/03/22 01:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	18.4	50		10/03/22 01:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		10/03/22 01:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	17.4	50		10/03/22 01:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	19.2	50		10/03/22 01:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	19.8	50		10/03/22 01:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	17.8	50		10/03/22 01:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	14.2	50		10/03/22 01:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	50.0	19.4	50		10/03/22 01:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	21.4	50		10/03/22 01:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	50.0	18.2	50		10/03/22 01:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	18.2	50		10/03/22 01:48	10061-02-6	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		10/03/22 01:48	108-20-3	
Ethanol	ND	ug/L	10000	3610	50		10/03/22 01:48	64-17-5	
Ethylbenzene	<b>727</b>	ug/L	50.0	15.2	50		10/03/22 01:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		10/03/22 01:48	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	100	76.5	50		10/03/22 01:48	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-15**      **Lab ID: 92628467014**      Collected: 09/27/22 10:04      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	<b>42.0J</b>	ug/L	50.0	36.6	50		10/03/22 01:48	110-54-3	
2-Hexanone	ND	ug/L	250	23.8	50		10/03/22 01:48	591-78-6	
p-Isopropyltoluene	ND	ug/L	50.0	20.7	50		10/03/22 01:48	99-87-6	
Methylene Chloride	ND	ug/L	250	97.5	50		10/03/22 01:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	136	50		10/03/22 01:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	50.0	21.1	50		10/03/22 01:48	1634-04-4	
Naphthalene	<b>60.5</b>	ug/L	50.0	32.2	50		10/03/22 01:48	91-20-3	
Styrene	ND	ug/L	50.0	14.6	50		10/03/22 01:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	15.6	50		10/03/22 01:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	11.2	50		10/03/22 01:48	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	14.6	50		10/03/22 01:48	127-18-4	
Toluene	<b>5870</b>	ug/L	50.0	24.2	50		10/03/22 01:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	40.3	50		10/03/22 01:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	32.0	50		10/03/22 01:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	16.6	50		10/03/22 01:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	16.2	50		10/03/22 01:48	79-00-5	
Trichloroethene	ND	ug/L	50.0	19.2	50		10/03/22 01:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	14.9	50		10/03/22 01:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	50.0	13.0	50		10/03/22 01:48	96-18-4	
1,2,4-Trimethylbenzene	<b>456</b>	ug/L	50.0	24.8	50		10/03/22 01:48	95-63-6	
1,3,5-Trimethylbenzene	<b>141</b>	ug/L	50.0	16.6	50		10/03/22 01:48	108-67-8	
Vinyl acetate	ND	ug/L	100	65.5	50		10/03/22 01:48	108-05-4	
Vinyl chloride	ND	ug/L	50.0	19.3	50		10/03/22 01:48	75-01-4	
Xylene (Total)	<b>3170</b>	ug/L	50.0	16.9	50		10/03/22 01:48	1330-20-7	
m&p-Xylene	<b>2190</b>	ug/L	100	35.4	50		10/03/22 01:48	179601-23-1	
o-Xylene	<b>982</b>	ug/L	50.0	16.9	50		10/03/22 01:48	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		50		10/03/22 01:48	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		50		10/03/22 01:48	17060-07-0	
Toluene-d8 (S)	99	%	70-130		50		10/03/22 01:48	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-16**      **Lab ID: 92628467015**      Collected: 09/27/22 11:02      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	105	ug/L	25.0	5.1	1		10/01/22 06:04	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 06:04	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 06:04	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 06:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 06:04	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 06:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 06:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 06:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 06:04	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 06:04	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 06:04	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 06:04	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 06:04	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 06:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 06:04	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 06:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 06:04	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 06:04	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 06:04	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 06:04	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 06:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 06:04	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 06:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 06:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 06:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 06:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 06:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 06:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 06:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 06:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 06:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:04	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 06:04	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 06:04	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 06:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 06:04	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 06:04	87-68-3	v2

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-16**      **Lab ID: 92628467015**      Collected: 09/27/22 11:02      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 06:04	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 06:04	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 06:04	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 06:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 06:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 06:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 06:04	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 06:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 06:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 06:04	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 06:04	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 06:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 06:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 06:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 06:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:04	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 06:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 06:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 06:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:04	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 06:04	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 06:04	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 06:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 06:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 06:04	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/01/22 06:04	460-00-4	
1,2-Dichloroethane-d4 (S)	125	%	70-130		1		10/01/22 06:04	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/01/22 06:04	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-17**      **Lab ID: 92628467016**      Collected: 09/27/22 10:18      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	48.8	ug/L	25.0	5.1	1		10/01/22 06:22	67-64-1	D6,v1
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 06:22	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 06:22	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 06:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 06:22	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 06:22	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 06:22	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 06:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 06:22	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 06:22	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 06:22	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 06:22	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 06:22	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 06:22	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 06:22	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 06:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 06:22	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 06:22	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 06:22	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 06:22	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:22	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 06:22	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 06:22	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 06:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 06:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 06:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 06:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 06:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 06:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 06:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 06:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 06:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:22	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 06:22	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 06:22	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 06:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 06:22	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 06:22	87-68-3	v2

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-17**      **Lab ID: 92628467016**      Collected: 09/27/22 10:18      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 06:22	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 06:22	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 06:22	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 06:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 06:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 06:22	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 06:22	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 06:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 06:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 06:22	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 06:22	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 06:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 06:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 06:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 06:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:22	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 06:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 06:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 06:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:22	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 06:22	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 06:22	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 06:22	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 06:22	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 06:22	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 06:22	460-00-4	
1,2-Dichloroethane-d4 (S)	125	%	70-130		1		10/01/22 06:22	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		10/01/22 06:22	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-18**      **Lab ID: 92628467017**      Collected: 09/27/22 10:34      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 06:40	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 06:40	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 06:40	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 06:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 06:40	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 06:40	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 06:40	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 06:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 06:40	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 06:40	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 06:40	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 06:40	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 06:40	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 06:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 06:40	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 06:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 06:40	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 06:40	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 06:40	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 06:40	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:40	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 06:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 06:40	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 06:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 06:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 06:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 06:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 06:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 06:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 06:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 06:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 06:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:40	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 06:40	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 06:40	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 06:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 06:40	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 06:40	87-68-3	v2

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-18**      **Lab ID: 92628467017**      Collected: 09/27/22 10:34      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 06:40	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 06:40	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 06:40	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 06:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 06:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 06:40	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 06:40	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 06:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 06:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 06:40	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 06:40	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 06:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 06:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 06:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 06:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:40	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 06:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 06:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 06:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:40	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 06:40	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 06:40	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 06:40	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 06:40	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 06:40	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 06:40	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		10/01/22 06:40	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/01/22 06:40	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-19**      **Lab ID: 92628467018**      Collected: 09/27/22 10:49      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	55.3	ug/L	25.0	5.1	1		10/01/22 06:58	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 06:58	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 06:58	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 06:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 06:58	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 06:58	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 06:58	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 06:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 06:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 06:58	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 06:58	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 06:58	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 06:58	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 06:58	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 06:58	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 06:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 06:58	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 06:58	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 06:58	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 06:58	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:58	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 06:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 06:58	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 06:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 06:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 06:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 06:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 06:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 06:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 06:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 06:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 06:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:58	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 06:58	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 06:58	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 06:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 06:58	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 06:58	87-68-3	v2

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-19**      **Lab ID: 92628467018**      Collected: 09/27/22 10:49      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 06:58	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 06:58	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 06:58	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 06:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 06:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 06:58	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 06:58	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 06:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 06:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 06:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 06:58	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 06:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 06:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 06:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 06:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 06:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 06:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 06:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:58	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 06:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 06:58	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 06:58	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 06:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 06:58	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 06:58	460-00-4	
1,2-Dichloroethane-d4 (S)	119	%	70-130		1		10/01/22 06:58	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/01/22 06:58	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-20**      **Lab ID: 92628467019**      Collected: 09/28/22 10:11      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	51.0	ug/L	25.0	5.1	1		10/01/22 07:16	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 07:16	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 07:16	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 07:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 07:16	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 07:16	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 07:16	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 07:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 07:16	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 07:16	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 07:16	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 07:16	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 07:16	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 07:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 07:16	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 07:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 07:16	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 07:16	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 07:16	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 07:16	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 07:16	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 07:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 07:16	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 07:16	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 07:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 07:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 07:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 07:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 07:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 07:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 07:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 07:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 07:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 07:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 07:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 07:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 07:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 07:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 07:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 07:16	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 07:16	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 07:16	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 07:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 07:16	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 07:16	87-68-3	v2

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-20**      **Lab ID: 92628467019**      Collected: 09/28/22 10:11      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 07:16	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 07:16	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 07:16	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 07:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 07:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 07:16	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 07:16	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 07:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 07:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 07:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 07:16	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 07:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 07:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 07:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 07:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 07:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 07:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 07:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 07:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 07:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 07:16	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 07:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 07:16	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 07:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 07:16	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 07:16	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 07:16	460-00-4	
1,2-Dichloroethane-d4 (S)	127	%	70-130		1		10/01/22 07:16	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/01/22 07:16	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-21**      **Lab ID: 92628467020**      Collected: 09/27/22 10:35      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	26.1	ug/L	25.0	5.1	1		10/01/22 07:34	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 07:34	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 07:34	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 07:34	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 07:34	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 07:34	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 07:34	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 07:34	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 07:34	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 07:34	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 07:34	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 07:34	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 07:34	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 07:34	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 07:34	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 07:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 07:34	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 07:34	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 07:34	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 07:34	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 07:34	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 07:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 07:34	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 07:34	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 07:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 07:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 07:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 07:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 07:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 07:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 07:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 07:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 07:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 07:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 07:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 07:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 07:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 07:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 07:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 07:34	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 07:34	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 07:34	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 07:34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 07:34	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 07:34	87-68-3	v2

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-21**      **Lab ID: 92628467020**      Collected: 09/27/22 10:35      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 07:34	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 07:34	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 07:34	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 07:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 07:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 07:34	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 07:34	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 07:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 07:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 07:34	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 07:34	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 07:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 07:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 07:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 07:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 07:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 07:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 07:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 07:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 07:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 07:34	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 07:34	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 07:34	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 07:34	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 07:34	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 07:34	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 07:34	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-130		1		10/01/22 07:34	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/01/22 07:34	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

Sample: 01589 MW-22 Lab ID: 92628467021 Collected: 09/27/22 11:05 Received: 09/30/22 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	187	ug/L	25.0	5.1	1		10/01/22 07:53	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 07:53	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 07:53	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 07:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 07:53	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 07:53	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 07:53	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 07:53	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 07:53	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 07:53	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 07:53	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 07:53	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 07:53	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 07:53	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 07:53	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 07:53	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 07:53	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 07:53	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 07:53	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 07:53	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 07:53	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 07:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 07:53	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 07:53	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 07:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 07:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 07:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 07:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 07:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 07:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 07:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 07:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 07:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 07:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 07:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 07:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 07:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 07:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 07:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 07:53	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 07:53	108-20-3	
Ethanol	283	ug/L	200	72.2	1		10/01/22 07:53	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 07:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 07:53	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 07:53	87-68-3	v2

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-22**      **Lab ID: 92628467021**      Collected: 09/27/22 11:05      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 07:53	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 07:53	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 07:53	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 07:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 07:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 07:53	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 07:53	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 07:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 07:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 07:53	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 07:53	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 07:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 07:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 07:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 07:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 07:53	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 07:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 07:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 07:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 07:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 07:53	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 07:53	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 07:53	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 07:53	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 07:53	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 07:53	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 07:53	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1		10/01/22 07:53	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/01/22 07:53	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-23**      **Lab ID: 92628467022**      Collected: 09/27/22 12:49      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	395	ug/L	25.0	5.1	1		10/01/22 08:11	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 08:11	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 08:11	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 08:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 08:11	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 08:11	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 08:11	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 08:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 08:11	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 08:11	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 08:11	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 08:11	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 08:11	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 08:11	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 08:11	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 08:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 08:11	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 08:11	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 08:11	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 08:11	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 08:11	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 08:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 08:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 08:11	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 08:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 08:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 08:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 08:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 08:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 08:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 08:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 08:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 08:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 08:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 08:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 08:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 08:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 08:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 08:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 08:11	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 08:11	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 08:11	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 08:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 08:11	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 08:11	87-68-3	v2

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-23**      **Lab ID: 92628467022**      Collected: 09/27/22 12:49      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 08:11	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 08:11	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 08:11	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 08:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 08:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 08:11	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 08:11	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 08:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 08:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 08:11	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 08:11	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 08:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 08:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 08:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 08:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 08:11	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 08:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 08:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 08:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 08:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 08:11	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 08:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 08:11	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 08:11	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 08:11	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 08:11	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/01/22 08:11	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1		10/01/22 08:11	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/01/22 08:11	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-24**      **Lab ID: 92628467023**      Collected: 09/27/22 14:39      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	712	ug/L	62.5	12.8	2.5	10/04/22 07:30	67-64-1		
Acrolein	ND	ug/L	25.0	21.2	2.5	10/04/22 07:30	107-02-8		
Acrylonitrile	ND	ug/L	25.0	4.6	2.5	10/04/22 07:30	107-13-1		
tert-Amyl Alcohol	ND	ug/L	250	91.0	2.5	10/04/22 07:30	75-85-4		
tert-Amylmethyl ether	ND	ug/L	25.0	6.6	2.5	10/04/22 07:30	994-05-8		
Benzene	ND	ug/L	2.5	0.86	2.5	10/04/22 07:30	71-43-2		
Bromobenzene	ND	ug/L	2.5	0.72	2.5	10/04/22 07:30	108-86-1		
Bromochloromethane	ND	ug/L	2.5	1.2	2.5	10/04/22 07:30	74-97-5		
Bromodichloromethane	ND	ug/L	2.5	0.77	2.5	10/04/22 07:30	75-27-4		
Bromoform	ND	ug/L	2.5	0.85	2.5	10/04/22 07:30	75-25-2		
Bromomethane	ND	ug/L	5.0	4.2	2.5	10/04/22 07:30	74-83-9		
3,3-Dimethyl-1-Butanol	ND	ug/L	250	130	2.5	10/04/22 07:30	624-95-3		
2-Butanone (MEK)	ND	ug/L	12.5	9.9	2.5	10/04/22 07:30	78-93-3		
tert-Butyl Alcohol	ND	ug/L	250	67.0	2.5	10/04/22 07:30	75-65-0		
tert-Butyl Formate	ND	ug/L	125	73.5	2.5	10/04/22 07:30	762-75-4		
Carbon tetrachloride	ND	ug/L	2.5	0.83	2.5	10/04/22 07:30	56-23-5		
Chlorobenzene	ND	ug/L	2.5	0.71	2.5	10/04/22 07:30	108-90-7		
Chloroethane	ND	ug/L	2.5	1.6	2.5	10/04/22 07:30	75-00-3		
Chloroform	ND	ug/L	2.5	1.1	2.5	10/04/22 07:30	67-66-3		
Chloromethane	ND	ug/L	2.5	1.4	2.5	10/04/22 07:30	74-87-3		
2-Chlorotoluene	ND	ug/L	2.5	0.80	2.5	10/04/22 07:30	95-49-8		
4-Chlorotoluene	ND	ug/L	2.5	0.81	2.5	10/04/22 07:30	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	0.85	2.5	10/04/22 07:30	96-12-8		
Dibromochloromethane	ND	ug/L	2.5	0.90	2.5	10/04/22 07:30	124-48-1		
Dibromomethane	ND	ug/L	2.5	0.98	2.5	10/04/22 07:30	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	2.5	0.85	2.5	10/04/22 07:30	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	2.5	0.85	2.5	10/04/22 07:30	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	2.5	0.83	2.5	10/04/22 07:30	106-46-7		
Dichlorodifluoromethane	ND	ug/L	2.5	0.86	2.5	10/04/22 07:30	75-71-8		
1,1-Dichloroethane	ND	ug/L	2.5	0.92	2.5	10/04/22 07:30	75-34-3		
1,2-Dichloroethane	ND	ug/L	2.5	0.80	2.5	10/04/22 07:30	107-06-2		
1,1-Dichloroethene	ND	ug/L	2.5	0.87	2.5	10/04/22 07:30	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	2.5	0.96	2.5	10/04/22 07:30	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	2.5	0.99	2.5	10/04/22 07:30	156-60-5		
1,2-Dichloropropane	ND	ug/L	2.5	0.89	2.5	10/04/22 07:30	78-87-5		
1,3-Dichloropropane	ND	ug/L	2.5	0.71	2.5	10/04/22 07:30	142-28-9		
2,2-Dichloropropane	ND	ug/L	2.5	0.97	2.5	10/04/22 07:30	594-20-7		
1,1-Dichloropropene	ND	ug/L	2.5	1.1	2.5	10/04/22 07:30	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	2.5	0.91	2.5	10/04/22 07:30	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	2.5	0.91	2.5	10/04/22 07:30	10061-02-6		
Diisopropyl ether	ND	ug/L	2.5	0.77	2.5	10/04/22 07:30	108-20-3		
Ethanol	ND	ug/L	500	180	2.5	10/04/22 07:30	64-17-5		
Ethylbenzene	ND	ug/L	2.5	0.76	2.5	10/04/22 07:30	100-41-4		
Ethyl-tert-butyl ether	ND	ug/L	25.0	8.1	2.5	10/04/22 07:30	637-92-3		
Hexachloro-1,3-butadiene	ND	ug/L	5.0	3.8	2.5	10/04/22 07:30	87-68-3		

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-24**      **Lab ID: 92628467023**      Collected: 09/27/22 14:39      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	2.5	1.8	2.5		10/04/22 07:30	110-54-3	
2-Hexanone	ND	ug/L	12.5	1.2	2.5		10/04/22 07:30	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.5	1.0	2.5		10/04/22 07:30	99-87-6	
Methylene Chloride	ND	ug/L	12.5	4.9	2.5		10/04/22 07:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	12.5	6.8	2.5		10/04/22 07:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.5	1.1	2.5		10/04/22 07:30	1634-04-4	
Naphthalene	ND	ug/L	2.5	1.6	2.5		10/04/22 07:30	91-20-3	
Styrene	ND	ug/L	2.5	0.73	2.5		10/04/22 07:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.5	0.78	2.5		10/04/22 07:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.5	0.56	2.5		10/04/22 07:30	79-34-5	
Tetrachloroethene	ND	ug/L	2.5	0.73	2.5		10/04/22 07:30	127-18-4	
Toluene	ND	ug/L	2.5	1.2	2.5		10/04/22 07:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.5	2.0	2.5		10/04/22 07:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.5	1.6	2.5		10/04/22 07:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.5	0.83	2.5		10/04/22 07:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.5	0.81	2.5		10/04/22 07:30	79-00-5	
Trichloroethene	ND	ug/L	2.5	0.96	2.5		10/04/22 07:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.5	0.74	2.5		10/04/22 07:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.65	2.5		10/04/22 07:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	2.5	1.2	2.5		10/04/22 07:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.5	0.83	2.5		10/04/22 07:30	108-67-8	
Vinyl acetate	ND	ug/L	5.0	3.3	2.5		10/04/22 07:30	108-05-4	
Vinyl chloride	ND	ug/L	2.5	0.96	2.5		10/04/22 07:30	75-01-4	
Xylene (Total)	ND	ug/L	2.5	0.84	2.5		10/04/22 07:30	1330-20-7	
m&p-Xylene	ND	ug/L	5.0	1.8	2.5		10/04/22 07:30	179601-23-1	
o-Xylene	ND	ug/L	2.5	0.84	2.5		10/04/22 07:30	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		2.5		10/04/22 07:30	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		2.5		10/04/22 07:30	17060-07-0	
Toluene-d8 (S)	98	%	70-130		2.5		10/04/22 07:30	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-25**      **Lab ID: 92628467024**      Collected: 09/27/22 16:19      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>			Analytical Method: EPA 8260D Pace Analytical Services - Charlotte						
Acetone	<b>7.4J</b>	ug/L	25.0	5.1	1		10/01/22 08:47	67-64-1	C8
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 08:47	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 08:47	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 08:47	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 08:47	994-05-8	
Benzene	<b>1.5</b>	ug/L	1.0	0.34	1		10/01/22 08:47	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 08:47	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 08:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 08:47	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 08:47	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 08:47	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 08:47	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 08:47	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 08:47	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 08:47	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 08:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 08:47	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 08:47	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 08:47	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 08:47	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 08:47	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 08:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 08:47	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 08:47	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 08:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 08:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 08:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 08:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 08:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 08:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 08:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 08:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 08:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 08:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 08:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 08:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 08:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 08:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 08:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 08:47	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 08:47	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 08:47	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 08:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 08:47	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 08:47	87-68-3	v2

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-25**      **Lab ID: 92628467024**      Collected: 09/27/22 16:19      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	1.1	ug/L	1.0	0.73	1		10/01/22 08:47	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 08:47	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 08:47	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 08:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 08:47	108-10-1	
Methyl-tert-butyl ether	3.3	ug/L	1.0	0.42	1		10/01/22 08:47	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 08:47	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 08:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 08:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 08:47	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 08:47	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 08:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 08:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 08:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 08:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 08:47	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 08:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 08:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 08:47	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 08:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 08:47	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 08:47	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 08:47	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 08:47	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 08:47	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 08:47	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 08:47	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		10/01/22 08:47	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/01/22 08:47	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-27**      **Lab ID: 92628467025**      Collected: 09/27/22 13:10      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	195	ug/L	25.0	5.1	1		10/01/22 09:05	67-64-1	v1
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 09:05	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 09:05	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 09:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 09:05	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 09:05	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 09:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 09:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 09:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 09:05	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 09:05	74-83-9	v2,v3
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 09:05	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 09:05	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 09:05	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 09:05	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 09:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 09:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 09:05	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 09:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 09:05	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 09:05	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 09:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 09:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 09:05	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 09:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 09:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 09:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 09:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 09:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 09:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 09:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 09:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 09:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 09:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 09:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 09:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 09:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 09:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 09:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 09:05	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 09:05	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 09:05	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 09:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 09:05	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 09:05	87-68-3	v2

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-27**      **Lab ID: 92628467025**      Collected: 09/27/22 13:10      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 09:05	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 09:05	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 09:05	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 09:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 09:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 09:05	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 09:05	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 09:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 09:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 09:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 09:05	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 09:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 09:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 09:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 09:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 09:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 09:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 09:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 09:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 09:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 09:05	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 09:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 09:05	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 09:05	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 09:05	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 09:05	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/01/22 09:05	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		10/01/22 09:05	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/01/22 09:05	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-28**      **Lab ID: 92628467026**      Collected: 09/27/22 15:09      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	205	ug/L	50.0	10.2	2		10/04/22 06:33	67-64-1	
Acrolein	ND	ug/L	20.0	16.9	2		10/04/22 06:33	107-02-8	
Acrylonitrile	ND	ug/L	20.0	3.7	2		10/04/22 06:33	107-13-1	
tert-Amyl Alcohol	ND	ug/L	200	72.8	2		10/04/22 06:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	5.3	2		10/04/22 06:33	994-05-8	
Benzene	ND	ug/L	2.0	0.69	2		10/04/22 06:33	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.58	2		10/04/22 06:33	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.94	2		10/04/22 06:33	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.61	2		10/04/22 06:33	75-27-4	
Bromoform	ND	ug/L	2.0	0.68	2		10/04/22 06:33	75-25-2	
Bromomethane	ND	ug/L	4.0	3.3	2		10/04/22 06:33	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	104	2		10/04/22 06:33	624-95-3	
2-Butanone (MEK)	ND	ug/L	10.0	7.9	2		10/04/22 06:33	78-93-3	
tert-Butyl Alcohol	ND	ug/L	200	53.6	2		10/04/22 06:33	75-65-0	
tert-Butyl Formate	ND	ug/L	100	58.8	2		10/04/22 06:33	762-75-4	
Carbon tetrachloride	ND	ug/L	2.0	0.67	2		10/04/22 06:33	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.57	2		10/04/22 06:33	108-90-7	
Chloroethane	ND	ug/L	2.0	1.3	2		10/04/22 06:33	75-00-3	
Chloroform	ND	ug/L	2.0	0.86	2		10/04/22 06:33	67-66-3	
Chloromethane	ND	ug/L	2.0	1.1	2		10/04/22 06:33	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.64	2		10/04/22 06:33	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.65	2		10/04/22 06:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	0.68	2		10/04/22 06:33	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.72	2		10/04/22 06:33	124-48-1	
Dibromomethane	ND	ug/L	2.0	0.79	2		10/04/22 06:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.68	2		10/04/22 06:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.68	2		10/04/22 06:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.67	2		10/04/22 06:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.69	2		10/04/22 06:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.73	2		10/04/22 06:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		10/04/22 06:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	0.70	2		10/04/22 06:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	0.77	2		10/04/22 06:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	0.79	2		10/04/22 06:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.71	2		10/04/22 06:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.57	2		10/04/22 06:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	0.78	2		10/04/22 06:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.85	2		10/04/22 06:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		10/04/22 06:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.0	0.73	2		10/04/22 06:33	10061-02-6	
Diisopropyl ether	ND	ug/L	2.0	0.62	2		10/04/22 06:33	108-20-3	
Ethanol	ND	ug/L	400	144	2		10/04/22 06:33	64-17-5	
Ethylbenzene	1.6J	ug/L	2.0	0.61	2		10/04/22 06:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	6.5	2		10/04/22 06:33	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	3.1	2		10/04/22 06:33	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-28**      **Lab ID: 92628467026**      Collected: 09/27/22 15:09      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	2.0	1.5	2		10/04/22 06:33	110-54-3	
2-Hexanone	ND	ug/L	10.0	0.95	2		10/04/22 06:33	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.0	0.83	2		10/04/22 06:33	99-87-6	
Methylene Chloride	ND	ug/L	10.0	3.9	2		10/04/22 06:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	5.4	2		10/04/22 06:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		10/04/22 06:33	1634-04-4	
Naphthalene	ND	ug/L	2.0	1.3	2		10/04/22 06:33	91-20-3	
Styrene	ND	ug/L	2.0	0.58	2		10/04/22 06:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.62	2		10/04/22 06:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.45	2		10/04/22 06:33	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	0.58	2		10/04/22 06:33	127-18-4	
Toluene	2.1	ug/L	2.0	0.97	2		10/04/22 06:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1.6	2		10/04/22 06:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1.3	2		10/04/22 06:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	0.66	2		10/04/22 06:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.65	2		10/04/22 06:33	79-00-5	
Trichloroethene	ND	ug/L	2.0	0.77	2		10/04/22 06:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.60	2		10/04/22 06:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	0.52	2		10/04/22 06:33	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	0.99	2		10/04/22 06:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	0.66	2		10/04/22 06:33	108-67-8	
Vinyl acetate	ND	ug/L	4.0	2.6	2		10/04/22 06:33	108-05-4	
Vinyl chloride	ND	ug/L	2.0	0.77	2		10/04/22 06:33	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.68	2		10/04/22 06:33	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	1.4	2		10/04/22 06:33	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.68	2		10/04/22 06:33	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		2		10/04/22 06:33	460-00-4	D3
1,2-Dichloroethane-d4 (S)	102	%	70-130		2		10/04/22 06:33	17060-07-0	
Toluene-d8 (S)	98	%	70-130		2		10/04/22 06:33	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-29**      **Lab ID: 92628467027**      Collected: 09/27/22 14:19      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	988	ug/L	62.5	12.8	2.5		10/04/22 00:13	67-64-1	
Acrolein	ND	ug/L	25.0	21.2	2.5		10/04/22 00:13	107-02-8	
Acrylonitrile	ND	ug/L	25.0	4.6	2.5		10/04/22 00:13	107-13-1	
tert-Amyl Alcohol	992	ug/L	250	91.0	2.5		10/04/22 00:13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	25.0	6.6	2.5		10/04/22 00:13	994-05-8	
Benzene	ND	ug/L	2.5	0.86	2.5		10/04/22 00:13	71-43-2	
Bromobenzene	ND	ug/L	2.5	0.72	2.5		10/04/22 00:13	108-86-1	
Bromochloromethane	ND	ug/L	2.5	1.2	2.5		10/04/22 00:13	74-97-5	
Bromodichloromethane	ND	ug/L	2.5	0.77	2.5		10/04/22 00:13	75-27-4	
Bromoform	ND	ug/L	2.5	0.85	2.5		10/04/22 00:13	75-25-2	
Bromomethane	ND	ug/L	5.0	4.2	2.5		10/04/22 00:13	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	250	130	2.5		10/04/22 00:13	624-95-3	
2-Butanone (MEK)	ND	ug/L	12.5	9.9	2.5		10/04/22 00:13	78-93-3	
tert-Butyl Alcohol	139J	ug/L	250	67.0	2.5		10/04/22 00:13	75-65-0	v3
tert-Butyl Formate	ND	ug/L	125	73.5	2.5		10/04/22 00:13	762-75-4	v2
Carbon tetrachloride	ND	ug/L	2.5	0.83	2.5		10/04/22 00:13	56-23-5	
Chlorobenzene	ND	ug/L	2.5	0.71	2.5		10/04/22 00:13	108-90-7	
Chloroethane	ND	ug/L	2.5	1.6	2.5		10/04/22 00:13	75-00-3	
Chloroform	ND	ug/L	2.5	1.1	2.5		10/04/22 00:13	67-66-3	
Chloromethane	ND	ug/L	2.5	1.4	2.5		10/04/22 00:13	74-87-3	
2-Chlorotoluene	ND	ug/L	2.5	0.80	2.5		10/04/22 00:13	95-49-8	
4-Chlorotoluene	ND	ug/L	2.5	0.81	2.5		10/04/22 00:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	0.85	2.5		10/04/22 00:13	96-12-8	
Dibromochloromethane	ND	ug/L	2.5	0.90	2.5		10/04/22 00:13	124-48-1	
Dibromomethane	ND	ug/L	2.5	0.98	2.5		10/04/22 00:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.5	0.85	2.5		10/04/22 00:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.5	0.85	2.5		10/04/22 00:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.5	0.83	2.5		10/04/22 00:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.5	0.86	2.5		10/04/22 00:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.5	0.92	2.5		10/04/22 00:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.5	0.80	2.5		10/04/22 00:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.5	0.87	2.5		10/04/22 00:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.5	0.96	2.5		10/04/22 00:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.5	0.99	2.5		10/04/22 00:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.5	0.89	2.5		10/04/22 00:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.5	0.71	2.5		10/04/22 00:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.5	0.97	2.5		10/04/22 00:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.5	1.1	2.5		10/04/22 00:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2.5	0.91	2.5		10/04/22 00:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2.5	0.91	2.5		10/04/22 00:13	10061-02-6	
Diisopropyl ether	ND	ug/L	2.5	0.77	2.5		10/04/22 00:13	108-20-3	
Ethanol	ND	ug/L	500	180	2.5		10/04/22 00:13	64-17-5	
Ethylbenzene	ND	ug/L	2.5	0.76	2.5		10/04/22 00:13	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	25.0	8.1	2.5		10/04/22 00:13	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	3.8	2.5		10/04/22 00:13	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

Sample: 01589 MW-29 Lab ID: 92628467027 Collected: 09/27/22 14:19 Received: 09/30/22 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	8.9	ug/L	2.5	1.8	2.5		10/04/22 00:13	110-54-3	
2-Hexanone	ND	ug/L	12.5	1.2	2.5		10/04/22 00:13	591-78-6	
p-Isopropyltoluene	ND	ug/L	2.5	1.0	2.5		10/04/22 00:13	99-87-6	
Methylene Chloride	ND	ug/L	12.5	4.9	2.5		10/04/22 00:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	12.5	6.8	2.5		10/04/22 00:13	108-10-1	
Methyl-tert-butyl ether	20.6	ug/L	2.5	1.1	2.5		10/04/22 00:13	1634-04-4	
Naphthalene	ND	ug/L	2.5	1.6	2.5		10/04/22 00:13	91-20-3	
Styrene	ND	ug/L	2.5	0.73	2.5		10/04/22 00:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.5	0.78	2.5		10/04/22 00:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.5	0.56	2.5		10/04/22 00:13	79-34-5	
Tetrachloroethene	ND	ug/L	2.5	0.73	2.5		10/04/22 00:13	127-18-4	
Toluene	ND	ug/L	2.5	1.2	2.5		10/04/22 00:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.5	2.0	2.5		10/04/22 00:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.5	1.6	2.5		10/04/22 00:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.5	0.83	2.5		10/04/22 00:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.5	0.81	2.5		10/04/22 00:13	79-00-5	
Trichloroethene	ND	ug/L	2.5	0.96	2.5		10/04/22 00:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.5	0.74	2.5		10/04/22 00:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	0.65	2.5		10/04/22 00:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	2.5	1.2	2.5		10/04/22 00:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.5	0.83	2.5		10/04/22 00:13	108-67-8	
Vinyl acetate	ND	ug/L	5.0	3.3	2.5		10/04/22 00:13	108-05-4	
Vinyl chloride	ND	ug/L	2.5	0.96	2.5		10/04/22 00:13	75-01-4	
Xylene (Total)	ND	ug/L	2.5	0.84	2.5		10/04/22 00:13	1330-20-7	
m&p-Xylene	ND	ug/L	5.0	1.8	2.5		10/04/22 00:13	179601-23-1	
o-Xylene	ND	ug/L	2.5	0.84	2.5		10/04/22 00:13	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		2.5		10/04/22 00:13	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		2.5		10/04/22 00:13	17060-07-0	
Toluene-d8 (S)	101	%	70-130		2.5		10/04/22 00:13	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-30**      **Lab ID: 92628467028**      Collected: 09/27/22 10:49      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	202	ug/L	25.0	5.1	1		10/01/22 03:07	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 03:07	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 03:07	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 03:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 03:07	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 03:07	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 03:07	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 03:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 03:07	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 03:07	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 03:07	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 03:07	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 03:07	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 03:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 03:07	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 03:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 03:07	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 03:07	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 03:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 03:07	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 03:07	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 03:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 03:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 03:07	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 03:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 03:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 03:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 03:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 03:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 03:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 03:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 03:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 03:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 03:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 03:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 03:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 03:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 03:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 03:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 03:07	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 03:07	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 03:07	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 03:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 03:07	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 03:07	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-30**      **Lab ID: 92628467028**      Collected: 09/27/22 10:49      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 03:07	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 03:07	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 03:07	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 03:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 03:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 03:07	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 03:07	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 03:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 03:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 03:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 03:07	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 03:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 03:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 03:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 03:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 03:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 03:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 03:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 03:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 03:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 03:07	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 03:07	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 03:07	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 03:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 03:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 03:07	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 03:07	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		10/01/22 03:07	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/01/22 03:07	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-31**      **Lab ID: 92628467029**      Collected: 09/27/22 14:54      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	202	ug/L	25.0	5.1	1		10/01/22 03:25	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 03:25	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 03:25	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 03:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 03:25	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 03:25	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 03:25	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 03:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 03:25	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 03:25	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 03:25	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 03:25	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 03:25	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 03:25	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 03:25	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 03:25	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 03:25	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 03:25	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 03:25	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 03:25	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 03:25	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 03:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 03:25	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 03:25	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 03:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 03:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 03:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 03:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 03:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 03:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 03:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 03:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 03:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 03:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 03:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 03:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 03:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 03:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 03:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 03:25	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 03:25	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 03:25	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 03:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 03:25	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 03:25	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-31**      **Lab ID: 92628467029**      Collected: 09/27/22 14:54      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 03:25	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 03:25	591-78-6	
p-Isopropyltoluene	<b>0.81J</b>	ug/L	1.0	0.41	1		10/01/22 03:25	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 03:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 03:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 03:25	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 03:25	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 03:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 03:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 03:25	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 03:25	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 03:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 03:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 03:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 03:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 03:25	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 03:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 03:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 03:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 03:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 03:25	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 03:25	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 03:25	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 03:25	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 03:25	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 03:25	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 03:25	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		10/01/22 03:25	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/01/22 03:25	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-32**      **Lab ID: 92628467030**      Collected: 09/28/22 14:06      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	125	25.6	5		10/04/22 00:49	67-64-1	
Acrolein	ND	ug/L	50.0	42.3	5		10/04/22 00:49	107-02-8	
Acrylonitrile	ND	ug/L	50.0	9.2	5		10/04/22 00:49	107-13-1	
tert-Amyl Alcohol	<b>702</b>	ug/L	500	182	5		10/04/22 00:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	13.3	5		10/04/22 00:49	994-05-8	
Benzene	<b>571</b>	ug/L	5.0	1.7	5		10/04/22 00:49	71-43-2	
Bromobenzene	ND	ug/L	5.0	1.4	5		10/04/22 00:49	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.3	5		10/04/22 00:49	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1.5	5		10/04/22 00:49	75-27-4	
Bromoform	ND	ug/L	5.0	1.7	5		10/04/22 00:49	75-25-2	
Bromomethane	ND	ug/L	10.0	8.3	5		10/04/22 00:49	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	500	260	5		10/04/22 00:49	624-95-3	
2-Butanone (MEK)	ND	ug/L	25.0	19.8	5		10/04/22 00:49	78-93-3	
tert-Butyl Alcohol	ND	ug/L	500	134	5		10/04/22 00:49	75-65-0	v2
tert-Butyl Formate	ND	ug/L	250	147	5		10/04/22 00:49	762-75-4	v3
Carbon tetrachloride	ND	ug/L	5.0	1.7	5		10/04/22 00:49	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1.4	5		10/04/22 00:49	108-90-7	
Chloroethane	ND	ug/L	5.0	3.2	5		10/04/22 00:49	75-00-3	
Chloroform	ND	ug/L	5.0	2.2	5		10/04/22 00:49	67-66-3	
Chloromethane	ND	ug/L	5.0	2.7	5		10/04/22 00:49	74-87-3	
2-Chlorotoluene	<b>2.0J</b>	ug/L	5.0	1.6	5		10/04/22 00:49	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1.6	5		10/04/22 00:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1.7	5		10/04/22 00:49	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1.8	5		10/04/22 00:49	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.0	5		10/04/22 00:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1.7	5		10/04/22 00:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1.7	5		10/04/22 00:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1.7	5		10/04/22 00:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1.7	5		10/04/22 00:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1.8	5		10/04/22 00:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		10/04/22 00:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1.7	5		10/04/22 00:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1.9	5		10/04/22 00:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.0	5		10/04/22 00:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1.8	5		10/04/22 00:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1.4	5		10/04/22 00:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1.9	5		10/04/22 00:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	2.1	5		10/04/22 00:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		10/04/22 00:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1.8	5		10/04/22 00:49	10061-02-6	
Diisopropyl ether	ND	ug/L	5.0	1.5	5		10/04/22 00:49	108-20-3	
Ethanol	ND	ug/L	1000	361	5		10/04/22 00:49	64-17-5	
Ethylbenzene	<b>11.9</b>	ug/L	5.0	1.5	5		10/04/22 00:49	100-41-4	
Ethyl-tert-butyl ether	<b>18.9J</b>	ug/L	50.0	16.2	5		10/04/22 00:49	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	7.6	5		10/04/22 00:49	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-32**      **Lab ID: 92628467030**      Collected: 09/28/22 14:06      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	5.0	3.7	5		10/04/22 00:49	110-54-3	
2-Hexanone	ND	ug/L	25.0	2.4	5		10/04/22 00:49	591-78-6	
p-Isopropyltoluene	ND	ug/L	5.0	2.1	5		10/04/22 00:49	99-87-6	
Methylene Chloride	ND	ug/L	25.0	9.8	5		10/04/22 00:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	13.6	5		10/04/22 00:49	108-10-1	
Methyl-tert-butyl ether	<b>9.0</b>	ug/L	5.0	2.1	5		10/04/22 00:49	1634-04-4	
Naphthalene	<b>5.1</b>	ug/L	5.0	3.2	5		10/04/22 00:49	91-20-3	
Styrene	ND	ug/L	5.0	1.5	5		10/04/22 00:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1.6	5		10/04/22 00:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	5		10/04/22 00:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1.5	5		10/04/22 00:49	127-18-4	
Toluene	<b>5.3</b>	ug/L	5.0	2.4	5		10/04/22 00:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	4.0	5		10/04/22 00:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	3.2	5		10/04/22 00:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1.7	5		10/04/22 00:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1.6	5		10/04/22 00:49	79-00-5	
Trichloroethene	ND	ug/L	5.0	1.9	5		10/04/22 00:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1.5	5		10/04/22 00:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1.3	5		10/04/22 00:49	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	5		10/04/22 00:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1.7	5		10/04/22 00:49	108-67-8	
Vinyl acetate	ND	ug/L	10.0	6.6	5		10/04/22 00:49	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1.9	5		10/04/22 00:49	75-01-4	
Xylene (Total)	<b>18.3</b>	ug/L	5.0	1.7	5		10/04/22 00:49	1330-20-7	
m&p-Xylene	<b>11.3</b>	ug/L	10.0	3.5	5		10/04/22 00:49	179601-23-1	
o-Xylene	<b>7.0</b>	ug/L	5.0	1.7	5		10/04/22 00:49	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		5		10/04/22 00:49	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		5		10/04/22 00:49	17060-07-0	
Toluene-d8 (S)	99	%	70-130		5		10/04/22 00:49	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-33**      **Lab ID: 92628467031**      Collected: 09/28/22 10:42      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	10000	2040	400		10/05/22 13:14	67-64-1	
Acrolein	ND	ug/L	4000	3380	400		10/05/22 13:14	107-02-8	
Acrylonitrile	ND	ug/L	4000	740	400		10/05/22 13:14	107-13-1	
tert-Amyl Alcohol	ND	ug/L	40000	14600	400		10/05/22 13:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	4000	1060	400		10/05/22 13:14	994-05-8	
Benzene	<b>12100</b>	ug/L	400	138	400		10/05/22 13:14	71-43-2	
Bromobenzene	ND	ug/L	400	116	400		10/05/22 13:14	108-86-1	
Bromochloromethane	ND	ug/L	400	187	400		10/05/22 13:14	74-97-5	
Bromodichloromethane	ND	ug/L	400	123	400		10/05/22 13:14	75-27-4	
Bromoform	ND	ug/L	400	136	400		10/05/22 13:14	75-25-2	
Bromomethane	ND	ug/L	800	664	400		10/05/22 13:14	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	40000	20800	400		10/05/22 13:14	624-95-3	
2-Butanone (MEK)	ND	ug/L	2000	1580	400		10/05/22 13:14	78-93-3	
tert-Butyl Alcohol	ND	ug/L	40000	10700	400		10/05/22 13:14	75-65-0	
tert-Butyl Formate	ND	ug/L	20000	11800	400		10/05/22 13:14	762-75-4	
Carbon tetrachloride	ND	ug/L	400	133	400		10/05/22 13:14	56-23-5	
Chlorobenzene	ND	ug/L	400	114	400		10/05/22 13:14	108-90-7	
Chloroethane	ND	ug/L	400	260	400		10/05/22 13:14	75-00-3	v2
Chloroform	ND	ug/L	400	172	400		10/05/22 13:14	67-66-3	
Chloromethane	ND	ug/L	400	216	400		10/05/22 13:14	74-87-3	v2
2-Chlorotoluene	ND	ug/L	400	128	400		10/05/22 13:14	95-49-8	
4-Chlorotoluene	ND	ug/L	400	130	400		10/05/22 13:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	800	136	400		10/05/22 13:14	96-12-8	
Dibromochloromethane	ND	ug/L	400	144	400		10/05/22 13:14	124-48-1	
Dibromomethane	ND	ug/L	400	158	400		10/05/22 13:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	400	136	400		10/05/22 13:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	400	136	400		10/05/22 13:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	400	133	400		10/05/22 13:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	400	138	400		10/05/22 13:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	400	147	400		10/05/22 13:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	400	129	400		10/05/22 13:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	400	139	400		10/05/22 13:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	400	154	400		10/05/22 13:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	400	158	400		10/05/22 13:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	400	142	400		10/05/22 13:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	400	114	400		10/05/22 13:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	400	155	400		10/05/22 13:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	400	171	400		10/05/22 13:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	400	146	400		10/05/22 13:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	400	145	400		10/05/22 13:14	10061-02-6	
Diisopropyl ether	ND	ug/L	400	123	400		10/05/22 13:14	108-20-3	
Ethanol	ND	ug/L	80000	28900	400		10/05/22 13:14	64-17-5	
Ethylbenzene	<b>3770</b>	ug/L	400	122	400		10/05/22 13:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	4000	1300	400		10/05/22 13:14	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	800	612	400		10/05/22 13:14	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 MW-33**      **Lab ID: 92628467031**      Collected: 09/28/22 10:42      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	<b>448</b>	ug/L	400	293	400		10/05/22 13:14	110-54-3	
2-Hexanone	ND	ug/L	2000	190	400		10/05/22 13:14	591-78-6	
p-Isopropyltoluene	ND	ug/L	400	166	400		10/05/22 13:14	99-87-6	
Methylene Chloride	ND	ug/L	2000	780	400		10/05/22 13:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2000	1080	400		10/05/22 13:14	108-10-1	
Methyl-tert-butyl ether	<b>217J</b>	ug/L	400	169	400		10/05/22 13:14	1634-04-4	
Naphthalene	<b>394J</b>	ug/L	400	258	400		10/05/22 13:14	91-20-3	
Styrene	ND	ug/L	400	117	400		10/05/22 13:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	400	124	400		10/05/22 13:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	400	90.0	400		10/05/22 13:14	79-34-5	
Tetrachloroethene	ND	ug/L	400	117	400		10/05/22 13:14	127-18-4	
Toluene	<b>46300</b>	ug/L	400	194	400		10/05/22 13:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	400	322	400		10/05/22 13:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	400	256	400		10/05/22 13:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	400	133	400		10/05/22 13:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	400	130	400		10/05/22 13:14	79-00-5	
Trichloroethene	ND	ug/L	400	153	400		10/05/22 13:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	400	119	400		10/05/22 13:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	400	104	400		10/05/22 13:14	96-18-4	
1,2,4-Trimethylbenzene	<b>2290</b>	ug/L	400	198	400		10/05/22 13:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	400	133	400		10/05/22 13:14	108-67-8	
Vinyl acetate	ND	ug/L	800	524	400		10/05/22 13:14	108-05-4	
Vinyl chloride	ND	ug/L	400	154	400		10/05/22 13:14	75-01-4	
Xylene (Total)	<b>19800</b>	ug/L	400	135	400		10/05/22 13:14	1330-20-7	
m&p-Xylene	<b>13400</b>	ug/L	800	284	400		10/05/22 13:14	179601-23-1	
o-Xylene	<b>6500</b>	ug/L	400	135	400		10/05/22 13:14	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		400		10/05/22 13:14	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		400		10/05/22 13:14	17060-07-0	
Toluene-d8 (S)	97	%	70-130		400		10/05/22 13:14	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-34**      **Lab ID: 92628467032**      Collected: 09/27/22 11:54      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 03:44	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 03:44	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 03:44	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 03:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 03:44	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 03:44	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 03:44	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 03:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 03:44	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 03:44	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 03:44	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 03:44	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 03:44	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 03:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 03:44	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 03:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 03:44	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 03:44	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 03:44	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 03:44	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 03:44	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 03:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 03:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 03:44	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 03:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 03:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 03:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 03:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 03:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 03:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 03:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 03:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 03:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 03:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 03:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 03:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 03:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 03:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 03:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 03:44	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 03:44	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 03:44	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 03:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 03:44	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 03:44	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-34**      **Lab ID: 92628467032**      Collected: 09/27/22 11:54      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 03:44	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 03:44	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 03:44	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 03:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 03:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 03:44	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 03:44	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 03:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 03:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 03:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 03:44	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 03:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 03:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 03:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 03:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 03:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 03:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 03:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 03:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 03:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 03:44	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 03:44	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 03:44	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 03:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 03:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 03:44	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 03:44	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		10/01/22 03:44	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/01/22 03:44	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-35**      **Lab ID: 92628467033**      Collected: 09/28/22 11:21      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	70.1	ug/L	25.0	5.1	1		10/01/22 04:02	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 04:02	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 04:02	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 04:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 04:02	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 04:02	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 04:02	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 04:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 04:02	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 04:02	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 04:02	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 04:02	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 04:02	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 04:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 04:02	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 04:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 04:02	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 04:02	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 04:02	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 04:02	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 04:02	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 04:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 04:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 04:02	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 04:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 04:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 04:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 04:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 04:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 04:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 04:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 04:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 04:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 04:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 04:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 04:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 04:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 04:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 04:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 04:02	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 04:02	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 04:02	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 04:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 04:02	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 04:02	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-35**      **Lab ID: 92628467033**      Collected: 09/28/22 11:21      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 04:02	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 04:02	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 04:02	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 04:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 04:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 04:02	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 04:02	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 04:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 04:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 04:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 04:02	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 04:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 04:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 04:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 04:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 04:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 04:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 04:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 04:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 04:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 04:02	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 04:02	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 04:02	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 04:02	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 04:02	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 04:02	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 04:02	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		10/01/22 04:02	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/01/22 04:02	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-36**      **Lab ID: 92628467034**      Collected: 09/28/22 16:00      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/03/22 23:37	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/03/22 23:37	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/03/22 23:37	107-13-1	
tert-Amyl Alcohol	<b>137</b>	ug/L	100	36.4	1		10/03/22 23:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/03/22 23:37	994-05-8	
Benzene	<b>1.2</b>	ug/L	1.0	0.34	1		10/03/22 23:37	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/03/22 23:37	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/03/22 23:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/03/22 23:37	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/03/22 23:37	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/03/22 23:37	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/03/22 23:37	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/03/22 23:37	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/03/22 23:37	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/03/22 23:37	762-75-4	v3
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/03/22 23:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/03/22 23:37	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/03/22 23:37	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/03/22 23:37	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/03/22 23:37	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/03/22 23:37	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/03/22 23:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/03/22 23:37	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/03/22 23:37	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/03/22 23:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/03/22 23:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/03/22 23:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/03/22 23:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/03/22 23:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/03/22 23:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/03/22 23:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/03/22 23:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/03/22 23:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/03/22 23:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/03/22 23:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/03/22 23:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/03/22 23:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/03/22 23:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/03/22 23:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/03/22 23:37	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/03/22 23:37	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/03/22 23:37	64-17-5	
Ethylbenzene	<b>2.8</b>	ug/L	1.0	0.30	1		10/03/22 23:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/03/22 23:37	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/03/22 23:37	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-36**      **Lab ID: 92628467034**      Collected: 09/28/22 16:00      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/03/22 23:37	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/03/22 23:37	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/03/22 23:37	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/03/22 23:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/03/22 23:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/03/22 23:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/03/22 23:37	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/03/22 23:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/03/22 23:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/03/22 23:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/03/22 23:37	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/03/22 23:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/03/22 23:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/03/22 23:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/03/22 23:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/03/22 23:37	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/03/22 23:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/03/22 23:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/03/22 23:37	96-18-4	
1,2,4-Trimethylbenzene	<b>3.8</b>	ug/L	1.0	0.50	1		10/03/22 23:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/03/22 23:37	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/03/22 23:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/03/22 23:37	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/03/22 23:37	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/03/22 23:37	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/03/22 23:37	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/03/22 23:37	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		10/03/22 23:37	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/03/22 23:37	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-38**      **Lab ID: 92628467035**      Collected: 09/27/22 14:59      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	10.5J	ug/L	25.0	5.1	1		10/01/22 09:02	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 09:02	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 09:02	107-13-1	
tert-Amyl Alcohol	58.5J	ug/L	100	36.4	1		10/01/22 09:02	75-85-4	
tert-Amylmethyl ether	10.5	ug/L	10.0	2.7	1		10/01/22 09:02	994-05-8	
Benzene	0.50J	ug/L	1.0	0.34	1		10/01/22 09:02	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 09:02	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 09:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 09:02	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 09:02	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 09:02	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 09:02	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 09:02	78-93-3	
tert-Butyl Alcohol	105	ug/L	100	26.8	1		10/01/22 09:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 09:02	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 09:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 09:02	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 09:02	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 09:02	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 09:02	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 09:02	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 09:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 09:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 09:02	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 09:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 09:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 09:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 09:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 09:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 09:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 09:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 09:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 09:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 09:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 09:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 09:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 09:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 09:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 09:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 09:02	10061-02-6	
Diisopropyl ether	1.5	ug/L	1.0	0.31	1		10/01/22 09:02	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 09:02	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 09:02	100-41-4	
Ethyl-tert-butyl ether	19.5	ug/L	10.0	3.2	1		10/01/22 09:02	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 09:02	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 MW-38**      **Lab ID: 92628467035**      Collected: 09/27/22 14:59      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 09:02	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 09:02	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 09:02	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 09:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 09:02	108-10-1	
Methyl-tert-butyl ether	<b>70.5</b>	ug/L	1.0	0.42	1		10/01/22 09:02	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 09:02	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 09:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 09:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 09:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 09:02	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 09:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 09:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 09:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 09:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 09:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 09:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 09:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 09:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 09:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 09:02	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 09:02	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 09:02	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 09:02	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 09:02	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 09:02	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/01/22 09:02	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		10/01/22 09:02	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/01/22 09:02	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 DMW-1**      **Lab ID: 92628467036**      Collected: 09/28/22 11:43      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 04:21	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 04:21	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 04:21	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 04:21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 04:21	994-05-8	
Benzene	<b>0.44J</b>	ug/L	1.0	0.34	1		10/01/22 04:21	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 04:21	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 04:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 04:21	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 04:21	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 04:21	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 04:21	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 04:21	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 04:21	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 04:21	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 04:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 04:21	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 04:21	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 04:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 04:21	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 04:21	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 04:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 04:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 04:21	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 04:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 04:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 04:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 04:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 04:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 04:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 04:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 04:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 04:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 04:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 04:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 04:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 04:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 04:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 04:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 04:21	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 04:21	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 04:21	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 04:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 04:21	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 04:21	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 DMW-1**      **Lab ID: 92628467036**      Collected: 09/28/22 11:43      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 04:21	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 04:21	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 04:21	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 04:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 04:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 04:21	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 04:21	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 04:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 04:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 04:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 04:21	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 04:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 04:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 04:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 04:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 04:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 04:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 04:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 04:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 04:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 04:21	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 04:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 04:21	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 04:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 04:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 04:21	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 04:21	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		10/01/22 04:21	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		10/01/22 04:21	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 DMW-2**      **Lab ID: 92628467037**      Collected: 09/27/22 11:21      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 04:40	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 04:40	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 04:40	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 04:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 04:40	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 04:40	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 04:40	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 04:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 04:40	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 04:40	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 04:40	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 04:40	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 04:40	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 04:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 04:40	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 04:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 04:40	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 04:40	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 04:40	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 04:40	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 04:40	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 04:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 04:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 04:40	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 04:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 04:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 04:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 04:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 04:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 04:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 04:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 04:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 04:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 04:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 04:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 04:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 04:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 04:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 04:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 04:40	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 04:40	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 04:40	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 04:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 04:40	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 04:40	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 DMW-2**      **Lab ID: 92628467037**      Collected: 09/27/22 11:21      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 04:40	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 04:40	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 04:40	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 04:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 04:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 04:40	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 04:40	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 04:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 04:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 04:40	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 04:40	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 04:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 04:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 04:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 04:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 04:40	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 04:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 04:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 04:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 04:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 04:40	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 04:40	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 04:40	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 04:40	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 04:40	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 04:40	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 04:40	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		10/01/22 04:40	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/01/22 04:40	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 DMW-3**      **Lab ID: 92628467038**      Collected: 09/27/22 15:28      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 04:58	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 04:58	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 04:58	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 04:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 04:58	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 04:58	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 04:58	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 04:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 04:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 04:58	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 04:58	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 04:58	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 04:58	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 04:58	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 04:58	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 04:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 04:58	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 04:58	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 04:58	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 04:58	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 04:58	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 04:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 04:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 04:58	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 04:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 04:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 04:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 04:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 04:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 04:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 04:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 04:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 04:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 04:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 04:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 04:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 04:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 04:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 04:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 04:58	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 04:58	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 04:58	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 04:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 04:58	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 04:58	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 DMW-3**      **Lab ID: 92628467038**      Collected: 09/27/22 15:28      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 04:58	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 04:58	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 04:58	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 04:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 04:58	108-10-1	
Methyl-tert-butyl ether	1.5	ug/L	1.0	0.42	1		10/01/22 04:58	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 04:58	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 04:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 04:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 04:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 04:58	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 04:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 04:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 04:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 04:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 04:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 04:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 04:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 04:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 04:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 04:58	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 04:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 04:58	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 04:58	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 04:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 04:58	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/01/22 04:58	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		10/01/22 04:58	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/01/22 04:58	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 DMW-4**      **Lab ID: 92628467039**      Collected: 09/27/22 11:44      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 05:17	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 05:17	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 05:17	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 05:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 05:17	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 05:17	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 05:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 05:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 05:17	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 05:17	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 05:17	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 05:17	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 05:17	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 05:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 05:17	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 05:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 05:17	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 05:17	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 05:17	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 05:17	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 05:17	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 05:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 05:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 05:17	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 05:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 05:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 05:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 05:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 05:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 05:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 05:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 05:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 05:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 05:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 05:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 05:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 05:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 05:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 05:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 05:17	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 05:17	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 05:17	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 05:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 05:17	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 05:17	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 DMW-4**      **Lab ID: 92628467039**      Collected: 09/27/22 11:44      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 05:17	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 05:17	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 05:17	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 05:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 05:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 05:17	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 05:17	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 05:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 05:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 05:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 05:17	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 05:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 05:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 05:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 05:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 05:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 05:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 05:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 05:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 05:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 05:17	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 05:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 05:17	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 05:17	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 05:17	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 05:17	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/01/22 05:17	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		10/01/22 05:17	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/01/22 05:17	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 DMW-5**      **Lab ID: 92628467040**      Collected: 09/27/22 12:39      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 05:36	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 05:36	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 05:36	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 05:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 05:36	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 05:36	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 05:36	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 05:36	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 05:36	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 05:36	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 05:36	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 05:36	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 05:36	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 05:36	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 05:36	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 05:36	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 05:36	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 05:36	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 05:36	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 05:36	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 05:36	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 05:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 05:36	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 05:36	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 05:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 05:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 05:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 05:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 05:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 05:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 05:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 05:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 05:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 05:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 05:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 05:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 05:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 05:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 05:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 05:36	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 05:36	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 05:36	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 05:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 05:36	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 05:36	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 DMW-5**      **Lab ID: 92628467040**      Collected: 09/27/22 12:39      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 05:36	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 05:36	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 05:36	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 05:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 05:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 05:36	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 05:36	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 05:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 05:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 05:36	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 05:36	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 05:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 05:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 05:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 05:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 05:36	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 05:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 05:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 05:36	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 05:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 05:36	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 05:36	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 05:36	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 05:36	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 05:36	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 05:36	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 05:36	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		10/01/22 05:36	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/01/22 05:36	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 RW-2**      **Lab ID: 92628467041**      Collected: 09/28/22 12:15      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	1250	256	50		10/05/22 12:00	67-64-1	
Acrolein	ND	ug/L	500	423	50		10/05/22 12:00	107-02-8	
Acrylonitrile	ND	ug/L	500	92.5	50		10/05/22 12:00	107-13-1	
tert-Amyl Alcohol	ND	ug/L	5000	1820	50		10/05/22 12:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		10/05/22 12:00	994-05-8	
Benzene	<b>2740</b>	ug/L	50.0	17.2	50		10/05/22 12:00	71-43-2	
Bromobenzene	ND	ug/L	50.0	14.5	50		10/05/22 12:00	108-86-1	
Bromochloromethane	ND	ug/L	50.0	23.4	50		10/05/22 12:00	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	15.4	50		10/05/22 12:00	75-27-4	
Bromoform	ND	ug/L	50.0	17.0	50		10/05/22 12:00	75-25-2	
Bromomethane	ND	ug/L	100	83.0	50		10/05/22 12:00	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		10/05/22 12:00	624-95-3	
2-Butanone (MEK)	ND	ug/L	250	198	50		10/05/22 12:00	78-93-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		10/05/22 12:00	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		10/05/22 12:00	762-75-4	
Carbon tetrachloride	ND	ug/L	50.0	16.6	50		10/05/22 12:00	56-23-5	
Chlorobenzene	ND	ug/L	50.0	14.2	50		10/05/22 12:00	108-90-7	
Chloroethane	ND	ug/L	50.0	32.4	50		10/05/22 12:00	75-00-3	v2
Chloroform	ND	ug/L	50.0	21.5	50		10/05/22 12:00	67-66-3	
Chloromethane	ND	ug/L	50.0	27.0	50		10/05/22 12:00	74-87-3	v2
2-Chlorotoluene	ND	ug/L	50.0	16.0	50		10/05/22 12:00	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	16.2	50		10/05/22 12:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	100	17.0	50		10/05/22 12:00	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	18.0	50		10/05/22 12:00	124-48-1	
Dibromomethane	ND	ug/L	50.0	19.7	50		10/05/22 12:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	17.0	50		10/05/22 12:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	17.0	50		10/05/22 12:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	16.6	50		10/05/22 12:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	17.3	50		10/05/22 12:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	18.4	50		10/05/22 12:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		10/05/22 12:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	17.4	50		10/05/22 12:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	19.2	50		10/05/22 12:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	19.8	50		10/05/22 12:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	17.8	50		10/05/22 12:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	14.2	50		10/05/22 12:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	50.0	19.4	50		10/05/22 12:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	21.4	50		10/05/22 12:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	50.0	18.2	50		10/05/22 12:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	18.2	50		10/05/22 12:00	10061-02-6	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		10/05/22 12:00	108-20-3	
Ethanol	<b>47200</b>	ug/L	10000	3610	50		10/05/22 12:00	64-17-5	
Ethylbenzene	<b>411</b>	ug/L	50.0	15.2	50		10/05/22 12:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		10/05/22 12:00	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	100	76.5	50		10/05/22 12:00	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 RW-2**      **Lab ID: 92628467041**      Collected: 09/28/22 12:15      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	88.6	ug/L	50.0	36.6	50		10/05/22 12:00	110-54-3	
2-Hexanone	ND	ug/L	250	23.8	50		10/05/22 12:00	591-78-6	
p-Isopropyltoluene	ND	ug/L	50.0	20.7	50		10/05/22 12:00	99-87-6	
Methylene Chloride	ND	ug/L	250	97.5	50		10/05/22 12:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	136	50		10/05/22 12:00	108-10-1	
Methyl-tert-butyl ether	166	ug/L	50.0	21.1	50		10/05/22 12:00	1634-04-4	
Naphthalene	128	ug/L	50.0	32.2	50		10/05/22 12:00	91-20-3	
Styrene	ND	ug/L	50.0	14.6	50		10/05/22 12:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	15.6	50		10/05/22 12:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	11.2	50		10/05/22 12:00	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	14.6	50		10/05/22 12:00	127-18-4	
Toluene	6050	ug/L	50.0	24.2	50		10/05/22 12:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	40.3	50		10/05/22 12:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	32.0	50		10/05/22 12:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	16.6	50		10/05/22 12:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	16.2	50		10/05/22 12:00	79-00-5	
Trichloroethene	ND	ug/L	50.0	19.2	50		10/05/22 12:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	14.9	50		10/05/22 12:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	50.0	13.0	50		10/05/22 12:00	96-18-4	
1,2,4-Trimethylbenzene	647	ug/L	50.0	24.8	50		10/05/22 12:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	50.0	16.6	50		10/05/22 12:00	108-67-8	
Vinyl acetate	ND	ug/L	100	65.5	50		10/05/22 12:00	108-05-4	
Vinyl chloride	ND	ug/L	50.0	19.3	50		10/05/22 12:00	75-01-4	
Xylene (Total)	2190	ug/L	50.0	16.9	50		10/05/22 12:00	1330-20-7	
m&p-Xylene	1410	ug/L	100	35.4	50		10/05/22 12:00	179601-23-1	
o-Xylene	778	ug/L	50.0	16.9	50		10/05/22 12:00	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		50		10/05/22 12:00	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		50		10/05/22 12:00	17060-07-0	
Toluene-d8 (S)	100	%	70-130		50		10/05/22 12:00	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 RW-3**      **Lab ID: 92628467042**      Collected: 09/28/22 12:43      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	5000	1020	200		10/03/22 02:42	67-64-1	
Acrolein	ND	ug/L	2000	1690	200		10/03/22 02:42	107-02-8	
Acrylonitrile	ND	ug/L	2000	370	200		10/03/22 02:42	107-13-1	
tert-Amyl Alcohol	<b>22100</b>	ug/L	20000	7280	200		10/03/22 02:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		10/03/22 02:42	994-05-8	
Benzene	<b>5890</b>	ug/L	200	69.0	200		10/03/22 02:42	71-43-2	
Bromobenzene	ND	ug/L	200	58.0	200		10/03/22 02:42	108-86-1	
Bromochloromethane	ND	ug/L	200	93.6	200		10/03/22 02:42	74-97-5	
Bromodichloromethane	ND	ug/L	200	61.4	200		10/03/22 02:42	75-27-4	
Bromoform	ND	ug/L	200	68.2	200		10/03/22 02:42	75-25-2	
Bromomethane	ND	ug/L	400	332	200		10/03/22 02:42	74-83-9	v2,v3
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		10/03/22 02:42	624-95-3	
2-Butanone (MEK)	ND	ug/L	1000	792	200		10/03/22 02:42	78-93-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		10/03/22 02:42	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		10/03/22 02:42	762-75-4	
Carbon tetrachloride	ND	ug/L	200	66.6	200		10/03/22 02:42	56-23-5	
Chlorobenzene	ND	ug/L	200	56.8	200		10/03/22 02:42	108-90-7	
Chloroethane	ND	ug/L	200	130	200		10/03/22 02:42	75-00-3	v2
Chloroform	ND	ug/L	200	86.0	200		10/03/22 02:42	67-66-3	
Chloromethane	ND	ug/L	200	108	200		10/03/22 02:42	74-87-3	v3
2-Chlorotoluene	ND	ug/L	200	64.2	200		10/03/22 02:42	95-49-8	R1
4-Chlorotoluene	ND	ug/L	200	64.8	200		10/03/22 02:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	400	68.0	200		10/03/22 02:42	96-12-8	
Dibromochloromethane	ND	ug/L	200	71.8	200		10/03/22 02:42	124-48-1	
Dibromomethane	ND	ug/L	200	78.8	200		10/03/22 02:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	200	67.8	200		10/03/22 02:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	200	68.0	200		10/03/22 02:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	200	66.6	200		10/03/22 02:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	200	69.2	200		10/03/22 02:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	200	73.4	200		10/03/22 02:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		10/03/22 02:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	200	69.6	200		10/03/22 02:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	200	76.8	200		10/03/22 02:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	200	79.2	200		10/03/22 02:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	200	71.0	200		10/03/22 02:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	200	56.8	200		10/03/22 02:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	77.6	200		10/03/22 02:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	200	85.4	200		10/03/22 02:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	73.0	200		10/03/22 02:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	72.6	200		10/03/22 02:42	10061-02-6	
Diisopropyl ether	ND	ug/L	200	61.6	200		10/03/22 02:42	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		10/03/22 02:42	64-17-5	
Ethylbenzene	<b>3510</b>	ug/L	200	60.8	200		10/03/22 02:42	100-41-4	M1,R1
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		10/03/22 02:42	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	400	306	200		10/03/22 02:42	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 RW-3**      **Lab ID: 92628467042**      Collected: 09/28/22 12:43      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	<b>149J</b>	ug/L	200	147	200		10/03/22 02:42	110-54-3	
2-Hexanone	ND	ug/L	1000	95.2	200		10/03/22 02:42	591-78-6	
p-Isopropyltoluene	ND	ug/L	200	82.8	200		10/03/22 02:42	99-87-6	
Methylene Chloride	ND	ug/L	1000	390	200		10/03/22 02:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1000	542	200		10/03/22 02:42	108-10-1	
Methyl-tert-butyl ether	<b>117J</b>	ug/L	200	84.4	200		10/03/22 02:42	1634-04-4	
Naphthalene	<b>396</b>	ug/L	200	129	200		10/03/22 02:42	91-20-3	M1,R1
Styrene	ND	ug/L	200	58.4	200		10/03/22 02:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	200	62.2	200		10/03/22 02:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	200	45.0	200		10/03/22 02:42	79-34-5	
Tetrachloroethene	ND	ug/L	200	58.4	200		10/03/22 02:42	127-18-4	
Toluene	<b>28700</b>	ug/L	200	97.0	200		10/03/22 02:42	108-88-3	M1
1,2,3-Trichlorobenzene	ND	ug/L	200	161	200		10/03/22 02:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	200	128	200		10/03/22 02:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	200	66.4	200		10/03/22 02:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	200	65.0	200		10/03/22 02:42	79-00-5	
Trichloroethene	ND	ug/L	200	76.6	200		10/03/22 02:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	200	59.6	200		10/03/22 02:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	200	52.2	200		10/03/22 02:42	96-18-4	
1,2,4-Trimethylbenzene	<b>2880</b>	ug/L	200	99.0	200		10/03/22 02:42	95-63-6	M1
1,3,5-Trimethylbenzene	ND	ug/L	200	66.4	200		10/03/22 02:42	108-67-8	M1,R1
Vinyl acetate	ND	ug/L	400	262	200		10/03/22 02:42	108-05-4	
Vinyl chloride	ND	ug/L	200	77.2	200		10/03/22 02:42	75-01-4	
Xylene (Total)	<b>21300</b>	ug/L	200	67.6	200		10/03/22 02:42	1330-20-7	MS,RS
m&p-Xylene	<b>13800</b>	ug/L	400	142	200		10/03/22 02:42	179601-23-1	M1,R1
o-Xylene	<b>7480</b>	ug/L	200	67.6	200		10/03/22 02:42	95-47-6	M1,R1
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		200		10/03/22 02:42	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		200		10/03/22 02:42	17060-07-0	
Toluene-d8 (S)	100	%	70-130		200		10/03/22 02:42	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 RW-4**      **Lab ID: 92628467043**      Collected: 09/28/22 13:56      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	396	ug/L	100	20.4	4		10/04/22 00:31	67-64-1	
Acrolein	ND	ug/L	40.0	33.8	4		10/04/22 00:31	107-02-8	
Acrylonitrile	ND	ug/L	40.0	7.4	4		10/04/22 00:31	107-13-1	
tert-Amyl Alcohol	ND	ug/L	400	146	4		10/04/22 00:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	40.0	10.6	4		10/04/22 00:31	994-05-8	
Benzene	11.1	ug/L	4.0	1.4	4		10/04/22 00:31	71-43-2	
Bromobenzene	ND	ug/L	4.0	1.2	4		10/04/22 00:31	108-86-1	
Bromochloromethane	ND	ug/L	4.0	1.9	4		10/04/22 00:31	74-97-5	
Bromodichloromethane	ND	ug/L	4.0	1.2	4		10/04/22 00:31	75-27-4	
Bromoform	ND	ug/L	4.0	1.4	4		10/04/22 00:31	75-25-2	
Bromomethane	ND	ug/L	8.0	6.6	4		10/04/22 00:31	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	400	208	4		10/04/22 00:31	624-95-3	
2-Butanone (MEK)	ND	ug/L	20.0	15.8	4		10/04/22 00:31	78-93-3	
tert-Butyl Alcohol	ND	ug/L	400	107	4		10/04/22 00:31	75-65-0	v2
tert-Butyl Formate	ND	ug/L	200	118	4		10/04/22 00:31	762-75-4	v2
Carbon tetrachloride	ND	ug/L	4.0	1.3	4		10/04/22 00:31	56-23-5	
Chlorobenzene	ND	ug/L	4.0	1.1	4		10/04/22 00:31	108-90-7	
Chloroethane	ND	ug/L	4.0	2.6	4		10/04/22 00:31	75-00-3	
Chloroform	ND	ug/L	4.0	1.7	4		10/04/22 00:31	67-66-3	
Chloromethane	ND	ug/L	4.0	2.2	4		10/04/22 00:31	74-87-3	
2-Chlorotoluene	ND	ug/L	4.0	1.3	4		10/04/22 00:31	95-49-8	
4-Chlorotoluene	ND	ug/L	4.0	1.3	4		10/04/22 00:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	1.4	4		10/04/22 00:31	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1.4	4		10/04/22 00:31	124-48-1	
Dibromomethane	ND	ug/L	4.0	1.6	4		10/04/22 00:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	4.0	1.4	4		10/04/22 00:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	4.0	1.4	4		10/04/22 00:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	4.0	1.3	4		10/04/22 00:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	4.0	1.4	4		10/04/22 00:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	4.0	1.5	4		10/04/22 00:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	4.0	1.3	4		10/04/22 00:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	4.0	1.4	4		10/04/22 00:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	4.0	1.5	4		10/04/22 00:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1.6	4		10/04/22 00:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	4.0	1.4	4		10/04/22 00:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	4.0	1.1	4		10/04/22 00:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1.6	4		10/04/22 00:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	4.0	1.7	4		10/04/22 00:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1.5	4		10/04/22 00:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1.5	4		10/04/22 00:31	10061-02-6	
Diisopropyl ether	ND	ug/L	4.0	1.2	4		10/04/22 00:31	108-20-3	
Ethanol	ND	ug/L	800	289	4		10/04/22 00:31	64-17-5	
Ethylbenzene	ND	ug/L	4.0	1.2	4		10/04/22 00:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	40.0	13.0	4		10/04/22 00:31	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	8.0	6.1	4		10/04/22 00:31	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 RW-4**      **Lab ID: 92628467043**      Collected: 09/28/22 13:56      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	4.0	2.9	4		10/04/22 00:31	110-54-3	
2-Hexanone	ND	ug/L	20.0	1.9	4		10/04/22 00:31	591-78-6	
p-Isopropyltoluene	ND	ug/L	4.0	1.7	4		10/04/22 00:31	99-87-6	
Methylene Chloride	ND	ug/L	20.0	7.8	4		10/04/22 00:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	10.8	4		10/04/22 00:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1.7	4		10/04/22 00:31	1634-04-4	
Naphthalene	ND	ug/L	4.0	2.6	4		10/04/22 00:31	91-20-3	
Styrene	ND	ug/L	4.0	1.2	4		10/04/22 00:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	4.0	1.2	4		10/04/22 00:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	4.0	0.90	4		10/04/22 00:31	79-34-5	
Tetrachloroethene	ND	ug/L	4.0	1.2	4		10/04/22 00:31	127-18-4	
Toluene	ND	ug/L	4.0	1.9	4		10/04/22 00:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	4.0	3.2	4		10/04/22 00:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	4.0	2.6	4		10/04/22 00:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	4.0	1.3	4		10/04/22 00:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	4.0	1.3	4		10/04/22 00:31	79-00-5	
Trichloroethene	ND	ug/L	4.0	1.5	4		10/04/22 00:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	1.2	4		10/04/22 00:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1.0	4		10/04/22 00:31	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	4.0	2.0	4		10/04/22 00:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	4.0	1.3	4		10/04/22 00:31	108-67-8	
Vinyl acetate	ND	ug/L	8.0	5.2	4		10/04/22 00:31	108-05-4	
Vinyl chloride	ND	ug/L	4.0	1.5	4		10/04/22 00:31	75-01-4	
Xylene (Total)	ND	ug/L	4.0	1.4	4		10/04/22 00:31	1330-20-7	
m&p-Xylene	ND	ug/L	8.0	2.8	4		10/04/22 00:31	179601-23-1	
o-Xylene	ND	ug/L	4.0	1.4	4		10/04/22 00:31	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		4		10/04/22 00:31	460-00-4	D3
1,2-Dichloroethane-d4 (S)	95	%	70-130		4		10/04/22 00:31	17060-07-0	
Toluene-d8 (S)	102	%	70-130		4		10/04/22 00:31	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 RW-7**      **Lab ID: 92628467044**      Collected: 09/28/22 10:11      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	5000	1020	200		10/03/22 03:00	67-64-1	
Acrolein	ND	ug/L	2000	1690	200		10/03/22 03:00	107-02-8	
Acrylonitrile	ND	ug/L	2000	370	200		10/03/22 03:00	107-13-1	
tert-Amyl Alcohol	<b>22300</b>	ug/L	20000	7280	200		10/03/22 03:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		10/03/22 03:00	994-05-8	
Benzene	<b>12300</b>	ug/L	200	69.0	200		10/03/22 03:00	71-43-2	
Bromobenzene	ND	ug/L	200	58.0	200		10/03/22 03:00	108-86-1	
Bromochloromethane	ND	ug/L	200	93.6	200		10/03/22 03:00	74-97-5	
Bromodichloromethane	ND	ug/L	200	61.4	200		10/03/22 03:00	75-27-4	
Bromoform	ND	ug/L	200	68.2	200		10/03/22 03:00	75-25-2	
Bromomethane	ND	ug/L	400	332	200		10/03/22 03:00	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		10/03/22 03:00	624-95-3	
2-Butanone (MEK)	ND	ug/L	1000	792	200		10/03/22 03:00	78-93-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		10/03/22 03:00	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		10/03/22 03:00	762-75-4	
Carbon tetrachloride	ND	ug/L	200	66.6	200		10/03/22 03:00	56-23-5	
Chlorobenzene	ND	ug/L	200	56.8	200		10/03/22 03:00	108-90-7	
Chloroethane	ND	ug/L	200	130	200		10/03/22 03:00	75-00-3	v2
Chloroform	ND	ug/L	200	86.0	200		10/03/22 03:00	67-66-3	
Chloromethane	ND	ug/L	200	108	200		10/03/22 03:00	74-87-3	
2-Chlorotoluene	ND	ug/L	200	64.2	200		10/03/22 03:00	95-49-8	
4-Chlorotoluene	ND	ug/L	200	64.8	200		10/03/22 03:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	400	68.0	200		10/03/22 03:00	96-12-8	
Dibromochloromethane	ND	ug/L	200	71.8	200		10/03/22 03:00	124-48-1	
Dibromomethane	ND	ug/L	200	78.8	200		10/03/22 03:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	200	67.8	200		10/03/22 03:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	200	68.0	200		10/03/22 03:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	200	66.6	200		10/03/22 03:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	200	69.2	200		10/03/22 03:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	200	73.4	200		10/03/22 03:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		10/03/22 03:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	200	69.6	200		10/03/22 03:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	200	76.8	200		10/03/22 03:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	200	79.2	200		10/03/22 03:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	200	71.0	200		10/03/22 03:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	200	56.8	200		10/03/22 03:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	77.6	200		10/03/22 03:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	200	85.4	200		10/03/22 03:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	73.0	200		10/03/22 03:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	72.6	200		10/03/22 03:00	10061-02-6	
Diisopropyl ether	ND	ug/L	200	61.6	200		10/03/22 03:00	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		10/03/22 03:00	64-17-5	
Ethylbenzene	<b>1250</b>	ug/L	200	60.8	200		10/03/22 03:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		10/03/22 03:00	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	400	306	200		10/03/22 03:00	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 RW-7**      **Lab ID: 92628467044**      Collected: 09/28/22 10:11      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	<b>186J</b>	ug/L	200	147	200		10/03/22 03:00	110-54-3	
2-Hexanone	ND	ug/L	1000	95.2	200		10/03/22 03:00	591-78-6	
p-Isopropyltoluene	ND	ug/L	200	82.8	200		10/03/22 03:00	99-87-6	
Methylene Chloride	ND	ug/L	1000	390	200		10/03/22 03:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1000	542	200		10/03/22 03:00	108-10-1	
Methyl-tert-butyl ether	<b>229</b>	ug/L	200	84.4	200		10/03/22 03:00	1634-04-4	
Naphthalene	<b>179J</b>	ug/L	200	129	200		10/03/22 03:00	91-20-3	
Styrene	ND	ug/L	200	58.4	200		10/03/22 03:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	200	62.2	200		10/03/22 03:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	200	45.0	200		10/03/22 03:00	79-34-5	
Tetrachloroethene	ND	ug/L	200	58.4	200		10/03/22 03:00	127-18-4	
Toluene	<b>23800</b>	ug/L	200	97.0	200		10/03/22 03:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	200	161	200		10/03/22 03:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	200	128	200		10/03/22 03:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	200	66.4	200		10/03/22 03:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	200	65.0	200		10/03/22 03:00	79-00-5	
Trichloroethene	ND	ug/L	200	76.6	200		10/03/22 03:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	200	59.6	200		10/03/22 03:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	200	52.2	200		10/03/22 03:00	96-18-4	
1,2,4-Trimethylbenzene	<b>1600</b>	ug/L	200	99.0	200		10/03/22 03:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	200	66.4	200		10/03/22 03:00	108-67-8	
Vinyl acetate	ND	ug/L	400	262	200		10/03/22 03:00	108-05-4	
Vinyl chloride	ND	ug/L	200	77.2	200		10/03/22 03:00	75-01-4	
Xylene (Total)	<b>11600</b>	ug/L	200	67.6	200		10/03/22 03:00	1330-20-7	
m&p-Xylene	<b>7310</b>	ug/L	400	142	200		10/03/22 03:00	179601-23-1	
o-Xylene	<b>4260</b>	ug/L	200	67.6	200		10/03/22 03:00	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		200		10/03/22 03:00	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		200		10/03/22 03:00	17060-07-0	
Toluene-d8 (S)	100	%	70-130		200		10/03/22 03:00	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 RW-8**      **Lab ID: 92628467045**      Collected: 09/28/22 15:17      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	625	128	25		10/05/22 11:23	67-64-1	
Acrolein	ND	ug/L	250	212	25		10/05/22 11:23	107-02-8	
Acrylonitrile	ND	ug/L	250	46.2	25		10/05/22 11:23	107-13-1	
tert-Amyl Alcohol	<b>12400</b>	ug/L	2500	910	25		10/05/22 11:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	66.5	25		10/05/22 11:23	994-05-8	
Benzene	<b>3050</b>	ug/L	25.0	8.6	25		10/05/22 11:23	71-43-2	
Bromobenzene	ND	ug/L	25.0	7.2	25		10/05/22 11:23	108-86-1	
Bromochloromethane	ND	ug/L	25.0	11.7	25		10/05/22 11:23	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	7.7	25		10/05/22 11:23	75-27-4	
Bromoform	ND	ug/L	25.0	8.5	25		10/05/22 11:23	75-25-2	
Bromomethane	ND	ug/L	50.0	41.5	25		10/05/22 11:23	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1300	25		10/05/22 11:23	624-95-3	
2-Butanone (MEK)	ND	ug/L	125	99.0	25		10/05/22 11:23	78-93-3	
tert-Butyl Alcohol	<b>738J</b>	ug/L	2500	670	25		10/05/22 11:23	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	735	25		10/05/22 11:23	762-75-4	
Carbon tetrachloride	ND	ug/L	25.0	8.3	25		10/05/22 11:23	56-23-5	
Chlorobenzene	ND	ug/L	25.0	7.1	25		10/05/22 11:23	108-90-7	
Chloroethane	ND	ug/L	25.0	16.2	25		10/05/22 11:23	75-00-3	v2
Chloroform	ND	ug/L	25.0	10.8	25		10/05/22 11:23	67-66-3	
Chloromethane	ND	ug/L	25.0	13.5	25		10/05/22 11:23	74-87-3	v2
2-Chlorotoluene	ND	ug/L	25.0	8.0	25		10/05/22 11:23	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	8.1	25		10/05/22 11:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	8.5	25		10/05/22 11:23	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	9.0	25		10/05/22 11:23	124-48-1	
Dibromomethane	ND	ug/L	25.0	9.8	25		10/05/22 11:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	8.5	25		10/05/22 11:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	8.5	25		10/05/22 11:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	8.3	25		10/05/22 11:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	8.6	25		10/05/22 11:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	9.2	25		10/05/22 11:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	8.0	25		10/05/22 11:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	8.7	25		10/05/22 11:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	25.0	9.6	25		10/05/22 11:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	9.9	25		10/05/22 11:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	8.9	25		10/05/22 11:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	7.1	25		10/05/22 11:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	25.0	9.7	25		10/05/22 11:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	10.7	25		10/05/22 11:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	25.0	9.1	25		10/05/22 11:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	9.1	25		10/05/22 11:23	10061-02-6	
Diisopropyl ether	ND	ug/L	25.0	7.7	25		10/05/22 11:23	108-20-3	
Ethanol	ND	ug/L	5000	1800	25		10/05/22 11:23	64-17-5	
Ethylbenzene	<b>881</b>	ug/L	25.0	7.6	25		10/05/22 11:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	81.0	25		10/05/22 11:23	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	50.0	38.2	25		10/05/22 11:23	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 RW-8**      **Lab ID: 92628467045**      Collected: 09/28/22 15:17      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	178	ug/L	25.0	18.3	25		10/05/22 11:23	110-54-3	
2-Hexanone	ND	ug/L	125	11.9	25		10/05/22 11:23	591-78-6	
p-Isopropyltoluene	ND	ug/L	25.0	10.4	25		10/05/22 11:23	99-87-6	
Methylene Chloride	ND	ug/L	125	48.8	25		10/05/22 11:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	67.8	25		10/05/22 11:23	108-10-1	
Methyl-tert-butyl ether	136	ug/L	25.0	10.6	25		10/05/22 11:23	1634-04-4	
Naphthalene	140	ug/L	25.0	16.1	25		10/05/22 11:23	91-20-3	
Styrene	ND	ug/L	25.0	7.3	25		10/05/22 11:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	7.8	25		10/05/22 11:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5.6	25		10/05/22 11:23	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	7.3	25		10/05/22 11:23	127-18-4	
Toluene	4360	ug/L	25.0	12.1	25		10/05/22 11:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	25.0	20.2	25		10/05/22 11:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	16.0	25		10/05/22 11:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	8.3	25		10/05/22 11:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	8.1	25		10/05/22 11:23	79-00-5	
Trichloroethene	ND	ug/L	25.0	9.6	25		10/05/22 11:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	7.4	25		10/05/22 11:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	6.5	25		10/05/22 11:23	96-18-4	
1,2,4-Trimethylbenzene	1240	ug/L	25.0	12.4	25		10/05/22 11:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	25.0	8.3	25		10/05/22 11:23	108-67-8	
Vinyl acetate	ND	ug/L	50.0	32.8	25		10/05/22 11:23	108-05-4	
Vinyl chloride	ND	ug/L	25.0	9.6	25		10/05/22 11:23	75-01-4	
Xylene (Total)	6290	ug/L	25.0	8.4	25		10/05/22 11:23	1330-20-7	
m&p-Xylene	4250	ug/L	50.0	17.7	25		10/05/22 11:23	179601-23-1	
o-Xylene	2030	ug/L	25.0	8.4	25		10/05/22 11:23	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		25		10/05/22 11:23	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		25		10/05/22 11:23	17060-07-0	
Toluene-d8 (S)	97	%	70-130		25		10/05/22 11:23	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

Sample: 01589 RW-10 Lab ID: 92628467046 Collected: 09/28/22 13:29 Received: 09/30/22 08:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	3120	639	125		10/05/22 12:55	67-64-1	
Acrolein	ND	ug/L	1250	1060	125		10/05/22 12:55	107-02-8	
Acrylonitrile	ND	ug/L	1250	231	125		10/05/22 12:55	107-13-1	
tert-Amyl Alcohol	22400	ug/L	12500	4550	125		10/05/22 12:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	332	125		10/05/22 12:55	994-05-8	
Benzene	6420	ug/L	125	43.1	125		10/05/22 12:55	71-43-2	
Bromobenzene	ND	ug/L	125	36.2	125		10/05/22 12:55	108-86-1	
Bromochloromethane	ND	ug/L	125	58.5	125		10/05/22 12:55	74-97-5	
Bromodichloromethane	ND	ug/L	125	38.4	125		10/05/22 12:55	75-27-4	
Bromoform	ND	ug/L	125	42.6	125		10/05/22 12:55	75-25-2	
Bromomethane	ND	ug/L	250	208	125		10/05/22 12:55	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6490	125		10/05/22 12:55	624-95-3	
2-Butanone (MEK)	ND	ug/L	625	495	125		10/05/22 12:55	78-93-3	
tert-Butyl Alcohol	ND	ug/L	12500	3350	125		10/05/22 12:55	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3680	125		10/05/22 12:55	762-75-4	
Carbon tetrachloride	ND	ug/L	125	41.6	125		10/05/22 12:55	56-23-5	
Chlorobenzene	ND	ug/L	125	35.5	125		10/05/22 12:55	108-90-7	
Chloroethane	ND	ug/L	125	81.1	125		10/05/22 12:55	75-00-3	v2
Chloroform	ND	ug/L	125	53.8	125		10/05/22 12:55	67-66-3	
Chloromethane	ND	ug/L	125	67.5	125		10/05/22 12:55	74-87-3	v2
2-Chlorotoluene	ND	ug/L	125	40.1	125		10/05/22 12:55	95-49-8	
4-Chlorotoluene	ND	ug/L	125	40.5	125		10/05/22 12:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	42.5	125		10/05/22 12:55	96-12-8	
Dibromochloromethane	ND	ug/L	125	44.9	125		10/05/22 12:55	124-48-1	
Dibromomethane	ND	ug/L	125	49.2	125		10/05/22 12:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	125	42.4	125		10/05/22 12:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	125	42.5	125		10/05/22 12:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	125	41.6	125		10/05/22 12:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	125	43.2	125		10/05/22 12:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	125	45.9	125		10/05/22 12:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	125	40.2	125		10/05/22 12:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	125	43.5	125		10/05/22 12:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	125	48.0	125		10/05/22 12:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	125	49.5	125		10/05/22 12:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	125	44.4	125		10/05/22 12:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	125	35.5	125		10/05/22 12:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	125	48.5	125		10/05/22 12:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	125	53.4	125		10/05/22 12:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	125	45.6	125		10/05/22 12:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	125	45.4	125		10/05/22 12:55	10061-02-6	
Diisopropyl ether	ND	ug/L	125	38.5	125		10/05/22 12:55	108-20-3	
Ethanol	ND	ug/L	25000	9020	125		10/05/22 12:55	64-17-5	
Ethylbenzene	1390	ug/L	125	38.0	125		10/05/22 12:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	405	125		10/05/22 12:55	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	250	191	125		10/05/22 12:55	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 RW-10**      **Lab ID: 92628467046**      Collected: 09/28/22 13:29      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	173	ug/L	125	91.6	125		10/05/22 12:55	110-54-3	
2-Hexanone	ND	ug/L	625	59.5	125		10/05/22 12:55	591-78-6	
p-Isopropyltoluene	ND	ug/L	125	51.8	125		10/05/22 12:55	99-87-6	
Methylene Chloride	ND	ug/L	625	244	125		10/05/22 12:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	625	339	125		10/05/22 12:55	108-10-1	
Methyl-tert-butyl ether	95.3J	ug/L	125	52.8	125		10/05/22 12:55	1634-04-4	
Naphthalene	329	ug/L	125	80.6	125		10/05/22 12:55	91-20-3	
Styrene	ND	ug/L	125	36.5	125		10/05/22 12:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	125	38.9	125		10/05/22 12:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	125	28.1	125		10/05/22 12:55	79-34-5	
Tetrachloroethene	ND	ug/L	125	36.5	125		10/05/22 12:55	127-18-4	
Toluene	17100	ug/L	125	60.6	125		10/05/22 12:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	125	101	125		10/05/22 12:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	125	79.9	125		10/05/22 12:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	125	41.5	125		10/05/22 12:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	125	40.6	125		10/05/22 12:55	79-00-5	
Trichloroethene	ND	ug/L	125	47.9	125		10/05/22 12:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	125	37.2	125		10/05/22 12:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	125	32.6	125		10/05/22 12:55	96-18-4	
1,2,4-Trimethylbenzene	1110	ug/L	125	61.9	125		10/05/22 12:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	125	41.5	125		10/05/22 12:55	108-67-8	
Vinyl acetate	ND	ug/L	250	164	125		10/05/22 12:55	108-05-4	
Vinyl chloride	ND	ug/L	125	48.2	125		10/05/22 12:55	75-01-4	
Xylene (Total)	7390	ug/L	125	42.2	125		10/05/22 12:55	1330-20-7	
m&p-Xylene	4810	ug/L	250	88.6	125		10/05/22 12:55	179601-23-1	
o-Xylene	2590	ug/L	125	42.2	125		10/05/22 12:55	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		125		10/05/22 12:55	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		125		10/05/22 12:55	17060-07-0	
Toluene-d8 (S)	100	%	70-130		125		10/05/22 12:55	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 RW-12**      **Lab ID: 92628467047**      Collected: 09/28/22 10:45      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	593J	ug/L	1250	256	50		10/03/22 03:36	67-64-1	
Acrolein	ND	ug/L	500	423	50		10/03/22 03:36	107-02-8	
Acrylonitrile	ND	ug/L	500	92.5	50		10/03/22 03:36	107-13-1	
tert-Amyl Alcohol	2060J	ug/L	5000	1820	50		10/03/22 03:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		10/03/22 03:36	994-05-8	
Benzene	2070	ug/L	50.0	17.2	50		10/03/22 03:36	71-43-2	
Bromobenzene	ND	ug/L	50.0	14.5	50		10/03/22 03:36	108-86-1	
Bromochloromethane	ND	ug/L	50.0	23.4	50		10/03/22 03:36	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	15.4	50		10/03/22 03:36	75-27-4	
Bromoform	ND	ug/L	50.0	17.0	50		10/03/22 03:36	75-25-2	
Bromomethane	ND	ug/L	100	83.0	50		10/03/22 03:36	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		10/03/22 03:36	624-95-3	
2-Butanone (MEK)	ND	ug/L	250	198	50		10/03/22 03:36	78-93-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		10/03/22 03:36	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		10/03/22 03:36	762-75-4	
Carbon tetrachloride	ND	ug/L	50.0	16.6	50		10/03/22 03:36	56-23-5	
Chlorobenzene	ND	ug/L	50.0	14.2	50		10/03/22 03:36	108-90-7	
Chloroethane	ND	ug/L	50.0	32.4	50		10/03/22 03:36	75-00-3	v2
Chloroform	ND	ug/L	50.0	21.5	50		10/03/22 03:36	67-66-3	
Chloromethane	ND	ug/L	50.0	27.0	50		10/03/22 03:36	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	16.0	50		10/03/22 03:36	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	16.2	50		10/03/22 03:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	100	17.0	50		10/03/22 03:36	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	18.0	50		10/03/22 03:36	124-48-1	
Dibromomethane	ND	ug/L	50.0	19.7	50		10/03/22 03:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	17.0	50		10/03/22 03:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	17.0	50		10/03/22 03:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	16.6	50		10/03/22 03:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	17.3	50		10/03/22 03:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	18.4	50		10/03/22 03:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		10/03/22 03:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	17.4	50		10/03/22 03:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	19.2	50		10/03/22 03:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	19.8	50		10/03/22 03:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	17.8	50		10/03/22 03:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	14.2	50		10/03/22 03:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	50.0	19.4	50		10/03/22 03:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	21.4	50		10/03/22 03:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	50.0	18.2	50		10/03/22 03:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	18.2	50		10/03/22 03:36	10061-02-6	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		10/03/22 03:36	108-20-3	
Ethanol	ND	ug/L	10000	3610	50		10/03/22 03:36	64-17-5	
Ethylbenzene	636	ug/L	50.0	15.2	50		10/03/22 03:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		10/03/22 03:36	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	100	76.5	50		10/03/22 03:36	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 RW-12**      **Lab ID: 92628467047**      Collected: 09/28/22 10:45      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	50.0	36.6	50		10/03/22 03:36	110-54-3	
2-Hexanone	ND	ug/L	250	23.8	50		10/03/22 03:36	591-78-6	
p-Isopropyltoluene	ND	ug/L	50.0	20.7	50		10/03/22 03:36	99-87-6	
Methylene Chloride	ND	ug/L	250	97.5	50		10/03/22 03:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	136	50		10/03/22 03:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	50.0	21.1	50		10/03/22 03:36	1634-04-4	
Naphthalene	<b>233</b>	ug/L	50.0	32.2	50		10/03/22 03:36	91-20-3	
Styrene	ND	ug/L	50.0	14.6	50		10/03/22 03:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	15.6	50		10/03/22 03:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	11.2	50		10/03/22 03:36	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	14.6	50		10/03/22 03:36	127-18-4	
Toluene	<b>9630</b>	ug/L	50.0	24.2	50		10/03/22 03:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	40.3	50		10/03/22 03:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	32.0	50		10/03/22 03:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	16.6	50		10/03/22 03:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	16.2	50		10/03/22 03:36	79-00-5	
Trichloroethene	ND	ug/L	50.0	19.2	50		10/03/22 03:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	14.9	50		10/03/22 03:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	50.0	13.0	50		10/03/22 03:36	96-18-4	
1,2,4-Trimethylbenzene	<b>1170</b>	ug/L	50.0	24.8	50		10/03/22 03:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	50.0	16.6	50		10/03/22 03:36	108-67-8	
Vinyl acetate	ND	ug/L	100	65.5	50		10/03/22 03:36	108-05-4	
Vinyl chloride	ND	ug/L	50.0	19.3	50		10/03/22 03:36	75-01-4	
Xylene (Total)	<b>10300</b>	ug/L	50.0	16.9	50		10/03/22 03:36	1330-20-7	
m&p-Xylene	<b>6000</b>	ug/L	100	35.4	50		10/03/22 03:36	179601-23-1	
o-Xylene	<b>4310</b>	ug/L	50.0	16.9	50		10/03/22 03:36	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		50		10/03/22 03:36	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		50		10/03/22 03:36	17060-07-0	
Toluene-d8 (S)	99	%	70-130		50		10/03/22 03:36	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 SW-2**      **Lab ID: 92628467048**      Collected: 09/28/22 17:40      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 06:13	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 06:13	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 06:13	107-13-1	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 06:13	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 06:13	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 06:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 06:13	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 06:13	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 06:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 06:13	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 06:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 06:13	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 06:13	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 06:13	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 06:13	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:13	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 06:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 06:13	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 06:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 06:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 06:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 06:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 06:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 06:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 06:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 06:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 06:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:13	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 06:13	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 06:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 06:13	87-68-3	
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 06:13	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 06:13	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 06:13	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 06:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 06:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 06:13	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 06:13	91-20-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 SW-2**      **Lab ID: 92628467048**      Collected: 09/28/22 17:40      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 06:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 06:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 06:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 06:13	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 06:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 06:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 06:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 06:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 06:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 06:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 06:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:13	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 06:13	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 06:13	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 06:13	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 06:13	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 06:13	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 06:13	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		10/01/22 06:13	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		10/01/22 06:13	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 SW-3**      **Lab ID: 92628467049**      Collected: 09/28/22 17:29      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 06:32	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 06:32	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 06:32	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 06:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 06:32	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 06:32	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 06:32	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 06:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 06:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 06:32	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 06:32	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 06:32	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 06:32	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 06:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 06:32	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 06:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 06:32	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 06:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 06:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 06:32	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:32	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 06:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 06:32	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 06:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 06:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 06:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 06:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 06:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 06:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 06:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 06:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 06:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:32	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 06:32	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 06:32	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 06:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 06:32	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 06:32	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 SW-3**      **Lab ID: 92628467049**      Collected: 09/28/22 17:29      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 06:32	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 06:32	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 06:32	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 06:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 06:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 06:32	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 06:32	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 06:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 06:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 06:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 06:32	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 06:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 06:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 06:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 06:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 06:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 06:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 06:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:32	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 06:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 06:32	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 06:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 06:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 06:32	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 06:32	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		10/01/22 06:32	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/01/22 06:32	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 SW-4**      **Lab ID: 92628467050**      Collected: 09/28/22 17:08      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 06:51	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 06:51	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 06:51	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 06:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 06:51	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 06:51	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 06:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 06:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 06:51	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 06:51	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 06:51	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 06:51	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 06:51	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 06:51	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 06:51	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 06:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 06:51	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 06:51	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 06:51	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 06:51	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:51	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 06:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 06:51	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 06:51	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 06:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 06:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 06:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 06:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 06:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 06:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 06:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 06:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 06:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 06:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 06:51	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 06:51	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 06:51	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 06:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 06:51	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 06:51	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 SW-4**      **Lab ID: 92628467050**      Collected: 09/28/22 17:08      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 06:51	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 06:51	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 06:51	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 06:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 06:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 06:51	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 06:51	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 06:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 06:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 06:51	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 06:51	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 06:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 06:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 06:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 06:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 06:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 06:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 06:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 06:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 06:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 06:51	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 06:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 06:51	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 06:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 06:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 06:51	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 06:51	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		10/01/22 06:51	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/01/22 06:51	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 SW-5**      **Lab ID: 92628467051**      Collected: 09/28/22 10:20      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 07:09	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 07:09	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 07:09	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 07:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 07:09	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 07:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 07:09	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 07:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 07:09	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 07:09	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 07:09	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 07:09	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 07:09	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 07:09	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 07:09	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 07:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 07:09	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 07:09	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 07:09	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 07:09	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 07:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 07:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 07:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 07:09	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 07:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 07:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 07:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 07:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 07:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 07:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 07:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 07:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 07:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 07:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 07:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 07:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 07:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 07:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 07:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 07:09	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 07:09	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 07:09	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 07:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 07:09	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 07:09	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 SW-5**      **Lab ID: 92628467051**      Collected: 09/28/22 10:20      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 07:09	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 07:09	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 07:09	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 07:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 07:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 07:09	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 07:09	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 07:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 07:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 07:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 07:09	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 07:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 07:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 07:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 07:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 07:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 07:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 07:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 07:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 07:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 07:09	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 07:09	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 07:09	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 07:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 07:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 07:09	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 07:09	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		10/01/22 07:09	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/01/22 07:09	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 SW-7**      **Lab ID: 92628467052**      Collected: 09/28/22 17:25      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 07:28	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 07:28	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 07:28	107-13-1	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 07:28	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 07:28	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 07:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 07:28	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 07:28	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 07:28	74-83-9	v3
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 07:28	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 07:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 07:28	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 07:28	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 07:28	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 07:28	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 07:28	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 07:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 07:28	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 07:28	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 07:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 07:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 07:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 07:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 07:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 07:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 07:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 07:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 07:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 07:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 07:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 07:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 07:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 07:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 07:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 07:28	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 07:28	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 07:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 07:28	87-68-3	
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 07:28	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 07:28	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 07:28	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 07:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 07:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 07:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 07:28	91-20-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 SW-7**      **Lab ID: 92628467052**      Collected: 09/28/22 17:25      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 07:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 07:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 07:28	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 07:28	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 07:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 07:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 07:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 07:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 07:28	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 07:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 07:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 07:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 07:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 07:28	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 07:28	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 07:28	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 07:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 07:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 07:28	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 07:28	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		10/01/22 07:28	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		10/01/22 07:28	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 SW-8**      **Lab ID: 92628467053**      Collected: 09/28/22 17:39      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 07:47	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 07:47	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 07:47	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 07:47	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 07:47	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 07:47	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 07:47	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 07:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 07:47	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 07:47	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 07:47	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 07:47	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 07:47	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 07:47	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 07:47	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 07:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 07:47	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 07:47	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 07:47	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 07:47	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 07:47	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 07:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 07:47	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 07:47	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 07:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 07:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 07:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 07:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 07:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 07:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 07:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 07:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 07:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 07:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 07:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 07:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 07:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 07:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 07:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 07:47	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 07:47	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 07:47	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 07:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 07:47	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 07:47	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01589 SW-8**      **Lab ID: 92628467053**      Collected: 09/28/22 17:39      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 07:47	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 07:47	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 07:47	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 07:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 07:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 07:47	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 07:47	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 07:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 07:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 07:47	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 07:47	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 07:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 07:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 07:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 07:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 07:47	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 07:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 07:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 07:47	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 07:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 07:47	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 07:47	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 07:47	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 07:47	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 07:47	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 07:47	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/01/22 07:47	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		10/01/22 07:47	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/01/22 07:47	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 SW-9**      **Lab ID: 92628467054**      Collected: 09/28/22 17:59      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 08:06	67-64-1	
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 08:06	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 08:06	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 08:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 08:06	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 08:06	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 08:06	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 08:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 08:06	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 08:06	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 08:06	74-83-9	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 08:06	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 08:06	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 08:06	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 08:06	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 08:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 08:06	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 08:06	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 08:06	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 08:06	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 08:06	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 08:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 08:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 08:06	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 08:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 08:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 08:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 08:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 08:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 08:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 08:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 08:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 08:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 08:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 08:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 08:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 08:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 08:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 08:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 08:06	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 08:06	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 08:06	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 08:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 08:06	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 08:06	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01589 SW-9**      **Lab ID: 92628467054**      Collected: 09/28/22 17:59      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 08:06	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 08:06	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 08:06	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 08:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 08:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 08:06	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 08:06	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 08:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 08:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 08:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 08:06	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 08:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 08:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 08:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 08:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 08:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 08:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 08:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 08:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 08:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 08:06	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 08:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 08:06	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 08:06	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 08:06	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 08:06	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 08:06	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		10/01/22 08:06	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/01/22 08:06	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: 01559 DUP-1**      **Lab ID: 92628467055**      Collected: 09/28/22 09:24      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>			Analytical Method: EPA 8260D Pace Analytical Services - Charlotte						
Acetone	ND	ug/L	3120	639	125		10/03/22 03:54	67-64-1	
Acrolein	ND	ug/L	1250	1060	125		10/03/22 03:54	107-02-8	
Acrylonitrile	ND	ug/L	1250	231	125		10/03/22 03:54	107-13-1	
tert-Amyl Alcohol	<b>11900J</b>	ug/L	12500	4550	125		10/03/22 03:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	332	125		10/03/22 03:54	994-05-8	
Benzene	<b>7800</b>	ug/L	125	43.1	125		10/03/22 03:54	71-43-2	
Bromobenzene	ND	ug/L	125	36.2	125		10/03/22 03:54	108-86-1	
Bromochloromethane	ND	ug/L	125	58.5	125		10/03/22 03:54	74-97-5	
Bromodichloromethane	ND	ug/L	125	38.4	125		10/03/22 03:54	75-27-4	
Bromoform	ND	ug/L	125	42.6	125		10/03/22 03:54	75-25-2	
Bromomethane	ND	ug/L	250	208	125		10/03/22 03:54	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6490	125		10/03/22 03:54	624-95-3	
2-Butanone (MEK)	ND	ug/L	625	495	125		10/03/22 03:54	78-93-3	
tert-Butyl Alcohol	ND	ug/L	12500	3350	125		10/03/22 03:54	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3680	125		10/03/22 03:54	762-75-4	
Carbon tetrachloride	ND	ug/L	125	41.6	125		10/03/22 03:54	56-23-5	
Chlorobenzene	ND	ug/L	125	35.5	125		10/03/22 03:54	108-90-7	
Chloroethane	ND	ug/L	125	81.1	125		10/03/22 03:54	75-00-3	v2
Chloroform	ND	ug/L	125	53.8	125		10/03/22 03:54	67-66-3	
Chloromethane	ND	ug/L	125	67.5	125		10/03/22 03:54	74-87-3	
2-Chlorotoluene	ND	ug/L	125	40.1	125		10/03/22 03:54	95-49-8	
4-Chlorotoluene	ND	ug/L	125	40.5	125		10/03/22 03:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	42.5	125		10/03/22 03:54	96-12-8	
Dibromochloromethane	ND	ug/L	125	44.9	125		10/03/22 03:54	124-48-1	
Dibromomethane	ND	ug/L	125	49.2	125		10/03/22 03:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	125	42.4	125		10/03/22 03:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	125	42.5	125		10/03/22 03:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	125	41.6	125		10/03/22 03:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	125	43.2	125		10/03/22 03:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	125	45.9	125		10/03/22 03:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	125	40.2	125		10/03/22 03:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	125	43.5	125		10/03/22 03:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	125	48.0	125		10/03/22 03:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	125	49.5	125		10/03/22 03:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	125	44.4	125		10/03/22 03:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	125	35.5	125		10/03/22 03:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	125	48.5	125		10/03/22 03:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	125	53.4	125		10/03/22 03:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	125	45.6	125		10/03/22 03:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	125	45.4	125		10/03/22 03:54	10061-02-6	
Diisopropyl ether	ND	ug/L	125	38.5	125		10/03/22 03:54	108-20-3	
Ethanol	ND	ug/L	25000	9020	125		10/03/22 03:54	64-17-5	
Ethylbenzene	<b>1110</b>	ug/L	125	38.0	125		10/03/22 03:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	405	125		10/03/22 03:54	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	250	191	125		10/03/22 03:54	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01559 DUP-1**      **Lab ID: 92628467055**      Collected: 09/28/22 09:24      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	196	ug/L	125	91.6	125		10/03/22 03:54	110-54-3	
2-Hexanone	ND	ug/L	625	59.5	125		10/03/22 03:54	591-78-6	
p-Isopropyltoluene	ND	ug/L	125	51.8	125		10/03/22 03:54	99-87-6	
Methylene Chloride	ND	ug/L	625	244	125		10/03/22 03:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	625	339	125		10/03/22 03:54	108-10-1	
Methyl-tert-butyl ether	324	ug/L	125	52.8	125		10/03/22 03:54	1634-04-4	
Naphthalene	181	ug/L	125	80.6	125		10/03/22 03:54	91-20-3	
Styrene	ND	ug/L	125	36.5	125		10/03/22 03:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	125	38.9	125		10/03/22 03:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	125	28.1	125		10/03/22 03:54	79-34-5	
Tetrachloroethene	ND	ug/L	125	36.5	125		10/03/22 03:54	127-18-4	
Toluene	16200	ug/L	125	60.6	125		10/03/22 03:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	125	101	125		10/03/22 03:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	125	79.9	125		10/03/22 03:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	125	41.5	125		10/03/22 03:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	125	40.6	125		10/03/22 03:54	79-00-5	
Trichloroethene	ND	ug/L	125	47.9	125		10/03/22 03:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	125	37.2	125		10/03/22 03:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	125	32.6	125		10/03/22 03:54	96-18-4	
1,2,4-Trimethylbenzene	768	ug/L	125	61.9	125		10/03/22 03:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	125	41.5	125		10/03/22 03:54	108-67-8	
Vinyl acetate	ND	ug/L	250	164	125		10/03/22 03:54	108-05-4	
Vinyl chloride	ND	ug/L	125	48.2	125		10/03/22 03:54	75-01-4	
Xylene (Total)	5680	ug/L	125	42.2	125		10/03/22 03:54	1330-20-7	
m&p-Xylene	3390	ug/L	250	88.6	125		10/03/22 03:54	179601-23-1	
o-Xylene	2290	ug/L	125	42.2	125		10/03/22 03:54	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		125		10/03/22 03:54	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		125		10/03/22 03:54	17060-07-0	
Toluene-d8 (S)	100	%	70-130		125		10/03/22 03:54	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01559 DUP-2**      **Lab ID: 92628467056**      Collected: 09/28/22 10:44      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	6250	1280	250		10/05/22 13:32	67-64-1	
Acrolein	ND	ug/L	2500	2120	250		10/05/22 13:32	107-02-8	
Acrylonitrile	ND	ug/L	2500	462	250		10/05/22 13:32	107-13-1	
tert-Amyl Alcohol	ND	ug/L	25000	9100	250		10/05/22 13:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	665	250		10/05/22 13:32	994-05-8	
Benzene	<b>10100</b>	ug/L	250	86.2	250		10/05/22 13:32	71-43-2	
Bromobenzene	ND	ug/L	250	72.5	250		10/05/22 13:32	108-86-1	
Bromochloromethane	ND	ug/L	250	117	250		10/05/22 13:32	74-97-5	
Bromodichloromethane	ND	ug/L	250	76.8	250		10/05/22 13:32	75-27-4	
Bromoform	ND	ug/L	250	85.2	250		10/05/22 13:32	75-25-2	
Bromomethane	ND	ug/L	500	415	250		10/05/22 13:32	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13000	250		10/05/22 13:32	624-95-3	
2-Butanone (MEK)	ND	ug/L	1250	990	250		10/05/22 13:32	78-93-3	
tert-Butyl Alcohol	ND	ug/L	25000	6700	250		10/05/22 13:32	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	7350	250		10/05/22 13:32	762-75-4	
Carbon tetrachloride	ND	ug/L	250	83.2	250		10/05/22 13:32	56-23-5	
Chlorobenzene	ND	ug/L	250	71.0	250		10/05/22 13:32	108-90-7	
Chloroethane	ND	ug/L	250	162	250		10/05/22 13:32	75-00-3	v2
Chloroform	ND	ug/L	250	108	250		10/05/22 13:32	67-66-3	
Chloromethane	ND	ug/L	250	135	250		10/05/22 13:32	74-87-3	v2
2-Chlorotoluene	ND	ug/L	250	80.2	250		10/05/22 13:32	95-49-8	
4-Chlorotoluene	ND	ug/L	250	81.0	250		10/05/22 13:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	85.0	250		10/05/22 13:32	96-12-8	
Dibromochloromethane	ND	ug/L	250	89.8	250		10/05/22 13:32	124-48-1	
Dibromomethane	ND	ug/L	250	98.5	250		10/05/22 13:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	250	84.8	250		10/05/22 13:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	85.0	250		10/05/22 13:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	83.2	250		10/05/22 13:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	250	86.5	250		10/05/22 13:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	91.8	250		10/05/22 13:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	80.5	250		10/05/22 13:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	87.0	250		10/05/22 13:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	250	96.0	250		10/05/22 13:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	250	99.0	250		10/05/22 13:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	88.8	250		10/05/22 13:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	250	71.0	250		10/05/22 13:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	250	97.0	250		10/05/22 13:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	250	107	250		10/05/22 13:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	250	91.2	250		10/05/22 13:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	250	90.8	250		10/05/22 13:32	10061-02-6	
Diisopropyl ether	ND	ug/L	250	77.0	250		10/05/22 13:32	108-20-3	
Ethanol	ND	ug/L	50000	18000	250		10/05/22 13:32	64-17-5	
Ethylbenzene	<b>4510</b>	ug/L	250	76.0	250		10/05/22 13:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	810	250		10/05/22 13:32	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	500	382	250		10/05/22 13:32	87-68-3	

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## ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01559 DUP-2**      **Lab ID: 92628467056**      Collected: 09/28/22 10:44      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	<b>215J</b>	ug/L	250	183	250		10/05/22 13:32	110-54-3	
2-Hexanone	ND	ug/L	1250	119	250		10/05/22 13:32	591-78-6	
p-Isopropyltoluene	ND	ug/L	250	104	250		10/05/22 13:32	99-87-6	
Methylene Chloride	ND	ug/L	1250	488	250		10/05/22 13:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1250	678	250		10/05/22 13:32	108-10-1	
Methyl-tert-butyl ether	<b>197J</b>	ug/L	250	106	250		10/05/22 13:32	1634-04-4	
Naphthalene	<b>512</b>	ug/L	250	161	250		10/05/22 13:32	91-20-3	
Styrene	ND	ug/L	250	73.0	250		10/05/22 13:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	250	77.8	250		10/05/22 13:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	250	56.2	250		10/05/22 13:32	79-34-5	
Tetrachloroethene	ND	ug/L	250	73.0	250		10/05/22 13:32	127-18-4	
Toluene	<b>38400</b>	ug/L	250	121	250		10/05/22 13:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	250	202	250		10/05/22 13:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	250	160	250		10/05/22 13:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	250	83.0	250		10/05/22 13:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250	81.2	250		10/05/22 13:32	79-00-5	
Trichloroethene	ND	ug/L	250	95.8	250		10/05/22 13:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	250	74.5	250		10/05/22 13:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	250	65.2	250		10/05/22 13:32	96-18-4	
1,2,4-Trimethylbenzene	<b>3630</b>	ug/L	250	124	250		10/05/22 13:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	250	83.0	250		10/05/22 13:32	108-67-8	
Vinyl acetate	ND	ug/L	500	328	250		10/05/22 13:32	108-05-4	
Vinyl chloride	ND	ug/L	250	96.5	250		10/05/22 13:32	75-01-4	
Xylene (Total)	<b>23900</b>	ug/L	250	84.5	250		10/05/22 13:32	1330-20-7	
m&p-Xylene	<b>16200</b>	ug/L	500	177	250		10/05/22 13:32	179601-23-1	
o-Xylene	<b>7650</b>	ug/L	250	84.5	250		10/05/22 13:32	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		250		10/05/22 13:32	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		250		10/05/22 13:32	17060-07-0	
Toluene-d8 (S)	98	%	70-130		250		10/05/22 13:32	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01559 FB-1**      **Lab ID: 92628467057**      Collected: 09/27/22 16:35      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 00:37	67-64-1	v1
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 00:37	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 00:37	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 00:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 00:37	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 00:37	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 00:37	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 00:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 00:37	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 00:37	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 00:37	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 00:37	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 00:37	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 00:37	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 00:37	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 00:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 00:37	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 00:37	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 00:37	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 00:37	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 00:37	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 00:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 00:37	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 00:37	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 00:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 00:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 00:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 00:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 00:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 00:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 00:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 00:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 00:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 00:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 00:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 00:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 00:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 00:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 00:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 00:37	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 00:37	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 00:37	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 00:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 00:37	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 00:37	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01559 FB-1**      **Lab ID: 92628467057**      Collected: 09/27/22 16:35      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 00:37	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 00:37	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 00:37	99-87-6	
Methylene Chloride	<b>2.2J</b>	ug/L	5.0	2.0	1		10/01/22 00:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 00:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 00:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 00:37	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 00:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 00:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 00:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 00:37	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 00:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 00:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 00:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 00:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 00:37	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 00:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 00:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 00:37	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 00:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 00:37	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 00:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 00:37	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 00:37	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 00:37	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 00:37	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/01/22 00:37	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		10/01/22 00:37	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/01/22 00:37	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01559 FB-2**      **Lab ID: 92628467058**      Collected: 09/28/22 16:56      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 00:55	67-64-1	v1
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 00:55	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 00:55	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 00:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 00:55	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 00:55	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 00:55	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 00:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 00:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 00:55	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 00:55	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 00:55	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 00:55	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 00:55	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 00:55	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 00:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 00:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 00:55	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 00:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 00:55	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 00:55	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 00:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 00:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 00:55	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 00:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 00:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 00:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 00:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 00:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 00:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 00:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 00:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 00:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 00:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 00:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 00:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 00:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 00:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 00:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 00:55	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 00:55	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 00:55	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 00:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 00:55	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 00:55	87-68-3	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: 01559 FB-2**      **Lab ID: 92628467058**      Collected: 09/28/22 16:56      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 00:55	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 00:55	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 00:55	99-87-6	
Methylene Chloride	<b>2.2J</b>	ug/L	5.0	2.0	1		10/01/22 00:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 00:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 00:55	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 00:55	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 00:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 00:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 00:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 00:55	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 00:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 00:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 00:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 00:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 00:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 00:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 00:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 00:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 00:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 00:55	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 00:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 00:55	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 00:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 00:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 00:55	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 00:55	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-130		1		10/01/22 00:55	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/01/22 00:55	2037-26-5	

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

**Sample: TRIP BLANK**      **Lab ID: 92628467059**      Collected: 09/28/22 00:00      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
Acetone	ND	ug/L	25.0	5.1	1		10/01/22 01:13	67-64-1	v1
Acrolein	ND	ug/L	10.0	8.5	1		10/01/22 01:13	107-02-8	L1
Acrylonitrile	ND	ug/L	10.0	1.8	1		10/01/22 01:13	107-13-1	
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 01:13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 01:13	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/01/22 01:13	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.29	1		10/01/22 01:13	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.47	1		10/01/22 01:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		10/01/22 01:13	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		10/01/22 01:13	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		10/01/22 01:13	74-83-9	v2
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 01:13	624-95-3	
2-Butanone (MEK)	ND	ug/L	5.0	4.0	1		10/01/22 01:13	78-93-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 01:13	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 01:13	762-75-4	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		10/01/22 01:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		10/01/22 01:13	108-90-7	
Chloroethane	ND	ug/L	1.0	0.65	1		10/01/22 01:13	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		10/01/22 01:13	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		10/01/22 01:13	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 01:13	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.32	1		10/01/22 01:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		10/01/22 01:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		10/01/22 01:13	124-48-1	
Dibromomethane	ND	ug/L	1.0	0.39	1		10/01/22 01:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 01:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		10/01/22 01:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		10/01/22 01:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.35	1		10/01/22 01:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		10/01/22 01:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 01:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		10/01/22 01:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 01:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		10/01/22 01:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		10/01/22 01:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		10/01/22 01:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.39	1		10/01/22 01:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.43	1		10/01/22 01:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 01:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		10/01/22 01:13	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 01:13	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 01:13	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/01/22 01:13	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 01:13	637-92-3	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.5	1		10/01/22 01:13	87-68-3	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

**Sample: TRIP BLANK**      **Lab ID: 92628467059**      Collected: 09/28/22 00:00      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
n-Hexane	ND	ug/L	1.0	0.73	1		10/01/22 01:13	110-54-3	
2-Hexanone	ND	ug/L	5.0	0.48	1		10/01/22 01:13	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.41	1		10/01/22 01:13	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.0	1		10/01/22 01:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	2.7	1		10/01/22 01:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/01/22 01:13	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/01/22 01:13	91-20-3	
Styrene	ND	ug/L	1.0	0.29	1		10/01/22 01:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.31	1		10/01/22 01:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		10/01/22 01:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		10/01/22 01:13	127-18-4	
Toluene	ND	ug/L	1.0	0.48	1		10/01/22 01:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.81	1		10/01/22 01:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		10/01/22 01:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		10/01/22 01:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		10/01/22 01:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.38	1		10/01/22 01:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		10/01/22 01:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.26	1		10/01/22 01:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.50	1		10/01/22 01:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.33	1		10/01/22 01:13	108-67-8	
Vinyl acetate	ND	ug/L	2.0	1.3	1		10/01/22 01:13	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		10/01/22 01:13	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/01/22 01:13	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/01/22 01:13	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/01/22 01:13	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 01:13	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-130		1		10/01/22 01:13	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		10/01/22 01:13	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

QC Batch:	727114	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV Low Level SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92628467003, 92628467004, 92628467005, 92628467008, 92628467010, 92628467057, 92628467058, 92628467059

METHOD BLANK: 3786670 Matrix: Water  
Associated Lab Samples: 92628467003, 92628467004, 92628467005, 92628467008, 92628467010, 92628467057, 92628467058, 92628467059

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	09/30/22 23:24	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	09/30/22 23:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	09/30/22 23:24	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	09/30/22 23:24	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	09/30/22 23:24	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	09/30/22 23:24	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	09/30/22 23:24	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	09/30/22 23:24	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	09/30/22 23:24	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	09/30/22 23:24	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	0.50	09/30/22 23:24	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	09/30/22 23:24	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	09/30/22 23:24	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/30/22 23:24	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	09/30/22 23:24	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	09/30/22 23:24	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	09/30/22 23:24	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	09/30/22 23:24	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	09/30/22 23:24	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	09/30/22 23:24	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	09/30/22 23:24	
2-Chlorotoluene	ug/L	ND	1.0	0.32	09/30/22 23:24	
2-Hexanone	ug/L	ND	5.0	0.48	09/30/22 23:24	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/30/22 23:24	
4-Chlorotoluene	ug/L	ND	1.0	0.32	09/30/22 23:24	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	09/30/22 23:24	
Acetone	ug/L	ND	25.0	5.1	09/30/22 23:24	
Acrolein	ug/L	ND	10.0	8.5	09/30/22 23:24	
Acrylonitrile	ug/L	ND	10.0	1.8	09/30/22 23:24	
Benzene	ug/L	ND	1.0	0.34	09/30/22 23:24	
Bromobenzene	ug/L	ND	1.0	0.29	09/30/22 23:24	
Bromochloromethane	ug/L	ND	1.0	0.47	09/30/22 23:24	
Bromodichloromethane	ug/L	ND	1.0	0.31	09/30/22 23:24	
Bromoform	ug/L	ND	1.0	0.34	09/30/22 23:24	
Bromomethane	ug/L	ND	2.0	1.7	09/30/22 23:24	v2
Carbon tetrachloride	ug/L	ND	1.0	0.33	09/30/22 23:24	
Chlorobenzene	ug/L	ND	1.0	0.28	09/30/22 23:24	
Chloroethane	ug/L	ND	1.0	0.65	09/30/22 23:24	
Chloroform	ug/L	ND	1.0	0.43	09/30/22 23:24	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

METHOD BLANK: 3786670

Matrix: Water

Associated Lab Samples: 92628467003, 92628467004, 92628467005, 92628467008, 92628467010, 92628467057, 92628467058, 92628467059

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloromethane	ug/L	ND	1.0	0.54	09/30/22 23:24	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	09/30/22 23:24	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	09/30/22 23:24	
Dibromochloromethane	ug/L	ND	1.0	0.36	09/30/22 23:24	
Dibromomethane	ug/L	ND	1.0	0.39	09/30/22 23:24	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	09/30/22 23:24	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/30/22 23:24	
Ethanol	ug/L	ND	200	72.2	09/30/22 23:24	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/30/22 23:24	
Ethylbenzene	ug/L	ND	1.0	0.30	09/30/22 23:24	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	09/30/22 23:24	v2
m&p-Xylene	ug/L	ND	2.0	0.71	09/30/22 23:24	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/30/22 23:24	
Methylene Chloride	ug/L	ND	5.0	2.0	09/30/22 23:24	
n-Hexane	ug/L	ND	1.0	0.73	09/30/22 23:24	
Naphthalene	ug/L	ND	1.0	0.64	09/30/22 23:24	
o-Xylene	ug/L	ND	1.0	0.34	09/30/22 23:24	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	09/30/22 23:24	
Styrene	ug/L	ND	1.0	0.29	09/30/22 23:24	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/30/22 23:24	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/30/22 23:24	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/30/22 23:24	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/30/22 23:24	
Tetrachloroethene	ug/L	ND	1.0	0.29	09/30/22 23:24	
Toluene	ug/L	ND	1.0	0.48	09/30/22 23:24	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	09/30/22 23:24	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	09/30/22 23:24	
Trichloroethene	ug/L	ND	1.0	0.38	09/30/22 23:24	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	09/30/22 23:24	
Vinyl acetate	ug/L	ND	2.0	1.3	09/30/22 23:24	
Vinyl chloride	ug/L	ND	1.0	0.39	09/30/22 23:24	
Xylene (Total)	ug/L	ND	1.0	0.34	09/30/22 23:24	
1,2-Dichloroethane-d4 (S)	%	118	70-130		09/30/22 23:24	
4-Bromofluorobenzene (S)	%	99	70-130		09/30/22 23:24	
Toluene-d8 (S)	%	102	70-130		09/30/22 23:24	

LABORATORY CONTROL SAMPLE: 3786671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.7	97	70-130	
1,1,1-Trichloroethane	ug/L	50	54.7	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.1	106	70-130	
1,1,2-Trichloroethane	ug/L	50	50.4	101	70-130	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3786671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/L	50	52.9	106	70-130	
1,1-Dichloroethene	ug/L	50	58.0	116	70-130	
1,1-Dichloropropene	ug/L	50	56.1	112	70-130	
1,2,3-Trichlorobenzene	ug/L	50	45.0	90	70-130	
1,2,3-Trichloropropane	ug/L	50	52.2	104	70-130	
1,2,4-Trichlorobenzene	ug/L	50	45.0	90	70-130	
1,2,4-Trimethylbenzene	ug/L	50	49.3	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.3	89	70-130	
1,2-Dichlorobenzene	ug/L	50	49.7	99	70-130	
1,2-Dichloroethane	ug/L	50	57.3	115	70-130	
1,2-Dichloropropane	ug/L	50	50.9	102	70-130	
1,3,5-Trimethylbenzene	ug/L	50	49.0	98	70-130	
1,3-Dichlorobenzene	ug/L	50	49.5	99	70-130	
1,3-Dichloropropane	ug/L	50	50.8	102	70-130	
1,4-Dichlorobenzene	ug/L	50	49.3	99	70-130	
2,2-Dichloropropane	ug/L	50	50.4	101	70-130	
2-Butanone (MEK)	ug/L	100	106	106	70-130	
2-Chlorotoluene	ug/L	50	50.4	101	70-130	
2-Hexanone	ug/L	100	101	101	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	942	94	70-130	
4-Chlorotoluene	ug/L	50	51.6	103	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	70-130	
Acetone	ug/L	100	114	114	70-130	
Acrolein	ug/L	250	341	136	70-130 L1	
Acrylonitrile	ug/L	250	267	107	70-130	
Benzene	ug/L	50	47.5	95	70-130	
Bromobenzene	ug/L	50	47.9	96	70-130	
Bromochloromethane	ug/L	50	52.0	104	70-130	
Bromodichloromethane	ug/L	50	51.1	102	70-130	
Bromoform	ug/L	50	45.8	92	70-130	
Bromomethane	ug/L	50	37.4	75	70-130 v3	
Carbon tetrachloride	ug/L	50	47.1	94	70-130	
Chlorobenzene	ug/L	50	50.1	100	70-130	
Chloroethane	ug/L	50	63.5	127	70-130	
Chloroform	ug/L	50	53.3	107	70-130	
Chloromethane	ug/L	50	49.8	100	70-130	
cis-1,2-Dichloroethene	ug/L	50	53.0	106	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.2	98	70-130	
Dibromochloromethane	ug/L	50	46.1	92	70-130	
Dibromomethane	ug/L	50	47.6	95	70-130	
Dichlorodifluoromethane	ug/L	50	59.0	118	70-130	
Diisopropyl ether	ug/L	50	51.4	103	70-130	
Ethanol	ug/L	2000	2270	114	70-130	
Ethyl-tert-butyl ether	ug/L	100	101	101	70-130	
Ethylbenzene	ug/L	50	50.4	101	70-130	
Hexachloro-1,3-butadiene	ug/L	50	43.4	87	70-130 v3	
m&p-Xylene	ug/L	100	103	103	70-130	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3786671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/L	50	52.3	105	70-130	
Methylene Chloride	ug/L	50	52.2	104	70-130	
n-Hexane	ug/L	50	50.7	101	70-130	
Naphthalene	ug/L	50	46.1	92	70-130	
o-Xylene	ug/L	50	49.6	99	70-130	
p-Isopropyltoluene	ug/L	50	49.5	99	70-130	
Styrene	ug/L	50	49.2	98	70-130	
tert-Amyl Alcohol	ug/L	1000	985	98	70-130	
tert-Amylmethyl ether	ug/L	100	102	102	70-130	
tert-Butyl Alcohol	ug/L	500	539	108	70-130	
tert-Butyl Formate	ug/L	400	378	94	70-130	
Tetrachloroethene	ug/L	50	45.1	90	70-130	
Toluene	ug/L	50	50.4	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	55.1	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.1	100	70-130	
Trichloroethene	ug/L	50	50.4	101	70-130	
Trichlorofluoromethane	ug/L	50	54.9	110	70-130	
Vinyl acetate	ug/L	100	106	106	70-130	
Vinyl chloride	ug/L	50	59.4	119	70-130	
Xylene (Total)	ug/L	150	152	101	70-130	
1,2-Dichloroethane-d4 (S)	%			111	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 3786673

Parameter	Units	92628467010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20.5	103	73-134	
1,1,1-Trichloroethane	ug/L	ND	20	24.1	121	82-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	22.4	112	70-136	
1,1,2-Trichloroethane	ug/L	ND	20	21.5	107	70-135	
1,1-Dichloroethane	ug/L	ND	20	22.8	114	70-139	
1,1-Dichloroethene	ug/L	ND	20	25.7	129	70-154	
1,1-Dichloropropene	ug/L	ND	20	24.4	122	70-149	
1,2,3-Trichlorobenzene	ug/L	ND	20	19.2	96	70-135	
1,2,3-Trichloropropane	ug/L	ND	20	21.5	107	71-137	
1,2,4-Trichlorobenzene	ug/L	ND	20	19.4	97	73-140	
1,2,4-Trimethylbenzene	ug/L	ND	20	21.4	107	71-142	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	18.1	90	65-134	
1,2-Dichlorobenzene	ug/L	ND	20	21.5	108	70-133	
1,2-Dichloroethane	ug/L	ND	20	24.3	122	70-137	
1,2-Dichloropropane	ug/L	ND	20	21.8	109	70-140	
1,3,5-Trimethylbenzene	ug/L	ND	20	21.9	109	76-139	
1,3-Dichlorobenzene	ug/L	ND	20	21.7	109	70-135	
1,3-Dichloropropane	ug/L	ND	20	21.4	107	70-143	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE SAMPLE: 3786673		92628467010	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	20	21.7	108	70-133	
2,2-Dichloropropane	ug/L	ND	20	23.3	116	61-148	
2-Butanone (MEK)	ug/L	ND	40	42.5	106	60-139	
2-Chlorotoluene	ug/L	ND	20	22.4	112	70-144	
2-Hexanone	ug/L	ND	40	40.9	102	65-138	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	377	94	39-157	
4-Chlorotoluene	ug/L	ND	20	22.6	113	70-137	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	41.6	104	65-135	
Acetone	ug/L	56.9	40	112	137	60-148	v1
Acrolein	ug/L	ND	100	140	140	28-162	
Acrylonitrile	ug/L	ND	100	109	109	64-147	
Benzene	ug/L	ND	20	20.9	105	70-151	
Bromobenzene	ug/L	ND	20	21.2	106	70-136	
Bromochloromethane	ug/L	ND	20	21.5	108	70-141	
Bromodichloromethane	ug/L	ND	20	21.8	109	70-138	
Bromoform	ug/L	ND	20	18.5	92	63-130	
Bromomethane	ug/L	ND	20	20.2	101	15-152	v3
Carbon tetrachloride	ug/L	ND	20	22.1	110	70-143	
Chlorobenzene	ug/L	ND	20	21.8	109	70-138	
Chloroethane	ug/L	ND	20	27.1	135	52-163	
Chloroform	ug/L	ND	20	23.4	117	70-139	
Chloromethane	ug/L	ND	20	21.9	109	41-139	
cis-1,2-Dichloroethene	ug/L	ND	20	22.9	114	70-141	
cis-1,3-Dichloropropene	ug/L	ND	20	21.0	105	70-137	
Dibromochloromethane	ug/L	ND	20	18.8	94	70-134	
Dibromomethane	ug/L	ND	20	20.7	103	70-138	
Dichlorodifluoromethane	ug/L	ND	20	26.6	133	47-155	
Diisopropyl ether	ug/L	ND	20	21.5	108	63-144	
Ethanol	ug/L	ND	800	980	122	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	41.4	104	66-137	
Ethylbenzene	ug/L	ND	20	22.2	111	66-153	
Hexachloro-1,3-butadiene	ug/L	ND	20	20.3	102	65-149	
m&p-Xylene	ug/L	ND	40	44.0	110	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	21.1	106	54-156	
Methylene Chloride	ug/L	ND	20	22.5	113	42-159	
n-Hexane	ug/L	ND	20	24.1	121	45-161	
Naphthalene	ug/L	ND	20	19.5	97	61-148	
o-Xylene	ug/L	ND	20	21.2	106	70-148	
p-Isopropyltoluene	ug/L	ND	20	22.6	113	70-146	
Styrene	ug/L	ND	20	20.6	103	70-135	
tert-Amyl Alcohol	ug/L	ND	400	424	106	54-153	
tert-Amylmethyl ether	ug/L	ND	40	43.2	108	69-139	
tert-Butyl Alcohol	ug/L	ND	200	226	113	43-188	
tert-Butyl Formate	ug/L	ND	160	135	84	10-170	
Tetrachloroethene	ug/L	ND	20	20.4	102	59-143	
Toluene	ug/L	ND	20	22.3	111	59-148	
trans-1,2-Dichloroethene	ug/L	ND	20	23.7	119	70-146	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE SAMPLE: 3786673

Parameter	Units	92628467010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	20	21.4	107	70-135	
Trichloroethene	ug/L	ND	20	22.5	113	70-147	
Trichlorofluoromethane	ug/L	ND	20	25.4	127	70-148	
Vinyl acetate	ug/L	ND	40	44.4	111	49-151	
Vinyl chloride	ug/L	ND	20	26.7	134	70-156	
Xylene (Total)	ug/L	ND	60	65.2	109	63-158	
1,2-Dichloroethane-d4 (S)	%				108	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 3786672

Parameter	Units	92628467008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	315	294	7	30 v1	
Acrolein	ug/L	ND	ND		30	
Acrylonitrile	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

SAMPLE DUPLICATE: 3786672

Parameter	Units	92628467008 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30 v2	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	1.6	1.6	0	30	
Methylene Chloride	ug/L	ND	ND		30	
n-Hexane	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
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	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	124	121			
4-Bromofluorobenzene (S)	%	99	98			
Toluene-d8 (S)	%	101	102			

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

QC Batch:	727116	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV Low Level SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92628467015, 92628467016, 92628467017, 92628467018, 92628467019, 92628467020, 92628467021, 92628467022, 92628467024, 92628467025

METHOD BLANK: 3786674 Matrix: Water  
Associated Lab Samples: 92628467015, 92628467016, 92628467017, 92628467018, 92628467019, 92628467020, 92628467021, 92628467022, 92628467024, 92628467025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	09/30/22 23:42	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	09/30/22 23:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	09/30/22 23:42	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	09/30/22 23:42	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	09/30/22 23:42	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	09/30/22 23:42	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	09/30/22 23:42	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	09/30/22 23:42	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	09/30/22 23:42	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	09/30/22 23:42	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	0.50	09/30/22 23:42	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	09/30/22 23:42	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	09/30/22 23:42	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	09/30/22 23:42	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	09/30/22 23:42	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	09/30/22 23:42	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	09/30/22 23:42	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	09/30/22 23:42	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	09/30/22 23:42	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	09/30/22 23:42	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	09/30/22 23:42	
2-Chlorotoluene	ug/L	ND	1.0	0.32	09/30/22 23:42	
2-Hexanone	ug/L	ND	5.0	0.48	09/30/22 23:42	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/30/22 23:42	
4-Chlorotoluene	ug/L	ND	1.0	0.32	09/30/22 23:42	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	09/30/22 23:42	
Acetone	ug/L	ND	25.0	5.1	09/30/22 23:42	
Acrolein	ug/L	ND	10.0	8.5	09/30/22 23:42	
Acrylonitrile	ug/L	ND	10.0	1.8	09/30/22 23:42	
Benzene	ug/L	ND	1.0	0.34	09/30/22 23:42	
Bromobenzene	ug/L	ND	1.0	0.29	09/30/22 23:42	
Bromochloromethane	ug/L	ND	1.0	0.47	09/30/22 23:42	
Bromodichloromethane	ug/L	ND	1.0	0.31	09/30/22 23:42	
Bromoform	ug/L	ND	1.0	0.34	09/30/22 23:42	
Bromomethane	ug/L	ND	2.0	1.7	09/30/22 23:42	v2
Carbon tetrachloride	ug/L	ND	1.0	0.33	09/30/22 23:42	
Chlorobenzene	ug/L	ND	1.0	0.28	09/30/22 23:42	
Chloroethane	ug/L	ND	1.0	0.65	09/30/22 23:42	
Chloroform	ug/L	ND	1.0	0.43	09/30/22 23:42	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

METHOD BLANK: 3786674 Matrix: Water  
Associated Lab Samples: 92628467015, 92628467016, 92628467017, 92628467018, 92628467019, 92628467020, 92628467021, 92628467022, 92628467024, 92628467025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloromethane	ug/L	ND	1.0	0.54	09/30/22 23:42	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	09/30/22 23:42	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	09/30/22 23:42	
Dibromochloromethane	ug/L	ND	1.0	0.36	09/30/22 23:42	
Dibromomethane	ug/L	ND	1.0	0.39	09/30/22 23:42	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	09/30/22 23:42	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/30/22 23:42	
Ethanol	ug/L	ND	200	72.2	09/30/22 23:42	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/30/22 23:42	
Ethylbenzene	ug/L	ND	1.0	0.30	09/30/22 23:42	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	09/30/22 23:42	v2
m&p-Xylene	ug/L	ND	2.0	0.71	09/30/22 23:42	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	09/30/22 23:42	
Methylene Chloride	ug/L	ND	5.0	2.0	09/30/22 23:42	
n-Hexane	ug/L	ND	1.0	0.73	09/30/22 23:42	
Naphthalene	ug/L	ND	1.0	0.64	09/30/22 23:42	
o-Xylene	ug/L	ND	1.0	0.34	09/30/22 23:42	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	09/30/22 23:42	
Styrene	ug/L	ND	1.0	0.29	09/30/22 23:42	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/30/22 23:42	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/30/22 23:42	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/30/22 23:42	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/30/22 23:42	
Tetrachloroethene	ug/L	ND	1.0	0.29	09/30/22 23:42	
Toluene	ug/L	ND	1.0	0.48	09/30/22 23:42	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	09/30/22 23:42	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	09/30/22 23:42	
Trichloroethene	ug/L	ND	1.0	0.38	09/30/22 23:42	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	09/30/22 23:42	
Vinyl acetate	ug/L	ND	2.0	1.3	09/30/22 23:42	
Vinyl chloride	ug/L	ND	1.0	0.39	09/30/22 23:42	
Xylene (Total)	ug/L	ND	1.0	0.34	09/30/22 23:42	
1,2-Dichloroethane-d4 (S)	%	118	70-130		09/30/22 23:42	
4-Bromofluorobenzene (S)	%	98	70-130		09/30/22 23:42	
Toluene-d8 (S)	%	103	70-130		09/30/22 23:42	

LABORATORY CONTROL SAMPLE: 3786675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.9	98	70-130	
1,1,1-Trichloroethane	ug/L	50	53.6	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.7	103	70-130	
1,1,2-Trichloroethane	ug/L	50	50.3	101	70-130	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3786675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/L	50	52.4	105	70-130	
1,1-Dichloroethene	ug/L	50	57.3	115	70-130	
1,1-Dichloropropene	ug/L	50	54.0	108	70-130	
1,2,3-Trichlorobenzene	ug/L	50	46.4	93	70-130	
1,2,3-Trichloropropane	ug/L	50	51.2	102	70-130	
1,2,4-Trichlorobenzene	ug/L	50	46.9	94	70-130	
1,2,4-Trimethylbenzene	ug/L	50	50.6	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.3	87	70-130	
1,2-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,2-Dichloroethane	ug/L	50	57.2	114	70-130	
1,2-Dichloropropane	ug/L	50	51.8	104	70-130	
1,3,5-Trimethylbenzene	ug/L	50	51.0	102	70-130	
1,3-Dichlorobenzene	ug/L	50	51.0	102	70-130	
1,3-Dichloropropane	ug/L	50	50.4	101	70-130	
1,4-Dichlorobenzene	ug/L	50	50.8	102	70-130	
2,2-Dichloropropane	ug/L	50	49.6	99	70-130	
2-Butanone (MEK)	ug/L	100	99.4	99	70-130	
2-Chlorotoluene	ug/L	50	51.5	103	70-130	
2-Hexanone	ug/L	100	97.4	97	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	915	92	70-130	
4-Chlorotoluene	ug/L	50	52.9	106	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.7	99	70-130	
Acetone	ug/L	100	110	110	70-130	
Acrolein	ug/L	250	327	131	70-130 L1	
Acrylonitrile	ug/L	250	255	102	70-130	
Benzene	ug/L	50	47.1	94	70-130	
Bromobenzene	ug/L	50	49.8	100	70-130	
Bromochloromethane	ug/L	50	50.4	101	70-130	
Bromodichloromethane	ug/L	50	51.0	102	70-130	
Bromoform	ug/L	50	45.5	91	70-130	
Bromomethane	ug/L	50	42.0	84	70-130 v3	
Carbon tetrachloride	ug/L	50	47.8	96	70-130	
Chlorobenzene	ug/L	50	50.4	101	70-130	
Chloroethane	ug/L	50	61.0	122	70-130	
Chloroform	ug/L	50	54.5	109	70-130	
Chloromethane	ug/L	50	50.9	102	70-130	
cis-1,2-Dichloroethene	ug/L	50	52.3	105	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.9	100	70-130	
Dibromochloromethane	ug/L	50	45.5	91	70-130	
Dibromomethane	ug/L	50	47.6	95	70-130	
Dichlorodifluoromethane	ug/L	50	58.5	117	70-130	
Diisopropyl ether	ug/L	50	50.9	102	70-130	
Ethanol	ug/L	2000	2230	111	70-130	
Ethyl-tert-butyl ether	ug/L	100	98.7	99	70-130	
Ethylbenzene	ug/L	50	50.3	101	70-130	
Hexachloro-1,3-butadiene	ug/L	50	46.6	93	70-130 v3	
m&p-Xylene	ug/L	100	103	103	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3786675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/L	50	51.1	102	70-130	
Methylene Chloride	ug/L	50	51.4	103	70-130	
n-Hexane	ug/L	50	50.5	101	70-130	
Naphthalene	ug/L	50	46.6	93	70-130	
o-Xylene	ug/L	50	49.4	99	70-130	
p-Isopropyltoluene	ug/L	50	51.3	103	70-130	
Styrene	ug/L	50	49.4	99	70-130	
tert-Amyl Alcohol	ug/L	1000	969	97	70-130	
tert-Amylmethyl ether	ug/L	100	102	102	70-130	
tert-Butyl Alcohol	ug/L	500	516	103	70-130	
tert-Butyl Formate	ug/L	400	367	92	70-130	
Tetrachloroethene	ug/L	50	46.3	93	70-130	
Toluene	ug/L	50	51.1	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	55.2	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.3	101	70-130	
Trichloroethene	ug/L	50	50.5	101	70-130	
Trichlorofluoromethane	ug/L	50	54.0	108	70-130	
Vinyl acetate	ug/L	100	104	104	70-130	
Vinyl chloride	ug/L	50	58.9	118	70-130	
Xylene (Total)	ug/L	150	152	102	70-130	
1,2-Dichloroethane-d4 (S)	%			108	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 3786677

Parameter	Units	92628467025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20.3	102	73-134	
1,1,1-Trichloroethane	ug/L	ND	20	23.0	115	82-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	22.2	111	70-136	
1,1,2-Trichloroethane	ug/L	ND	20	20.5	103	70-135	
1,1-Dichloroethane	ug/L	ND	20	21.6	108	70-139	
1,1-Dichloroethene	ug/L	ND	20	24.7	124	70-154	
1,1-Dichloropropene	ug/L	ND	20	23.6	118	70-149	
1,2,3-Trichlorobenzene	ug/L	ND	20	18.5	92	70-135	
1,2,3-Trichloropropane	ug/L	ND	20	22.1	111	71-137	
1,2,4-Trichlorobenzene	ug/L	ND	20	19.0	95	73-140	
1,2,4-Trimethylbenzene	ug/L	ND	20	21.0	105	71-142	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	19.1	95	65-134	
1,2-Dichlorobenzene	ug/L	ND	20	21.1	105	70-133	
1,2-Dichloroethane	ug/L	ND	20	23.8	119	70-137	
1,2-Dichloropropane	ug/L	ND	20	21.1	105	70-140	
1,3,5-Trimethylbenzene	ug/L	ND	20	21.6	108	76-139	
1,3-Dichlorobenzene	ug/L	ND	20	20.9	105	70-135	
1,3-Dichloropropane	ug/L	ND	20	21.1	105	70-143	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE SAMPLE: 3786677		92628467025	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	20	20.8	104	70-133	
2,2-Dichloropropane	ug/L	ND	20	22.2	111	61-148	
2-Butanone (MEK)	ug/L	ND	40	43.1	108	60-139	
2-Chlorotoluene	ug/L	ND	20	21.6	108	70-144	
2-Hexanone	ug/L	ND	40	43.1	108	65-138	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	398	100	39-157	
4-Chlorotoluene	ug/L	ND	20	22.2	111	70-137	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	43.0	108	65-135	
Acetone	ug/L	195	40	222	70	60-148 v1	
Acrolein	ug/L	ND	100	142	142	28-162	
Acrylonitrile	ug/L	ND	100	111	111	64-147	
Benzene	ug/L	ND	20	20.3	101	70-151	
Bromobenzene	ug/L	ND	20	20.4	102	70-136	
Bromochloromethane	ug/L	ND	20	21.1	105	70-141	
Bromodichloromethane	ug/L	ND	20	20.8	104	70-138	
Bromoform	ug/L	ND	20	18.1	90	63-130	
Bromomethane	ug/L	ND	20	20.4	102	15-152 v3	
Carbon tetrachloride	ug/L	ND	20	21.4	107	70-143	
Chlorobenzene	ug/L	ND	20	21.3	107	70-138	
Chloroethane	ug/L	ND	20	25.7	128	52-163	
Chloroform	ug/L	ND	20	23.1	115	70-139	
Chloromethane	ug/L	ND	20	21.0	105	41-139	
cis-1,2-Dichloroethene	ug/L	ND	20	21.9	110	70-141	
cis-1,3-Dichloropropene	ug/L	ND	20	19.9	99	70-137	
Dibromochloromethane	ug/L	ND	20	18.9	94	70-134	
Dibromomethane	ug/L	ND	20	20.0	100	70-138	
Dichlorodifluoromethane	ug/L	ND	20	25.6	128	47-155	
Diisopropyl ether	ug/L	ND	20	20.2	101	63-144	
Ethanol	ug/L	ND	800	966	121	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	39.2	98	66-137	
Ethylbenzene	ug/L	ND	20	21.8	109	66-153	
Hexachloro-1,3-butadiene	ug/L	ND	20	19.8	99	65-149	
m&p-Xylene	ug/L	ND	40	43.9	110	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	20.9	104	54-156	
Methylene Chloride	ug/L	ND	20	21.4	107	42-159	
n-Hexane	ug/L	ND	20	22.6	113	45-161	
Naphthalene	ug/L	ND	20	19.3	96	61-148	
o-Xylene	ug/L	ND	20	20.6	103	70-148	
p-Isopropyltoluene	ug/L	ND	20	21.3	106	70-146	
Styrene	ug/L	ND	20	20.1	100	70-135	
tert-Amyl Alcohol	ug/L	ND	400	436	109	54-153	
tert-Amylmethyl ether	ug/L	ND	40	42.2	105	69-139	
tert-Butyl Alcohol	ug/L	ND	200	250	125	43-188	
tert-Butyl Formate	ug/L	ND	160	110	69	10-170	
Tetrachloroethene	ug/L	ND	20	20.6	103	59-143	
Toluene	ug/L	ND	20	21.6	108	59-148	
trans-1,2-Dichloroethene	ug/L	ND	20	23.0	115	70-146	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE SAMPLE: 3786677

Parameter	Units	92628467025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	20	20.5	103	70-135	
Trichloroethene	ug/L	ND	20	21.6	108	70-147	
Trichlorofluoromethane	ug/L	ND	20	24.1	120	70-148	
Vinyl acetate	ug/L	ND	40	43.2	108	49-151	
Vinyl chloride	ug/L	ND	20	25.4	127	70-156	
Xylene (Total)	ug/L	ND	60	64.5	107	63-158	
1,2-Dichloroethane-d4 (S)	%				109	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 3786676

Parameter	Units	92628467016 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	48.8	77.1	45	30	D6,v1
Acrolein	ug/L	ND	ND		30	
Acrylonitrile	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

SAMPLE DUPLICATE: 3786676

Parameter	Units	92628467016 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30 v2	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Hexane	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
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	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	125	123			
4-Bromofluorobenzene (S)	%	99	99			
Toluene-d8 (S)	%	102	102			

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

QC Batch:	727121	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV Low Level SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92628467028, 92628467029, 92628467032, 92628467033, 92628467036, 92628467037, 92628467038, 92628467039, 92628467040, 92628467048, 92628467049, 92628467050, 92628467051, 92628467052, 92628467053, 92628467054

METHOD BLANK: 3786697 Matrix: Water  
Associated Lab Samples: 92628467028, 92628467029, 92628467032, 92628467033, 92628467036, 92628467037, 92628467038, 92628467039, 92628467040, 92628467048, 92628467049, 92628467050, 92628467051, 92628467052, 92628467053, 92628467054

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	10/01/22 01:52	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	10/01/22 01:52	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	10/01/22 01:52	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	10/01/22 01:52	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	10/01/22 01:52	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	10/01/22 01:52	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	10/01/22 01:52	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	10/01/22 01:52	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	10/01/22 01:52	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	10/01/22 01:52	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	0.50	10/01/22 01:52	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	10/01/22 01:52	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	10/01/22 01:52	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/01/22 01:52	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	10/01/22 01:52	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	10/01/22 01:52	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	10/01/22 01:52	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	10/01/22 01:52	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	10/01/22 01:52	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	10/01/22 01:52	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	10/01/22 01:52	
2-Chlorotoluene	ug/L	ND	1.0	0.32	10/01/22 01:52	
2-Hexanone	ug/L	ND	5.0	0.48	10/01/22 01:52	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/01/22 01:52	
4-Chlorotoluene	ug/L	ND	1.0	0.32	10/01/22 01:52	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	10/01/22 01:52	
Acetone	ug/L	ND	25.0	5.1	10/01/22 01:52	
Acrolein	ug/L	ND	10.0	8.5	10/01/22 01:52	
Acrylonitrile	ug/L	ND	10.0	1.8	10/01/22 01:52	
Benzene	ug/L	ND	1.0	0.34	10/01/22 01:52	
Bromobenzene	ug/L	ND	1.0	0.29	10/01/22 01:52	
Bromochloromethane	ug/L	ND	1.0	0.47	10/01/22 01:52	
Bromodichloromethane	ug/L	ND	1.0	0.31	10/01/22 01:52	
Bromoform	ug/L	ND	1.0	0.34	10/01/22 01:52	
Bromomethane	ug/L	ND	2.0	1.7	10/01/22 01:52	
Carbon tetrachloride	ug/L	ND	1.0	0.33	10/01/22 01:52	
Chlorobenzene	ug/L	ND	1.0	0.28	10/01/22 01:52	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

METHOD BLANK: 3786697

Matrix: Water

Associated Lab Samples: 92628467028, 92628467029, 92628467032, 92628467033, 92628467036, 92628467037, 92628467038, 92628467039, 92628467040, 92628467048, 92628467049, 92628467050, 92628467051, 92628467052, 92628467053, 92628467054

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloroethane	ug/L	ND	1.0	0.65	10/01/22 01:52	
Chloroform	ug/L	ND	1.0	0.43	10/01/22 01:52	
Chloromethane	ug/L	ND	1.0	0.54	10/01/22 01:52	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	10/01/22 01:52	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/01/22 01:52	
Dibromochloromethane	ug/L	ND	1.0	0.36	10/01/22 01:52	
Dibromomethane	ug/L	ND	1.0	0.39	10/01/22 01:52	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	10/01/22 01:52	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/01/22 01:52	
Ethanol	ug/L	ND	200	72.2	10/01/22 01:52	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/01/22 01:52	
Ethylbenzene	ug/L	ND	1.0	0.30	10/01/22 01:52	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	10/01/22 01:52	
m&p-Xylene	ug/L	ND	2.0	0.71	10/01/22 01:52	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/01/22 01:52	
Methylene Chloride	ug/L	ND	5.0	2.0	10/01/22 01:52	
n-Hexane	ug/L	ND	1.0	0.73	10/01/22 01:52	
Naphthalene	ug/L	ND	1.0	0.64	10/01/22 01:52	
o-Xylene	ug/L	ND	1.0	0.34	10/01/22 01:52	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	10/01/22 01:52	
Styrene	ug/L	ND	1.0	0.29	10/01/22 01:52	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/01/22 01:52	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/01/22 01:52	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/01/22 01:52	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/01/22 01:52	
Tetrachloroethene	ug/L	ND	1.0	0.29	10/01/22 01:52	
Toluene	ug/L	ND	1.0	0.48	10/01/22 01:52	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	10/01/22 01:52	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/01/22 01:52	
Trichloroethene	ug/L	ND	1.0	0.38	10/01/22 01:52	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	10/01/22 01:52	
Vinyl acetate	ug/L	ND	2.0	1.3	10/01/22 01:52	
Vinyl chloride	ug/L	ND	1.0	0.39	10/01/22 01:52	
Xylene (Total)	ug/L	ND	1.0	0.34	10/01/22 01:52	
1,2-Dichloroethane-d4 (S)	%	102	70-130		10/01/22 01:52	
4-Bromofluorobenzene (S)	%	98	70-130		10/01/22 01:52	
Toluene-d8 (S)	%	98	70-130		10/01/22 01:52	

LABORATORY CONTROL SAMPLE: 3786698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.3	103	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3786698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.2	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.6	103	70-130	
1,1,2-Trichloroethane	ug/L	50	50.8	102	70-130	
1,1-Dichloroethane	ug/L	50	48.3	97	70-130	
1,1-Dichloroethene	ug/L	50	50.8	102	70-130	
1,1-Dichloropropene	ug/L	50	51.3	103	70-130	
1,2,3-Trichlorobenzene	ug/L	50	53.8	108	70-130	
1,2,3-Trichloropropane	ug/L	50	52.1	104	70-130	
1,2,4-Trichlorobenzene	ug/L	50	54.2	108	70-130	
1,2,4-Trimethylbenzene	ug/L	50	52.6	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.0	98	70-130	
1,2-Dichlorobenzene	ug/L	50	54.0	108	70-130	
1,2-Dichloroethane	ug/L	50	49.9	100	70-130	
1,2-Dichloropropane	ug/L	50	51.1	102	70-130	
1,3,5-Trimethylbenzene	ug/L	50	53.7	107	70-130	
1,3-Dichlorobenzene	ug/L	50	54.0	108	70-130	
1,3-Dichloropropane	ug/L	50	50.8	102	70-130	
1,4-Dichlorobenzene	ug/L	50	52.1	104	70-130	
2,2-Dichloropropane	ug/L	50	47.0	94	70-130	
2-Butanone (MEK)	ug/L	100	95.5	95	70-130	
2-Chlorotoluene	ug/L	50	51.1	102	70-130	
2-Hexanone	ug/L	100	103	103	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1010	101	70-130	
4-Chlorotoluene	ug/L	50	52.8	106	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	100	100	70-130	
Acetone	ug/L	100	94.0	94	70-130	
Acrolein	ug/L	250	234	93	70-130	
Acrylonitrile	ug/L	250	245	98	70-130	
Benzene	ug/L	50	48.7	97	70-130	
Bromobenzene	ug/L	50	52.8	106	70-130	
Bromochloromethane	ug/L	50	49.5	99	70-130	
Bromodichloromethane	ug/L	50	49.0	98	70-130	
Bromoform	ug/L	50	48.1	96	70-130	
Bromomethane	ug/L	50	46.5	93	70-130	
Carbon tetrachloride	ug/L	50	48.9	98	70-130	
Chlorobenzene	ug/L	50	52.7	105	70-130	
Chloroethane	ug/L	50	50.9	102	70-130	
Chloroform	ug/L	50	47.4	95	70-130	
Chloromethane	ug/L	50	46.9	94	70-130	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.5	99	70-130	
Dibromochloromethane	ug/L	50	48.6	97	70-130	
Dibromomethane	ug/L	50	50.5	101	70-130	
Dichlorodifluoromethane	ug/L	50	42.4	85	70-130	
Diisopropyl ether	ug/L	50	47.5	95	70-130	
Ethanol	ug/L	2000	1860	93	70-130	
Ethyl-tert-butyl ether	ug/L	100	93.3	93	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3786698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	51.9	104	70-130	
Hexachloro-1,3-butadiene	ug/L	50	52.4	105	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	47.6	95	70-130	
Methylene Chloride	ug/L	50	42.5	85	70-130	
n-Hexane	ug/L	50	41.2	82	70-130	
Naphthalene	ug/L	50	54.0	108	70-130	
o-Xylene	ug/L	50	49.6	99	70-130	
p-Isopropyltoluene	ug/L	50	54.6	109	70-130	
Styrene	ug/L	50	52.4	105	70-130	
tert-Amyl Alcohol	ug/L	1000	1020	102	70-130	
tert-Amylmethyl ether	ug/L	100	103	103	70-130	
tert-Butyl Alcohol	ug/L	500	486	97	70-130	
tert-Butyl Formate	ug/L	400	384	96	70-130	
Tetrachloroethene	ug/L	50	50.7	101	70-130	
Toluene	ug/L	50	50.4	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	50.7	101	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.4	99	70-130	
Trichloroethene	ug/L	50	53.6	107	70-130	
Trichlorofluoromethane	ug/L	50	50.9	102	70-130	
Vinyl acetate	ug/L	100	97.6	98	70-130	
Vinyl chloride	ug/L	50	45.8	92	70-130	
Xylene (Total)	ug/L	150	154	102	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 3786700

Parameter	Units	92628467052 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	24.0	120	73-134	
1,1,1-Trichloroethane	ug/L	ND	20	24.8	124	82-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	23.7	119	70-136	
1,1,2-Trichloroethane	ug/L	ND	20	23.4	117	70-135	
1,1-Dichloroethane	ug/L	ND	20	23.0	115	70-139	
1,1-Dichloroethene	ug/L	ND	20	25.2	126	70-154	
1,1-Dichloropropene	ug/L	ND	20	25.8	129	70-149	
1,2,3-Trichlorobenzene	ug/L	ND	20	25.6	128	70-135	
1,2,3-Trichloropropane	ug/L	ND	20	24.0	120	71-137	
1,2,4-Trichlorobenzene	ug/L	ND	20	25.6	128	73-140	
1,2,4-Trimethylbenzene	ug/L	ND	20	24.0	120	71-142	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	23.1	115	65-134	
1,2-Dichlorobenzene	ug/L	ND	20	24.8	124	70-133	
1,2-Dichloroethane	ug/L	ND	20	23.8	119	70-137	
1,2-Dichloropropane	ug/L	ND	20	23.6	118	70-140	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE SAMPLE: 3786700		92628467052	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,3,5-Trimethylbenzene	ug/L	ND	20	24.8	124	76-139	
1,3-Dichlorobenzene	ug/L	ND	20	25.0	125	70-135	
1,3-Dichloropropane	ug/L	ND	20	23.6	118	70-143	
1,4-Dichlorobenzene	ug/L	ND	20	24.3	122	70-133	
2,2-Dichloropropane	ug/L	ND	20	24.9	124	61-148	
2-Butanone (MEK)	ug/L	ND	40	43.3	108	60-139	
2-Chlorotoluene	ug/L	ND	20	23.5	118	70-144	
2-Hexanone	ug/L	ND	40	48.9	122	65-138	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	522	131	39-157	
4-Chlorotoluene	ug/L	ND	20	25.0	125	70-137	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	45.2	113	65-135	
Acetone	ug/L	ND	40	45.5	114	60-148	
Acrolein	ug/L	ND	100	104	104	28-162	
Acrylonitrile	ug/L	ND	100	108	108	64-147	
Benzene	ug/L	ND	20	23.0	115	70-151	
Bromobenzene	ug/L	ND	20	24.1	121	70-136	
Bromochloromethane	ug/L	ND	20	23.6	118	70-141	
Bromodichloromethane	ug/L	ND	20	23.1	115	70-138	
Bromoform	ug/L	ND	20	22.9	115	63-130	
Bromomethane	ug/L	ND	20	25.3	126	15-152	v3
Carbon tetrachloride	ug/L	ND	20	24.7	124	70-143	
Chlorobenzene	ug/L	ND	20	25.0	125	70-138	
Chloroethane	ug/L	ND	20	25.7	128	52-163	
Chloroform	ug/L	ND	20	23.4	117	70-139	
Chloromethane	ug/L	ND	20	20.5	102	41-139	
cis-1,2-Dichloroethene	ug/L	ND	20	23.2	116	70-141	
cis-1,3-Dichloropropene	ug/L	ND	20	23.5	118	70-137	
Dibromochloromethane	ug/L	ND	20	22.9	114	70-134	
Dibromomethane	ug/L	ND	20	23.7	119	70-138	
Dichlorodifluoromethane	ug/L	ND	20	21.9	110	47-155	
Diisopropyl ether	ug/L	ND	20	21.8	109	63-144	
Ethanol	ug/L	ND	800	920	115	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	42.9	107	66-137	
Ethylbenzene	ug/L	ND	20	25.0	125	66-153	
Hexachloro-1,3-butadiene	ug/L	ND	20	28.7	143	65-149	
m&p-Xylene	ug/L	ND	40	50.2	125	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	22.2	111	54-156	
Methylene Chloride	ug/L	ND	20	19.5	97	42-159	
n-Hexane	ug/L	ND	20	23.3	116	45-161	
Naphthalene	ug/L	ND	20	25.5	127	61-148	
o-Xylene	ug/L	ND	20	23.5	117	70-148	
p-Isopropyltoluene	ug/L	ND	20	26.0	130	70-146	
Styrene	ug/L	ND	20	24.3	121	70-135	
tert-Amyl Alcohol	ug/L	ND	400	482	121	54-153	
tert-Amylmethyl ether	ug/L	ND	40	47.0	118	69-139	
tert-Butyl Alcohol	ug/L	ND	200	239	119	43-188	
tert-Butyl Formate	ug/L	ND	160	160	100	10-170	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE SAMPLE: 3786700		92628467052	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Tetrachloroethene	ug/L	ND	20	25.5	127	59-143	
Toluene	ug/L	ND	20	23.9	120	59-148	
trans-1,2-Dichloroethene	ug/L	ND	20	24.4	122	70-146	
trans-1,3-Dichloropropene	ug/L	ND	20	23.4	117	70-135	
Trichloroethene	ug/L	ND	20	25.9	130	70-147	
Trichlorofluoromethane	ug/L	ND	20	27.7	138	70-148	
Vinyl acetate	ug/L	ND	40	45.0	112	49-151	
Vinyl chloride	ug/L	ND	20	22.2	111	70-156	
Xylene (Total)	ug/L	ND	60	73.7	123	63-158	
1,2-Dichloroethane-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 3786699

Parameter	Units	92628467048	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Acrolein	ug/L	ND	ND		30	
Acrylonitrile	ug/L	ND	ND		30	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

SAMPLE DUPLICATE: 3786699

Parameter	Units	92628467048 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Hexane	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
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	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	105	106			
4-Bromofluorobenzene (S)	%	99	97			
Toluene-d8 (S)	%	100	99			

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

QC Batch: 727123 Analysis Method: EPA 8260D  
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC  
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92628467001, 92628467002, 92628467035

METHOD BLANK: 3786706 Matrix: Water

Associated Lab Samples: 92628467001, 92628467002, 92628467035

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	10/01/22 01:33	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	10/01/22 01:33	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	10/01/22 01:33	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	10/01/22 01:33	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	10/01/22 01:33	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	10/01/22 01:33	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	10/01/22 01:33	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	10/01/22 01:33	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	10/01/22 01:33	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	10/01/22 01:33	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	0.50	10/01/22 01:33	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	10/01/22 01:33	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	10/01/22 01:33	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/01/22 01:33	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	10/01/22 01:33	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	10/01/22 01:33	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	10/01/22 01:33	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	10/01/22 01:33	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	10/01/22 01:33	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	10/01/22 01:33	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	10/01/22 01:33	
2-Chlorotoluene	ug/L	ND	1.0	0.32	10/01/22 01:33	
2-Hexanone	ug/L	ND	5.0	0.48	10/01/22 01:33	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/01/22 01:33	
4-Chlorotoluene	ug/L	ND	1.0	0.32	10/01/22 01:33	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	10/01/22 01:33	
Acetone	ug/L	ND	25.0	5.1	10/01/22 01:33	
Acrolein	ug/L	ND	10.0	8.5	10/01/22 01:33	
Acrylonitrile	ug/L	ND	10.0	1.8	10/01/22 01:33	
Benzene	ug/L	ND	1.0	0.34	10/01/22 01:33	
Bromobenzene	ug/L	ND	1.0	0.29	10/01/22 01:33	
Bromochloromethane	ug/L	ND	1.0	0.47	10/01/22 01:33	
Bromodichloromethane	ug/L	ND	1.0	0.31	10/01/22 01:33	
Bromoform	ug/L	ND	1.0	0.34	10/01/22 01:33	
Bromomethane	ug/L	ND	2.0	1.7	10/01/22 01:33	
Carbon tetrachloride	ug/L	ND	1.0	0.33	10/01/22 01:33	
Chlorobenzene	ug/L	ND	1.0	0.28	10/01/22 01:33	
Chloroethane	ug/L	ND	1.0	0.65	10/01/22 01:33	
Chloroform	ug/L	ND	1.0	0.43	10/01/22 01:33	
Chloromethane	ug/L	ND	1.0	0.54	10/01/22 01:33	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

METHOD BLANK: 3786706 Matrix: Water  
Associated Lab Samples: 92628467001, 92628467002, 92628467035

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	10/01/22 01:33	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/01/22 01:33	
Dibromochloromethane	ug/L	ND	1.0	0.36	10/01/22 01:33	
Dibromomethane	ug/L	ND	1.0	0.39	10/01/22 01:33	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	10/01/22 01:33	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/01/22 01:33	
Ethanol	ug/L	ND	200	72.2	10/01/22 01:33	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/01/22 01:33	
Ethylbenzene	ug/L	ND	1.0	0.30	10/01/22 01:33	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	10/01/22 01:33	
m&p-Xylene	ug/L	ND	2.0	0.71	10/01/22 01:33	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/01/22 01:33	
Methylene Chloride	ug/L	ND	5.0	2.0	10/01/22 01:33	
n-Hexane	ug/L	ND	1.0	0.73	10/01/22 01:33	
Naphthalene	ug/L	ND	1.0	0.64	10/01/22 01:33	
o-Xylene	ug/L	ND	1.0	0.34	10/01/22 01:33	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	10/01/22 01:33	
Styrene	ug/L	ND	1.0	0.29	10/01/22 01:33	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/01/22 01:33	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/01/22 01:33	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/01/22 01:33	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/01/22 01:33	
Tetrachloroethene	ug/L	ND	1.0	0.29	10/01/22 01:33	
Toluene	ug/L	ND	1.0	0.48	10/01/22 01:33	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	10/01/22 01:33	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/01/22 01:33	
Trichloroethene	ug/L	ND	1.0	0.38	10/01/22 01:33	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	10/01/22 01:33	
Vinyl acetate	ug/L	ND	2.0	1.3	10/01/22 01:33	
Vinyl chloride	ug/L	ND	1.0	0.39	10/01/22 01:33	
Xylene (Total)	ug/L	ND	1.0	0.34	10/01/22 01:33	
1,2-Dichloroethane-d4 (S)	%	102	70-130		10/01/22 01:33	
4-Bromofluorobenzene (S)	%	97	70-130		10/01/22 01:33	
Toluene-d8 (S)	%	98	70-130		10/01/22 01:33	

LABORATORY CONTROL SAMPLE: 3786707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.5	103	70-130	
1,1,1-Trichloroethane	ug/L	50	48.5	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.8	106	70-130	
1,1,2-Trichloroethane	ug/L	50	50.8	102	70-130	
1,1-Dichloroethane	ug/L	50	47.0	94	70-130	
1,1-Dichloroethene	ug/L	50	48.8	98	70-130	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3786707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	49.7	99	70-130	
1,2,3-Trichlorobenzene	ug/L	50	55.1	110	70-130	
1,2,3-Trichloropropane	ug/L	50	52.8	106	70-130	
1,2,4-Trichlorobenzene	ug/L	50	53.6	107	70-130	
1,2,4-Trimethylbenzene	ug/L	50	51.1	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene	ug/L	50	53.0	106	70-130	
1,2-Dichloroethane	ug/L	50	49.1	98	70-130	
1,2-Dichloropropane	ug/L	50	49.5	99	70-130	
1,3,5-Trimethylbenzene	ug/L	50	51.8	104	70-130	
1,3-Dichlorobenzene	ug/L	50	53.2	106	70-130	
1,3-Dichloropropane	ug/L	50	51.0	102	70-130	
1,4-Dichlorobenzene	ug/L	50	52.2	104	70-130	
2,2-Dichloropropane	ug/L	50	45.3	91	70-130	
2-Butanone (MEK)	ug/L	100	97.2	97	70-130	
2-Chlorotoluene	ug/L	50	49.9	100	70-130	
2-Hexanone	ug/L	100	106	106	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1060	106	70-130	
4-Chlorotoluene	ug/L	50	51.4	103	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	70-130	
Acetone	ug/L	100	98.8	99	70-130	
Acrolein	ug/L	250	242	97	70-130	
Acrylonitrile	ug/L	250	246	98	70-130	
Benzene	ug/L	50	47.2	94	70-130	
Bromobenzene	ug/L	50	51.8	104	70-130	
Bromochloromethane	ug/L	50	48.6	97	70-130	
Bromodichloromethane	ug/L	50	48.6	97	70-130	
Bromoform	ug/L	50	49.9	100	70-130	
Bromomethane	ug/L	50	50.0	100	70-130	
Carbon tetrachloride	ug/L	50	47.4	95	70-130	
Chlorobenzene	ug/L	50	52.2	104	70-130	
Chloroethane	ug/L	50	47.0	94	70-130	
Chloroform	ug/L	50	46.2	92	70-130	
Chloromethane	ug/L	50	45.3	91	70-130	
cis-1,2-Dichloroethene	ug/L	50	47.7	95	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.3	99	70-130	
Dibromochloromethane	ug/L	50	48.9	98	70-130	
Dibromomethane	ug/L	50	51.1	102	70-130	
Dichlorodifluoromethane	ug/L	50	40.1	80	70-130	
Diisopropyl ether	ug/L	50	46.7	93	70-130	
Ethanol	ug/L	2000	1920	96	70-130	
Ethyl-tert-butyl ether	ug/L	100	92.7	93	70-130	
Ethylbenzene	ug/L	50	51.0	102	70-130	
Hexachloro-1,3-butadiene	ug/L	50	51.5	103	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	48.0	96	70-130	
Methylene Chloride	ug/L	50	41.5	83	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3786707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Hexane	ug/L	50	39.9	80	70-130	
Naphthalene	ug/L	50	54.5	109	70-130	
o-Xylene	ug/L	50	49.2	98	70-130	
p-Isopropyltoluene	ug/L	50	52.5	105	70-130	
Styrene	ug/L	50	51.8	104	70-130	
tert-Amyl Alcohol	ug/L	1000	1050	105	70-130	
tert-Amylmethyl ether	ug/L	100	104	104	70-130	
tert-Butyl Alcohol	ug/L	500	498	100	70-130	
tert-Butyl Formate	ug/L	400	387	97	70-130	
Tetrachloroethene	ug/L	50	49.4	99	70-130	
Toluene	ug/L	50	49.4	99	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.1	98	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.2	98	70-130	
Trichloroethene	ug/L	50	51.7	103	70-130	
Trichlorofluoromethane	ug/L	50	48.9	98	70-130	
Vinyl acetate	ug/L	100	98.0	98	70-130	
Vinyl chloride	ug/L	50	43.3	87	70-130	
Xylene (Total)	ug/L	150	151	101	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786708 3786709

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92628467001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1,2-Tetrachloroethane	ug/L	ND	2000	2000	2670	2400	133	120	73-134	11	30		
1,1,1-Trichloroethane	ug/L	ND	2000	2000	2760	2470	138	123	82-143	11	30		
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2000	2670	2400	134	120	70-136	11	30		
1,1,2-Trichloroethane	ug/L	ND	2000	2000	2630	2300	132	115	70-135	14	30		
1,1-Dichloroethane	ug/L	ND	2000	2000	2550	2310	128	116	70-139	10	30		
1,1-Dichloroethene	ug/L	ND	2000	2000	2750	2480	137	124	70-154	10	30		
1,1-Dichloropropene	ug/L	ND	2000	2000	2870	2590	144	129	70-149	11	30		
1,2,3-Trichlorobenzene	ug/L	ND	2000	2000	2710	2440	136	122	70-135	11	30	M1	
1,2,3-Trichloropropane	ug/L	ND	2000	2000	2720	2390	136	119	71-137	13	30		
1,2,4-Trichlorobenzene	ug/L	ND	2000	2000	2730	2400	137	120	73-140	13	30		
1,2,4-Trimethylbenzene	ug/L	697	2000	2000	3250	2970	128	114	71-142	9	30		
1,2-Dibromo-3-chloropropane	ug/L	ND	2000	2000	2500	2200	125	110	65-134	13	30		
1,2-Dichlorobenzene	ug/L	ND	2000	2000	2740	2430	137	121	70-133	12	30	M1	
1,2-Dichloroethane	ug/L	ND	2000	2000	2740	2390	137	120	70-137	13	30		
1,2-Dichloropropane	ug/L	ND	2000	2000	2660	2340	133	117	70-140	13	30		
1,3,5-Trimethylbenzene	ug/L	181	2000	2000	2840	2570	133	119	76-139	10	30		
1,3-Dichlorobenzene	ug/L	ND	2000	2000	2750	2430	138	122	70-135	12	30	M1	
1,3-Dichloropropane	ug/L	ND	2000	2000	2650	2320	133	116	70-143	13	30		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

Parameter	Units	92628467001		MS		MSD		MS		MSD		% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec								
1,4-Dichlorobenzene	ug/L	ND	2000	2000	2700	2380	135	119	70-133	12	30	M1				
2,2-Dichloropropane	ug/L	ND	2000	2000	2760	2480	138	124	61-148	11	30					
2-Butanone (MEK)	ug/L	ND	4000	4000	5130	4470	123	107	60-139	14	30					
2-Chlorotoluene	ug/L	ND	2000	2000	2650	2340	133	117	70-144	13	30					
2-Hexanone	ug/L	ND	4000	4000	5300	4660	132	116	65-138	13	30					
3,3-Dimethyl-1-Butanol	ug/L	ND	40000	40000	52300	46600	131	116	39-157	12	30					
4-Chlorotoluene	ug/L	ND	2000	2000	2690	2410	135	120	70-137	11	30					
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4000	4000	5150	4460	129	112	65-135	14	30					
Acetone	ug/L	ND	4000	4000	5400	4760	135	119	60-148	13	30					
Acrolein	ug/L	ND	10000	10000	11700	10100	117	101	28-162	15	30					
Acrylonitrile	ug/L	ND	10000	10000	12800	11300	128	113	64-147	12	30					
Benzene	ug/L	7010	2000	2000	9520	9340	125	117	70-151	2	30					
Bromobenzene	ug/L	ND	2000	2000	2660	2360	133	118	70-136	12	30					
Bromochloromethane	ug/L	ND	2000	2000	2700	2370	135	119	70-141	13	30					
Bromodichloromethane	ug/L	ND	2000	2000	2590	2250	130	113	70-138	14	30					
Bromoform	ug/L	ND	2000	2000	2540	2260	127	113	63-130	12	30					
Bromomethane	ug/L	ND	2000	2000	2690	2330	134	116	15-152	14	30					
Carbon tetrachloride	ug/L	ND	2000	2000	2690	2380	135	119	70-143	12	30					
Chlorobenzene	ug/L	ND	2000	2000	2770	2460	139	123	70-138	12	30	M1				
Chloroethane	ug/L	ND	2000	2000	2830	2520	141	126	52-163	11	30					
Chloroform	ug/L	ND	2000	2000	2660	2380	133	119	70-139	11	30					
Chloromethane	ug/L	ND	2000	2000	2380	2200	119	110	41-139	8	30					
cis-1,2-Dichloroethene	ug/L	ND	2000	2000	2610	2330	130	117	70-141	11	30					
cis-1,3-Dichloropropene	ug/L	ND	2000	2000	2620	2290	131	114	70-137	14	30					
Dibromochloromethane	ug/L	ND	2000	2000	2550	2230	127	111	70-134	13	30					
Dibromomethane	ug/L	ND	2000	2000	2720	2360	136	118	70-138	14	30					
Dichlorodifluoromethane	ug/L	ND	2000	2000	2300	2160	115	108	47-155	7	30					
Diisopropyl ether	ug/L	ND	2000	2000	2510	2230	125	112	63-144	12	30					
Ethanol	ug/L	19800J	80000	80000	145000	131000	156	139	39-176	10	30					
Ethyl-tert-butyl ether	ug/L	ND	4000	4000	5190	4620	125	111	66-137	12	30					
Ethylbenzene	ug/L	1190	2000	2000	3800	3550	131	118	66-153	7	30					
Hexachloro-1,3-butadiene	ug/L	ND	2000	2000	2900	2570	145	128	65-149	12	30					
m&p-Xylene	ug/L	3620	4000	4000	8720	8240	128	116	69-152	6	30					
Methyl-tert-butyl ether	ug/L	495	2000	2000	3140	2860	132	118	54-156	9	30					
Methylene Chloride	ug/L	ND	2000	2000	2250	2010	113	101	42-159	11	30					
n-Hexane	ug/L	ND	2000	2000	2870	2610	144	130	45-161	10	30					
Naphthalene	ug/L	166	2000	2000	2760	2480	130	116	61-148	11	30					
o-Xylene	ug/L	1770	2000	2000	4180	3980	120	110	70-148	5	30					
p-Isopropyltoluene	ug/L	ND	2000	2000	2770	2480	139	124	70-146	11	30					
Styrene	ug/L	ND	2000	2000	2710	2400	135	120	70-135	12	30					
tert-Amyl Alcohol	ug/L	9090J	40000	40000	63800	56800	137	119	54-153	12	30					
tert-Amylmethyl ether	ug/L	ND	4000	4000	5400	4720	135	118	69-139	13	30					
tert-Butyl Alcohol	ug/L	ND	20000	20000	27200	23400	129	110	43-188	15	30					
tert-Butyl Formate	ug/L	ND	16000	16000	20700	18300	129	114	10-170	12	30					
Tetrachloroethene	ug/L	ND	2000	2000	2740	2430	137	122	59-143	12	30					

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786708 3786709												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92628467001 Result	Spike Conc.	Spike Conc.	MS Result							
Toluene	ug/L	17600	2000	2000	19800	19900	109	116	59-148	1	30	
trans-1,2-Dichloroethene	ug/L	ND	2000	2000	2640	2410	132	121	70-146	9	30	
trans-1,3-Dichloropropene	ug/L	ND	2000	2000	2620	2260	131	113	70-135	15	30	
Trichloroethene	ug/L	ND	2000	2000	2810	2490	141	125	70-147	12	30	
Trichlorofluoromethane	ug/L	ND	2000	2000	2990	2730	149	137	70-148	9	30	M1
Vinyl acetate	ug/L	ND	4000	4000	5200	4640	130	116	49-151	11	30	
Vinyl chloride	ug/L	ND	2000	2000	2380	2210	119	111	70-156	7	30	
Xylene (Total)	ug/L	5390	6000	6000	12900	12200	125	114	63-158	5	30	
1,2-Dichloroethane-d4 (S)	%						104	102	70-130			
4-Bromofluorobenzene (S)	%						98	97	70-130			
Toluene-d8 (S)	%						99	98	70-130			

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

QC Batch: 727126 Analysis Method: EPA 8260D  
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC  
Laboratory: Pace Analytical Services - Charlotte  
Associated Lab Samples: 92628467006, 92628467014, 92628467042, 92628467044, 92628467047, 92628467055

METHOD BLANK: 3786714 Matrix: Water  
Associated Lab Samples: 92628467006, 92628467014, 92628467042, 92628467044, 92628467047, 92628467055

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	10/02/22 18:53	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	10/02/22 18:53	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	10/02/22 18:53	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	10/02/22 18:53	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	10/02/22 18:53	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	10/02/22 18:53	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	10/02/22 18:53	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	10/02/22 18:53	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	10/02/22 18:53	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	10/02/22 18:53	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	0.50	10/02/22 18:53	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	10/02/22 18:53	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	10/02/22 18:53	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/02/22 18:53	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	10/02/22 18:53	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	10/02/22 18:53	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	10/02/22 18:53	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	10/02/22 18:53	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	10/02/22 18:53	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	10/02/22 18:53	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	10/02/22 18:53	
2-Chlorotoluene	ug/L	ND	1.0	0.32	10/02/22 18:53	
2-Hexanone	ug/L	ND	5.0	0.48	10/02/22 18:53	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/02/22 18:53	
4-Chlorotoluene	ug/L	ND	1.0	0.32	10/02/22 18:53	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	10/02/22 18:53	
Acetone	ug/L	ND	25.0	5.1	10/02/22 18:53	
Acrolein	ug/L	ND	10.0	8.5	10/02/22 18:53	
Acrylonitrile	ug/L	ND	10.0	1.8	10/02/22 18:53	
Benzene	ug/L	ND	1.0	0.34	10/02/22 18:53	
Bromobenzene	ug/L	ND	1.0	0.29	10/02/22 18:53	
Bromochloromethane	ug/L	ND	1.0	0.47	10/02/22 18:53	
Bromodichloromethane	ug/L	ND	1.0	0.31	10/02/22 18:53	
Bromoform	ug/L	ND	1.0	0.34	10/02/22 18:53	
Bromomethane	ug/L	ND	2.0	1.7	10/02/22 18:53	v2
Carbon tetrachloride	ug/L	ND	1.0	0.33	10/02/22 18:53	
Chlorobenzene	ug/L	ND	1.0	0.28	10/02/22 18:53	
Chloroethane	ug/L	ND	1.0	0.65	10/02/22 18:53	v2
Chloroform	ug/L	ND	1.0	0.43	10/02/22 18:53	
Chloromethane	ug/L	ND	1.0	0.54	10/02/22 18:53	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

METHOD BLANK: 3786714

Matrix: Water

Associated Lab Samples: 92628467006, 92628467014, 92628467042, 92628467044, 92628467047, 92628467055

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	10/02/22 18:53	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/02/22 18:53	
Dibromochloromethane	ug/L	ND	1.0	0.36	10/02/22 18:53	
Dibromomethane	ug/L	ND	1.0	0.39	10/02/22 18:53	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	10/02/22 18:53	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/02/22 18:53	
Ethanol	ug/L	ND	200	72.2	10/02/22 18:53	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/02/22 18:53	
Ethylbenzene	ug/L	ND	1.0	0.30	10/02/22 18:53	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	10/02/22 18:53	
m&p-Xylene	ug/L	ND	2.0	0.71	10/02/22 18:53	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/02/22 18:53	
Methylene Chloride	ug/L	ND	5.0	2.0	10/02/22 18:53	
n-Hexane	ug/L	ND	1.0	0.73	10/02/22 18:53	
Naphthalene	ug/L	ND	1.0	0.64	10/02/22 18:53	
o-Xylene	ug/L	ND	1.0	0.34	10/02/22 18:53	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	10/02/22 18:53	
Styrene	ug/L	ND	1.0	0.29	10/02/22 18:53	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/02/22 18:53	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/02/22 18:53	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/02/22 18:53	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/02/22 18:53	
Tetrachloroethene	ug/L	ND	1.0	0.29	10/02/22 18:53	
Toluene	ug/L	ND	1.0	0.48	10/02/22 18:53	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	10/02/22 18:53	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/02/22 18:53	
Trichloroethene	ug/L	ND	1.0	0.38	10/02/22 18:53	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	10/02/22 18:53	
Vinyl acetate	ug/L	ND	2.0	1.3	10/02/22 18:53	
Vinyl chloride	ug/L	ND	1.0	0.39	10/02/22 18:53	
Xylene (Total)	ug/L	ND	1.0	0.34	10/02/22 18:53	
1,2-Dichloroethane-d4 (S)	%	92	70-130		10/02/22 18:53	
4-Bromofluorobenzene (S)	%	95	70-130		10/02/22 18:53	
Toluene-d8 (S)	%	101	70-130		10/02/22 18:53	

LABORATORY CONTROL SAMPLE: 3786715

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.8	108	70-130	
1,1,1-Trichloroethane	ug/L	50	49.2	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.7	101	70-130	
1,1,2-Trichloroethane	ug/L	50	51.6	103	70-130	
1,1-Dichloroethane	ug/L	50	48.4	97	70-130	
1,1-Dichloroethene	ug/L	50	47.2	94	70-130	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3786715

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	53.2	106	70-130	
1,2,3-Trichlorobenzene	ug/L	50	52.2	104	70-130	
1,2,3-Trichloropropane	ug/L	50	46.8	94	70-130	
1,2,4-Trichlorobenzene	ug/L	50	54.4	109	70-130	
1,2,4-Trimethylbenzene	ug/L	50	52.2	104	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.0	104	70-130	
1,2-Dichlorobenzene	ug/L	50	52.7	105	70-130	
1,2-Dichloroethane	ug/L	50	45.5	91	70-130	
1,2-Dichloropropane	ug/L	50	52.3	105	70-130	
1,3,5-Trimethylbenzene	ug/L	50	53.1	106	70-130	
1,3-Dichlorobenzene	ug/L	50	53.3	107	70-130	
1,3-Dichloropropane	ug/L	50	51.1	102	70-130	
1,4-Dichlorobenzene	ug/L	50	52.8	106	70-130	
2,2-Dichloropropane	ug/L	50	46.4	93	70-130	
2-Butanone (MEK)	ug/L	100	86.6	87	70-130	
2-Chlorotoluene	ug/L	50	52.3	105	70-130	
2-Hexanone	ug/L	100	95.1	95	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	950	95	70-130	
4-Chlorotoluene	ug/L	50	52.6	105	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	92.0	92	70-130	
Acetone	ug/L	100	80.8	81	70-130	
Acrolein	ug/L	250	323	129	70-130	
Acrylonitrile	ug/L	250	246	99	70-130	
Benzene	ug/L	50	48.8	98	70-130	
Bromobenzene	ug/L	50	53.3	107	70-130	
Bromochloromethane	ug/L	50	53.6	107	70-130	
Bromodichloromethane	ug/L	50	50.3	101	70-130	
Bromoform	ug/L	50	52.1	104	70-130	
Bromomethane	ug/L	50	39.6	79	70-130 v3	
Carbon tetrachloride	ug/L	50	49.3	99	70-130	
Chlorobenzene	ug/L	50	52.9	106	70-130	
Chloroethane	ug/L	50	38.8	78	70-130 v3	
Chloroform	ug/L	50	50.0	100	70-130	
Chloromethane	ug/L	50	51.6	103	70-130	
cis-1,2-Dichloroethene	ug/L	50	48.5	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.4	105	70-130	
Dibromochloromethane	ug/L	50	52.2	104	70-130	
Dibromomethane	ug/L	50	52.7	105	70-130	
Dichlorodifluoromethane	ug/L	50	50.4	101	70-130	
Diisopropyl ether	ug/L	50	48.0	96	70-130	
Ethanol	ug/L	2000	1850	92	70-130	
Ethyl-tert-butyl ether	ug/L	100	90.4	90	70-130	
Ethylbenzene	ug/L	50	51.4	103	70-130	
Hexachloro-1,3-butadiene	ug/L	50	53.8	108	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	46.7	93	70-130	
Methylene Chloride	ug/L	50	44.3	89	70-130	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3786715

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Hexane	ug/L	50	48.5	97	70-130	
Naphthalene	ug/L	50	54.1	108	70-130	
o-Xylene	ug/L	50	52.8	106	70-130	
p-Isopropyltoluene	ug/L	50	54.6	109	70-130	
Styrene	ug/L	50	53.2	106	70-130	
tert-Amyl Alcohol	ug/L	1000	882	88	70-130	
tert-Amylmethyl ether	ug/L	100	95.4	95	70-130	
tert-Butyl Alcohol	ug/L	500	393	79	70-130	
tert-Butyl Formate	ug/L	400	322	81	70-130	
Tetrachloroethene	ug/L	50	51.6	103	70-130	
Toluene	ug/L	50	49.0	98	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.9	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.8	102	70-130	
Trichloroethene	ug/L	50	54.3	109	70-130	
Trichlorofluoromethane	ug/L	50	44.6	89	70-130	
Vinyl acetate	ug/L	100	91.7	92	70-130	
Vinyl chloride	ug/L	50	54.1	108	70-130	
Xylene (Total)	ug/L	150	156	104	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786716 3786717

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92628467042 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1,2-Tetrachloroethane	ug/L	ND	4000	4000	4400	4480	110	112	73-134	2	30		
1,1,1-Trichloroethane	ug/L	ND	4000	4000	4190	4160	105	104	82-143	1	30		
1,1,2,2-Tetrachloroethane	ug/L	ND	4000	4000	4210	4420	105	110	70-136	5	30		
1,1,2-Trichloroethane	ug/L	ND	4000	4000	4360	4320	109	108	70-135	1	30		
1,1-Dichloroethane	ug/L	ND	4000	4000	3870	3820	97	96	70-139	1	30		
1,1-Dichloroethene	ug/L	ND	4000	4000	4160	3970	104	99	70-154	5	30		
1,1-Dichloropropene	ug/L	ND	4000	4000	4490	4230	112	106	70-149	6	30		
1,2,3-Trichlorobenzene	ug/L	ND	4000	4000	4620	4970	116	124	70-135	7	30		
1,2,3-Trichloropropane	ug/L	ND	4000	4000	3660	4510	92	113	71-137	21	30		
1,2,4-Trichlorobenzene	ug/L	ND	4000	4000	4500	4710	113	118	73-140	4	30		
1,2,4-Trimethylbenzene	ug/L	2880	4000	4000	22900	45600	500	1070	71-142	66	30	E,M1	
1,2-Dibromo-3-chloropropane	ug/L	ND	4000	4000	4290	4340	107	109	65-134	1	30		
1,2-Dichlorobenzene	ug/L	ND	4000	4000	4270	4290	107	107	70-133	0	30		
1,2-Dichloroethane	ug/L	ND	4000	4000	3850	3740	96	93	70-137	3	30		
1,2-Dichloropropane	ug/L	ND	4000	4000	4220	4010	105	100	70-140	5	30		
1,3,5-Trimethylbenzene	ug/L	ND	4000	4000	10000	16900	251	423	76-139	51	30	M1,R1	
1,3-Dichlorobenzene	ug/L	ND	4000	4000	4170	4230	104	106	70-135	1	30		
1,3-Dichloropropane	ug/L	ND	4000	4000	4130	4120	103	103	70-143	0	30		

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786716 3786717												
Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		92628467042	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
1,4-Dichlorobenzene	ug/L	ND	4000	4000	4050	4220	101	106	70-133	4	30	
2,2-Dichloropropane	ug/L	ND	4000	4000	3880	3940	97	98	61-148	1	30	
2-Butanone (MEK)	ug/L	ND	8000	8000	8190	8090	102	101	60-139	1	30	
2-Chlorotoluene	ug/L	ND	4000	4000	3660	5100	92	128	70-144	33	30	R1
2-Hexanone	ug/L	ND	8000	8000	8500	9100	106	114	65-138	7	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	80000	80000	81100	88700	101	111	39-157	9	30	
4-Chlorotoluene	ug/L	ND	4000	4000	4180	4060	105	102	70-137	3	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	8000	8000	8160	8410	102	105	65-135	3	30	
Acetone	ug/L	ND	8000	8000	9100	9450	114	118	60-148	4	30	
Acrolein	ug/L	ND	20000	20000	20600	19800	103	99	28-162	4	30	
Acrylonitrile	ug/L	ND	20000	20000	21600	21300	108	107	64-147	1	30	
Benzene	ug/L	5890	4000	4000	10000	10200	103	108	70-151	2	30	
Bromobenzene	ug/L	ND	4000	4000	4150	4100	104	102	70-136	1	30	
Bromochloromethane	ug/L	ND	4000	4000	4140	4070	104	102	70-141	2	30	
Bromodichloromethane	ug/L	ND	4000	4000	4070	4090	102	102	70-138	0	30	
Bromoform	ug/L	ND	4000	4000	4020	4330	101	108	63-130	7	30	
Bromomethane	ug/L	ND	4000	4000	4160	3960	104	99	15-152	5	30	v3
Carbon tetrachloride	ug/L	ND	4000	4000	4550	4390	114	110	70-143	4	30	
Chlorobenzene	ug/L	ND	4000	4000	4210	4320	105	108	70-138	3	30	
Chloroethane	ug/L	ND	4000	4000	4070	3930	102	98	52-163	3	30	
Chloroform	ug/L	ND	4000	4000	4060	3610	101	90	70-139	12	30	
Chloromethane	ug/L	ND	4000	4000	3640	3470	91	87	41-139	5	30	v3
cis-1,2-Dichloroethene	ug/L	ND	4000	4000	4130	4090	103	102	70-141	1	30	
cis-1,3-Dichloropropene	ug/L	ND	4000	4000	4070	4130	102	103	70-137	1	30	
Dibromochloromethane	ug/L	ND	4000	4000	4130	4170	103	104	70-134	1	30	
Dibromomethane	ug/L	ND	4000	4000	4250	4130	106	103	70-138	3	30	
Dichlorodifluoromethane	ug/L	ND	4000	4000	3560	3300	89	83	47-155	8	30	
Diisopropyl ether	ug/L	ND	4000	4000	4070	3950	102	99	63-144	3	30	
Ethanol	ug/L	ND	160000	160000	178000	186000	111	116	39-176	4	30	
Ethyl-tert-butyl ether	ug/L	ND	8000	8000	7760	7790	97	97	66-137	0	30	
Ethylbenzene	ug/L	3510	4000	4000	12000	18300	212	369	66-153	41	30	M1,R1
Hexachloro-1,3-butadiene	ug/L	ND	4000	4000	4420	4520	111	113	65-149	2	30	
m&p-Xylene	ug/L	13800	8000	8000	40700	69000	336	690	69-152	52	30	M1,R1
Methyl-tert-butyl ether	ug/L	117J	4000	4000	4010	3950	97	96	54-156	2	30	
Methylene Chloride	ug/L	ND	4000	4000	4020	3970	101	99	42-159	1	30	
n-Hexane	ug/L	149J	4000	4000	4500	4290	109	104	45-161	5	30	
Naphthalene	ug/L	396	4000	4000	7270	10800	172	260	61-148	39	30	M1,R1
o-Xylene	ug/L	7480	4000	4000	20900	36700	335	731	70-148	55	30	M1,R1
p-Isopropyltoluene	ug/L	ND	4000	4000	5070	5300	127	132	70-146	4	30	
Styrene	ug/L	ND	4000	4000	4340	4510	109	113	70-135	4	30	
tert-Amyl Alcohol	ug/L	22100	80000	80000	121000	130000	123	135	54-153	7	30	
tert-Amylmethyl ether	ug/L	ND	8000	8000	8370	8240	105	103	69-139	2	30	
tert-Butyl Alcohol	ug/L	ND	40000	40000	42800	37300	107	93	43-188	14	30	
tert-Butyl Formate	ug/L	ND	32000	32000	34200	33400	107	104	10-170	2	30	
Tetrachloroethene	ug/L	ND	4000	4000	4010	4230	100	106	59-143	5	30	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786716 3786717													
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92628467042 Result	Spike Conc.	Spike Conc.	Conc.								
Toluene	ug/L	28700	4000	4000	41400	51600	318	572	59-148	22	30	E,M1	
trans-1,2-Dichloroethene	ug/L	ND	4000	4000	4290	4110	107	103	70-146	4	30		
trans-1,3-Dichloropropene	ug/L	ND	4000	4000	4010	4150	100	104	70-135	3	30		
Trichloroethene	ug/L	ND	4000	4000	4440	4360	111	109	70-147	2	30		
Trichlorofluoromethane	ug/L	ND	4000	4000	3820	3770	96	94	70-148	1	30		
Vinyl acetate	ug/L	ND	8000	8000	8260	8320	103	104	49-151	1	30		
Vinyl chloride	ug/L	ND	4000	4000	4110	3900	103	98	70-156	5	30		
Xylene (Total)	ug/L	21300	12000	12000	61600	106000	336	704	63-158	53	30	MS,RS	
1,2-Dichloroethane-d4 (S)	%						93	92	70-130				
4-Bromofluorobenzene (S)	%						101	104	70-130				
Toluene-d8 (S)	%						100	98	70-130				

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

QC Batch: 727432 Analysis Method: EPA 8260D  
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC  
Laboratory: Pace Analytical Services - Charlotte  
Associated Lab Samples: 92628467013, 92628467023, 92628467026

METHOD BLANK: 3788052 Matrix: Water  
Associated Lab Samples: 92628467013, 92628467023, 92628467026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	10/04/22 02:49	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	10/04/22 02:49	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	10/04/22 02:49	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	10/04/22 02:49	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	10/04/22 02:49	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	10/04/22 02:49	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	10/04/22 02:49	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	10/04/22 02:49	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	10/04/22 02:49	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	10/04/22 02:49	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	0.50	10/04/22 02:49	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	10/04/22 02:49	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	10/04/22 02:49	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/04/22 02:49	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	10/04/22 02:49	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	10/04/22 02:49	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	10/04/22 02:49	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	10/04/22 02:49	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	10/04/22 02:49	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	10/04/22 02:49	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	10/04/22 02:49	
2-Chlorotoluene	ug/L	ND	1.0	0.32	10/04/22 02:49	
2-Hexanone	ug/L	ND	5.0	0.48	10/04/22 02:49	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/04/22 02:49	
4-Chlorotoluene	ug/L	ND	1.0	0.32	10/04/22 02:49	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	10/04/22 02:49	
Acetone	ug/L	ND	25.0	5.1	10/04/22 02:49	
Acrolein	ug/L	ND	10.0	8.5	10/04/22 02:49	IL
Acrylonitrile	ug/L	ND	10.0	1.8	10/04/22 02:49	
Benzene	ug/L	ND	1.0	0.34	10/04/22 02:49	
Bromobenzene	ug/L	ND	1.0	0.29	10/04/22 02:49	
Bromochloromethane	ug/L	ND	1.0	0.47	10/04/22 02:49	
Bromodichloromethane	ug/L	ND	1.0	0.31	10/04/22 02:49	
Bromoform	ug/L	ND	1.0	0.34	10/04/22 02:49	
Bromomethane	ug/L	ND	2.0	1.7	10/04/22 02:49	
Carbon tetrachloride	ug/L	ND	1.0	0.33	10/04/22 02:49	
Chlorobenzene	ug/L	ND	1.0	0.28	10/04/22 02:49	
Chloroethane	ug/L	ND	1.0	0.65	10/04/22 02:49	
Chloroform	ug/L	ND	1.0	0.43	10/04/22 02:49	
Chloromethane	ug/L	ND	1.0	0.54	10/04/22 02:49	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

METHOD BLANK: 3788052

Matrix: Water

Associated Lab Samples: 92628467013, 92628467023, 92628467026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	10/04/22 02:49	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/04/22 02:49	
Dibromochloromethane	ug/L	ND	1.0	0.36	10/04/22 02:49	
Dibromomethane	ug/L	ND	1.0	0.39	10/04/22 02:49	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	10/04/22 02:49	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/04/22 02:49	
Ethanol	ug/L	ND	200	72.2	10/04/22 02:49	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/04/22 02:49	
Ethylbenzene	ug/L	ND	1.0	0.30	10/04/22 02:49	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	10/04/22 02:49	
m&p-Xylene	ug/L	ND	2.0	0.71	10/04/22 02:49	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/04/22 02:49	
Methylene Chloride	ug/L	ND	5.0	2.0	10/04/22 02:49	
n-Hexane	ug/L	ND	1.0	0.73	10/04/22 02:49	
Naphthalene	ug/L	ND	1.0	0.64	10/04/22 02:49	
o-Xylene	ug/L	ND	1.0	0.34	10/04/22 02:49	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	10/04/22 02:49	
Styrene	ug/L	ND	1.0	0.29	10/04/22 02:49	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/04/22 02:49	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/04/22 02:49	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/04/22 02:49	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/04/22 02:49	
Tetrachloroethene	ug/L	ND	1.0	0.29	10/04/22 02:49	
Toluene	ug/L	ND	1.0	0.48	10/04/22 02:49	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	10/04/22 02:49	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/04/22 02:49	
Trichloroethene	ug/L	ND	1.0	0.38	10/04/22 02:49	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	10/04/22 02:49	
Vinyl acetate	ug/L	ND	2.0	1.3	10/04/22 02:49	
Vinyl chloride	ug/L	ND	1.0	0.39	10/04/22 02:49	
Xylene (Total)	ug/L	ND	1.0	0.34	10/04/22 02:49	
1,2-Dichloroethane-d4 (S)	%	101	70-130		10/04/22 02:49	
4-Bromofluorobenzene (S)	%	98	70-130		10/04/22 02:49	
Toluene-d8 (S)	%	99	70-130		10/04/22 02:49	

LABORATORY CONTROL SAMPLE: 3788053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.6	103	70-130	
1,1,1-Trichloroethane	ug/L	50	50.5	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.7	101	70-130	
1,1,2-Trichloroethane	ug/L	50	49.3	99	70-130	
1,1-Dichloroethane	ug/L	50	47.7	95	70-130	
1,1-Dichloroethene	ug/L	50	50.1	100	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3788053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	51.8	104	70-130	
1,2,3-Trichlorobenzene	ug/L	50	52.8	106	70-130	
1,2,3-Trichloropropane	ug/L	50	51.1	102	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.8	106	70-130	
1,2,4-Trimethylbenzene	ug/L	50	49.8	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.9	94	70-130	
1,2-Dichlorobenzene	ug/L	50	51.6	103	70-130	
1,2-Dichloroethane	ug/L	50	50.2	100	70-130	
1,2-Dichloropropane	ug/L	50	48.4	97	70-130	
1,3,5-Trimethylbenzene	ug/L	50	51.1	102	70-130	
1,3-Dichlorobenzene	ug/L	50	52.3	105	70-130	
1,3-Dichloropropane	ug/L	50	50.2	100	70-130	
1,4-Dichlorobenzene	ug/L	50	50.5	101	70-130	
2,2-Dichloropropane	ug/L	50	45.6	91	70-130	
2-Butanone (MEK)	ug/L	100	92.5	92	70-130	
2-Chlorotoluene	ug/L	50	48.7	97	70-130	
2-Hexanone	ug/L	100	97.3	97	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	958	96	70-130	
4-Chlorotoluene	ug/L	50	51.1	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	93.8	94	70-130	
Acetone	ug/L	100	94.9	95	70-130	
Acrolein	ug/L	250	225	90	70-130	
Acrylonitrile	ug/L	250	237	95	70-130	
Benzene	ug/L	50	46.7	93	70-130	
Bromobenzene	ug/L	50	51.0	102	70-130	
Bromochloromethane	ug/L	50	50.9	102	70-130	
Bromodichloromethane	ug/L	50	47.8	96	70-130	
Bromoform	ug/L	50	48.5	97	70-130	
Bromomethane	ug/L	50	52.2	104	70-130	
Carbon tetrachloride	ug/L	50	48.6	97	70-130	
Chlorobenzene	ug/L	50	52.0	104	70-130	
Chloroethane	ug/L	50	48.8	98	70-130	
Chloroform	ug/L	50	48.5	97	70-130	
Chloromethane	ug/L	50	41.3	83	70-130	
cis-1,2-Dichloroethene	ug/L	50	49.3	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.4	97	70-130	
Dibromochloromethane	ug/L	50	48.5	97	70-130	
Dibromomethane	ug/L	50	50.5	101	70-130	
Dichlorodifluoromethane	ug/L	50	35.2	70	70-130	
Diisopropyl ether	ug/L	50	47.3	95	70-130	
Ethanol	ug/L	2000	1840	92	70-130	
Ethyl-tert-butyl ether	ug/L	100	94.4	94	70-130	
Ethylbenzene	ug/L	50	50.8	102	70-130	
Hexachloro-1,3-butadiene	ug/L	50	51.8	104	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	48.6	97	70-130	
Methylene Chloride	ug/L	50	41.4	83	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3788053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Hexane	ug/L	50	42.4	85	70-130	
Naphthalene	ug/L	50	51.8	104	70-130	
o-Xylene	ug/L	50	48.7	97	70-130	
p-Isopropyltoluene	ug/L	50	52.0	104	70-130	
Styrene	ug/L	50	51.7	103	70-130	
tert-Amyl Alcohol	ug/L	1000	957	96	70-130	
tert-Amylmethyl ether	ug/L	100	99.7	100	70-130	
tert-Butyl Alcohol	ug/L	500	472	94	70-130	
tert-Butyl Formate	ug/L	400	384	96	70-130	
Tetrachloroethene	ug/L	50	50.1	100	70-130	
Toluene	ug/L	50	48.6	97	70-130	
trans-1,2-Dichloroethene	ug/L	50	50.4	101	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.6	97	70-130	
Trichloroethene	ug/L	50	51.9	104	70-130	
Trichlorofluoromethane	ug/L	50	52.6	105	70-130	
Vinyl acetate	ug/L	100	96.0	96	70-130	
Vinyl chloride	ug/L	50	41.8	84	70-130	
Xylene (Total)	ug/L	150	151	101	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788054 3788055

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92628523001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	23.1	23.1	115	115	73-134	0	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	20	24.8	24.5	124	122	82-143	1	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	21.6	24.0	108	120	70-136	11	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	20	22.2	21.8	111	109	70-135	2	30	
1,1-Dichloroethane	ug/L	ND	20	20	20	22.9	23.3	115	117	70-139	2	30	
1,1-Dichloroethene	ug/L	ND	20	20	20	25.2	25.3	126	127	70-154	1	30	
1,1-Dichloropropene	ug/L	ND	20	20	20	24.6	25.2	123	126	70-149	2	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	20	20.9	20.6	105	103	70-135	2	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	20	19.9	23.5	99	118	71-137	17	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	20	19.3	17.7	96	88	73-140	9	30	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	20	20.1	20.9	100	105	71-142	4	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20	20.0	22.6	100	113	65-134	12	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	20	19.8	19.8	99	99	70-133	0	30	
1,2-Dichloroethane	ug/L	ND	20	20	20	22.9	23.2	114	116	70-137	2	30	
1,2-Dichloropropane	ug/L	ND	20	20	20	23.2	22.7	116	114	70-140	2	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	20	22.1	22.5	110	113	76-139	2	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	20	20.4	19.3	102	96	70-135	6	30	
1,3-Dichloropropane	ug/L	ND	20	20	20	22.5	23.3	112	116	70-143	3	30	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

Parameter	Units	92628523001		3788054		3788055		% Rec	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result									
1,4-Dichlorobenzene	ug/L	ND	20	20	19.1	20.6	96	103	70-133	8	30				
2,2-Dichloropropane	ug/L	ND	20	20	23.9	24.3	120	121	61-148	1	30				
2-Butanone (MEK)	ug/L	ND	40	40	46.9	46.9	117	117	60-139	0	30				
2-Chlorotoluene	ug/L	ND	20	20	20.2	20.7	101	103	70-144	2	30				
2-Hexanone	ug/L	ND	40	40	47.9	51.1	120	128	65-138	6	30				
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	471	510	118	127	39-157	8	30				
4-Chlorotoluene	ug/L	ND	20	20	20.2	20.7	101	103	70-137	2	30				
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	44.6	46.8	111	117	65-135	5	30				
Acetone	ug/L	ND	40	40	46.2	48.7	115	122	60-148	5	30				
Acrolein	ug/L	ND	100	100	123	125	123	125	28-162	1	30	IL			
Acrylonitrile	ug/L	ND	100	100	113	120	113	120	64-147	6	30				
Benzene	ug/L	0.37J	20	20	21.6	21.1	106	104	70-151	2	30				
Bromobenzene	ug/L	ND	20	20	20.0	19.6	100	98	70-136	2	30				
Bromochloromethane	ug/L	ND	20	20	22.4	22.4	112	112	70-141	0	30				
Bromodichloromethane	ug/L	ND	20	20	22.3	22.3	111	111	70-138	0	30				
Bromoform	ug/L	ND	20	20	18.9	20.8	95	104	63-130	9	30				
Bromomethane	ug/L	ND	20	20	22.0	21.1	110	105	15-152	4	30				
Carbon tetrachloride	ug/L	ND	20	20	23.4	23.6	117	118	70-143	1	30				
Chlorobenzene	ug/L	ND	20	20	21.6	22.3	108	112	70-138	3	30				
Chloroethane	ug/L	ND	20	20	27.3	27.1	137	136	52-163	1	30	IK,v1			
Chloroform	ug/L	ND	20	20	23.0	23.5	115	118	70-139	2	30				
Chloromethane	ug/L	ND	20	20	22.2	23.0	111	115	41-139	4	30				
cis-1,2-Dichloroethene	ug/L	ND	20	20	23.3	23.6	117	118	70-141	1	30				
cis-1,3-Dichloropropene	ug/L	ND	20	20	23.9	22.8	119	114	70-137	5	30				
Dibromochloromethane	ug/L	ND	20	20	21.7	22.5	108	113	70-134	4	30				
Dibromomethane	ug/L	ND	20	20	19.6	19.3	98	96	70-138	2	30				
Dichlorodifluoromethane	ug/L	ND	20	20	19.3	19.3	96	96	47-155	0	30				
Diisopropyl ether	ug/L	ND	20	20	23.6	23.8	118	119	63-144	1	30				
Ethanol	ug/L	ND	800	800	1030	1010	129	126	39-176	2	30				
Ethyl-tert-butyl ether	ug/L	ND	40	40	45.2	45.4	113	114	66-137	0	30				
Ethylbenzene	ug/L	ND	20	20	22.5	22.6	112	113	66-153	1	30				
Hexachloro-1,3-butadiene	ug/L	ND	20	20	20.3	21.7	102	109	65-149	7	30				
m&p-Xylene	ug/L	ND	40	40	43.3	45.3	108	113	69-152	5	30				
Methyl-tert-butyl ether	ug/L	0.75J	20	20	24.2	25.1	117	122	54-156	3	30				
Methylene Chloride	ug/L	ND	20	20	21.8	22.5	109	112	42-159	3	30				
n-Hexane	ug/L	ND	20	20	24.0	21.8	120	109	45-161	10	30				
Naphthalene	ug/L	ND	20	20	19.4	19.9	97	99	61-148	3	30				
o-Xylene	ug/L	ND	20	20	21.4	21.5	107	108	70-148	0	30				
p-Isopropyltoluene	ug/L	ND	20	20	22.0	22.3	110	112	70-146	1	30				
Styrene	ug/L	ND	20	20	19.9	20.7	100	103	70-135	4	30				
tert-Amyl Alcohol	ug/L	ND	400	400	454	471	113	118	54-153	4	30				
tert-Amylmethyl ether	ug/L	ND	40	40	45.6	45.2	114	113	69-139	1	30				
tert-Butyl Alcohol	ug/L	ND	200	200	293	311	147	155	43-188	6	30				
tert-Butyl Formate	ug/L	ND	160	160	56.6	53.5	35	33	10-170	6	30				
Tetrachloroethene	ug/L	ND	20	20	20.6	20.3	103	102	59-143	1	30				

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788054 3788055												
Parameter	Units	92628523001		MS	MSD	MS		MSD		% Rec Limits	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Toluene	ug/L	ND	20	20	20.9	20.5	104	102	59-148	2	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	23.7	23.7	119	119	70-146	0	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	22.6	22.5	113	113	70-135	1	30	
Trichloroethene	ug/L	ND	20	20	21.5	21.4	108	107	70-147	1	30	
Trichlorofluoromethane	ug/L	ND	20	20	22.1	21.7	111	108	70-148	2	30	
Vinyl acetate	ug/L	ND	40	40	46.6	48.1	116	120	49-151	3	30	
Vinyl chloride	ug/L	ND	20	20	23.5	23.6	118	118	70-156	0	30	
Xylene (Total)	ug/L	ND	60	60	64.7	66.8	108	111	63-158	3	30	
1,2-Dichloroethane-d4 (S)	%						116	113	70-130			
4-Bromofluorobenzene (S)	%						100	102	70-130			
Toluene-d8 (S)	%						103	100	70-130			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

QC Batch: 727541 Analysis Method: EPA 8260D  
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC  
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92628467012, 92628467027, 92628467030, 92628467034, 92628467043

METHOD BLANK: 3788735 Matrix: Water  
Associated Lab Samples: 92628467012, 92628467027, 92628467030, 92628467034, 92628467043

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	10/03/22 19:25	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	10/03/22 19:25	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	10/03/22 19:25	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	10/03/22 19:25	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	10/03/22 19:25	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	10/03/22 19:25	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	10/03/22 19:25	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	10/03/22 19:25	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	10/03/22 19:25	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	10/03/22 19:25	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	0.50	10/03/22 19:25	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	10/03/22 19:25	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	10/03/22 19:25	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/03/22 19:25	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	10/03/22 19:25	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	10/03/22 19:25	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	10/03/22 19:25	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	10/03/22 19:25	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	10/03/22 19:25	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	10/03/22 19:25	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	10/03/22 19:25	
2-Chlorotoluene	ug/L	ND	1.0	0.32	10/03/22 19:25	
2-Hexanone	ug/L	ND	5.0	0.48	10/03/22 19:25	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/03/22 19:25	
4-Chlorotoluene	ug/L	ND	1.0	0.32	10/03/22 19:25	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	10/03/22 19:25	
Acetone	ug/L	ND	25.0	5.1	10/03/22 19:25	
Acrolein	ug/L	ND	10.0	8.5	10/03/22 19:25	
Acrylonitrile	ug/L	ND	10.0	1.8	10/03/22 19:25	
Benzene	ug/L	ND	1.0	0.34	10/03/22 19:25	
Bromobenzene	ug/L	ND	1.0	0.29	10/03/22 19:25	
Bromochloromethane	ug/L	ND	1.0	0.47	10/03/22 19:25	
Bromodichloromethane	ug/L	ND	1.0	0.31	10/03/22 19:25	
Bromoform	ug/L	ND	1.0	0.34	10/03/22 19:25	
Bromomethane	ug/L	ND	2.0	1.7	10/03/22 19:25	v2
Carbon tetrachloride	ug/L	ND	1.0	0.33	10/03/22 19:25	
Chlorobenzene	ug/L	ND	1.0	0.28	10/03/22 19:25	
Chloroethane	ug/L	ND	1.0	0.65	10/03/22 19:25	
Chloroform	ug/L	ND	1.0	0.43	10/03/22 19:25	
Chloromethane	ug/L	ND	1.0	0.54	10/03/22 19:25	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

METHOD BLANK: 3788735

Matrix: Water

Associated Lab Samples: 92628467012, 92628467027, 92628467030, 92628467034, 92628467043

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	10/03/22 19:25	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/03/22 19:25	
Dibromochloromethane	ug/L	ND	1.0	0.36	10/03/22 19:25	
Dibromomethane	ug/L	ND	1.0	0.39	10/03/22 19:25	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	10/03/22 19:25	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/03/22 19:25	
Ethanol	ug/L	ND	200	72.2	10/03/22 19:25	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/03/22 19:25	
Ethylbenzene	ug/L	ND	1.0	0.30	10/03/22 19:25	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	10/03/22 19:25	
m&p-Xylene	ug/L	ND	2.0	0.71	10/03/22 19:25	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/03/22 19:25	
Methylene Chloride	ug/L	ND	5.0	2.0	10/03/22 19:25	
n-Hexane	ug/L	ND	1.0	0.73	10/03/22 19:25	
Naphthalene	ug/L	ND	1.0	0.64	10/03/22 19:25	
o-Xylene	ug/L	ND	1.0	0.34	10/03/22 19:25	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	10/03/22 19:25	
Styrene	ug/L	ND	1.0	0.29	10/03/22 19:25	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/03/22 19:25	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/03/22 19:25	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/03/22 19:25	v2
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/03/22 19:25	v2
Tetrachloroethene	ug/L	ND	1.0	0.29	10/03/22 19:25	
Toluene	ug/L	ND	1.0	0.48	10/03/22 19:25	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	10/03/22 19:25	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/03/22 19:25	
Trichloroethene	ug/L	ND	1.0	0.38	10/03/22 19:25	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	10/03/22 19:25	
Vinyl acetate	ug/L	ND	2.0	1.3	10/03/22 19:25	
Vinyl chloride	ug/L	ND	1.0	0.39	10/03/22 19:25	
Xylene (Total)	ug/L	ND	1.0	0.34	10/03/22 19:25	
1,2-Dichloroethane-d4 (S)	%	91	70-130		10/03/22 19:25	
4-Bromofluorobenzene (S)	%	95	70-130		10/03/22 19:25	
Toluene-d8 (S)	%	100	70-130		10/03/22 19:25	

LABORATORY CONTROL SAMPLE: 3788736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.2	104	70-130	
1,1,1-Trichloroethane	ug/L	50	47.4	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.4	99	70-130	
1,1,2-Trichloroethane	ug/L	50	50.8	102	70-130	
1,1-Dichloroethane	ug/L	50	47.0	94	70-130	
1,1-Dichloroethene	ug/L	50	44.7	89	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3788736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	50.6	101	70-130	
1,2,3-Trichlorobenzene	ug/L	50	49.6	99	70-130	
1,2,3-Trichloropropane	ug/L	50	46.8	94	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.0	104	70-130	
1,2,4-Trimethylbenzene	ug/L	50	50.8	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.6	101	70-130	
1,2-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,2-Dichloroethane	ug/L	50	44.5	89	70-130	
1,2-Dichloropropane	ug/L	50	50.2	100	70-130	
1,3,5-Trimethylbenzene	ug/L	50	51.9	104	70-130	
1,3-Dichlorobenzene	ug/L	50	51.5	103	70-130	
1,3-Dichloropropane	ug/L	50	50.2	100	70-130	
1,4-Dichlorobenzene	ug/L	50	50.6	101	70-130	
2,2-Dichloropropane	ug/L	50	43.2	86	70-130	
2-Butanone (MEK)	ug/L	100	84.1	84	70-130	
2-Chlorotoluene	ug/L	50	50.8	102	70-130	
2-Hexanone	ug/L	100	91.8	92	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	902	90	70-130	
4-Chlorotoluene	ug/L	50	50.3	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	88.5	89	70-130	
Acetone	ug/L	100	78.2	78	70-130	
Acrolein	ug/L	250	290	116	70-130	
Acrylonitrile	ug/L	250	238	95	70-130	
Benzene	ug/L	50	47.3	95	70-130	
Bromobenzene	ug/L	50	51.9	104	70-130	
Bromochloromethane	ug/L	50	52.1	104	70-130	
Bromodichloromethane	ug/L	50	48.8	98	70-130	
Bromoform	ug/L	50	51.1	102	70-130	
Bromomethane	ug/L	50	37.3	75	70-130 v3	
Carbon tetrachloride	ug/L	50	46.8	94	70-130	
Chlorobenzene	ug/L	50	51.0	102	70-130	
Chloroethane	ug/L	50	36.2	72	70-130	
Chloroform	ug/L	50	47.7	95	70-130	
Chloromethane	ug/L	50	45.4	91	70-130	
cis-1,2-Dichloroethene	ug/L	50	47.0	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.9	102	70-130	
Dibromochloromethane	ug/L	50	51.6	103	70-130	
Dibromomethane	ug/L	50	51.8	104	70-130	
Dichlorodifluoromethane	ug/L	50	38.0	76	70-130	
Diisopropyl ether	ug/L	50	46.3	93	70-130	
Ethanol	ug/L	2000	1730	87	70-130	
Ethyl-tert-butyl ether	ug/L	100	88.1	88	70-130	
Ethylbenzene	ug/L	50	49.5	99	70-130	
Hexachloro-1,3-butadiene	ug/L	50	50.1	100	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	46.0	92	70-130	
Methylene Chloride	ug/L	50	42.4	85	70-130	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3788736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Hexane	ug/L	50	42.7	85	70-130	
Naphthalene	ug/L	50	52.5	105	70-130	
o-Xylene	ug/L	50	51.6	103	70-130	
p-Isopropyltoluene	ug/L	50	52.9	106	70-130	
Styrene	ug/L	50	52.4	105	70-130	
tert-Amyl Alcohol	ug/L	1000	868	87	70-130	
tert-Amylmethyl ether	ug/L	100	93.6	94	70-130	
tert-Butyl Alcohol	ug/L	500	382	76	70-130 v3	
tert-Butyl Formate	ug/L	400	317	79	70-130 v3	
Tetrachloroethene	ug/L	50	49.9	100	70-130	
Toluene	ug/L	50	47.8	96	70-130	
trans-1,2-Dichloroethene	ug/L	50	48.2	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.5	99	70-130	
Trichloroethene	ug/L	50	52.7	105	70-130	
Trichlorofluoromethane	ug/L	50	39.9	80	70-130	
Vinyl acetate	ug/L	100	88.6	89	70-130	
Vinyl chloride	ug/L	50	49.0	98	70-130	
Xylene (Total)	ug/L	150	152	102	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788737 3788738

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92628422008 Result	Spike Conc.	Spike Conc.	Conc.							
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20.5	21.0	103	105	73-134	2	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	23.2	23.5	116	117	82-143	1	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	22.4	22.2	112	111	70-136	1	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	21.1	21.3	106	107	70-135	1	30	
1,1-Dichloroethane	ug/L	ND	20	20	22.8	22.9	114	114	70-139	0	30	
1,1-Dichloroethene	ug/L	ND	20	20	25.3	25.3	127	126	70-154	0	30	
1,1-Dichloropropene	ug/L	ND	20	20	24.8	24.8	124	124	70-149	0	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	19.6	19.6	98	98	70-135	0	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	21.8	22.5	109	112	71-137	3	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	19.4	19.5	97	98	73-140	1	30	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	21.8	21.4	109	107	71-142	1	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	18.8	19.7	94	99	65-134	5	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	21.8	21.9	109	110	70-133	1	30	
1,2-Dichloroethane	ug/L	ND	20	20	23.1	23.5	115	117	70-137	2	30	
1,2-Dichloropropane	ug/L	ND	20	20	22.1	21.7	111	108	70-140	2	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	22.1	22.2	110	111	76-139	1	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	22.1	21.7	110	109	70-135	2	30	
1,3-Dichloropropane	ug/L	ND	20	20	21.4	21.3	107	106	70-143	1	30	

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**QUALITY CONTROL DATA**

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788737 3788738												
Parameter	Units	92628422008		MS	MSD	MS	MSD	MS	MSD	% Rec	Max	
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD	RPD
1,4-Dichlorobenzene	ug/L	ND	20	20	20	21.7	21.7	108	108	70-133	0	30
2,2-Dichloropropane	ug/L	ND	20	20	20	22.6	22.6	113	113	61-148	0	30
2-Butanone (MEK)	ug/L	ND	40	40	40	42.2	45.3	106	113	60-139	7	30
2-Chlorotoluene	ug/L	ND	20	20	20	22.4	22.3	112	112	70-144	0	30
2-Hexanone	ug/L	ND	40	40	40	42.4	43.7	106	109	65-138	3	30
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	400	401	411	100	103	39-157	3	30
4-Chlorotoluene	ug/L	ND	20	20	20	22.9	22.7	115	114	70-137	1	30
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	40	42.1	43.1	105	108	65-135	2	30
Acetone	ug/L	ND	40	40	40	46.6	48.7	117	122	60-148	4	30
Acrolein	ug/L	ND	100	100	100	151	154	151	154	28-162	2	30
Acrylonitrile	ug/L	ND	100	100	100	113	116	113	116	64-147	2	30
Benzene	ug/L	ND	20	20	20	20.6	20.7	103	103	70-151	0	30
Bromobenzene	ug/L	ND	20	20	20	21.7	21.2	108	106	70-136	2	30
Bromochloromethane	ug/L	ND	20	20	20	21.6	21.4	108	107	70-141	1	30
Bromodichloromethane	ug/L	ND	20	20	20	20.9	20.8	105	104	70-138	1	30
Bromoform	ug/L	ND	20	20	20	18.7	18.6	93	93	63-130	0	30
Bromomethane	ug/L	ND	20	20	20	19.9	20.6	100	103	15-152	3	30 v3
Carbon tetrachloride	ug/L	ND	20	20	20	21.0	21.4	105	107	70-143	2	30
Chlorobenzene	ug/L	ND	20	20	20	22.0	21.9	110	110	70-138	0	30
Chloroethane	ug/L	ND	20	20	20	27.2	27.6	136	138	52-163	2	30
Chloroform	ug/L	ND	20	20	20	22.3	23.5	112	118	70-139	5	30
Chloromethane	ug/L	1.8	20	20	20	25.3	25.4	118	118	41-139	0	30
cis-1,2-Dichloroethene	ug/L	ND	20	20	20	22.7	22.3	113	112	70-141	2	30
cis-1,3-Dichloropropene	ug/L	ND	20	20	20	20.2	20.4	101	102	70-137	1	30
Dibromochloromethane	ug/L	ND	20	20	20	18.9	19.3	94	97	70-134	2	30
Dibromomethane	ug/L	ND	20	20	20	20.3	20.3	101	101	70-138	0	30
Dichlorodifluoromethane	ug/L	ND	20	20	20	28.2	28.1	141	141	47-155	0	30
Diisopropyl ether	ug/L	ND	20	20	20	21.0	21.5	105	108	63-144	2	30
Ethanol	ug/L	ND	800	800	800	955	1030	119	128	39-176	7	30
Ethyl-tert-butyl ether	ug/L	ND	40	40	40	40.2	40.7	100	102	66-137	1	30
Ethylbenzene	ug/L	ND	20	20	20	21.9	22.1	110	111	66-153	1	30
Hexachloro-1,3-butadiene	ug/L	ND	20	20	20	22.0	21.2	110	106	65-149	4	30
m&p-Xylene	ug/L	ND	40	40	40	44.7	44.0	112	110	69-152	1	30
Methyl-tert-butyl ether	ug/L	ND	20	20	20	21.0	20.8	105	104	54-156	1	30
Methylene Chloride	ug/L	ND	20	20	20	22.3	22.7	111	113	42-159	2	30
n-Hexane	ug/L	ND	20	20	20	23.9	23.7	120	118	45-161	1	30
Naphthalene	ug/L	ND	20	20	20	19.4	19.5	97	97	61-148	1	30
o-Xylene	ug/L	ND	20	20	20	20.9	21.0	104	105	70-148	0	30
p-Isopropyltoluene	ug/L	ND	20	20	20	22.5	22.3	113	111	70-146	1	30
Styrene	ug/L	ND	20	20	20	20.7	20.8	104	104	70-135	0	30
tert-Amyl Alcohol	ug/L	ND	400	400	400	416	440	104	110	54-153	6	30
tert-Amylmethyl ether	ug/L	ND	40	40	40	41.5	41.0	104	102	69-139	1	30
tert-Butyl Alcohol	ug/L	ND	200	200	200	235	256	118	128	43-188	8	30 v3
tert-Butyl Formate	ug/L	ND	160	160	160	130	116	81	72	10-170	11	30 v3
Tetrachloroethene	ug/L	ND	20	20	20	21.2	20.9	106	105	59-143	1	30

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788737 3788738												
Parameter	Units	92628422008		MS	MSD	MS	MSD	MS	MSD	% Rec	Max	
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD	RPD
Toluene	ug/L	ND	20	20	20	21.4	21.8	107	109	59-148	1	30
trans-1,2-Dichloroethene	ug/L	ND	20	20	20	23.8	23.7	119	118	70-146	0	30
trans-1,3-Dichloropropene	ug/L	ND	20	20	20	20.5	20.9	102	105	70-135	2	30
Trichloroethene	ug/L	ND	20	20	20	22.3	22.1	112	111	70-147	1	30
Trichlorofluoromethane	ug/L	ND	20	20	20	25.0	24.8	125	124	70-148	1	30
Vinyl acetate	ug/L	ND	40	40	40	43.8	44.0	109	110	49-151	1	30
Vinyl chloride	ug/L	ND	20	20	20	26.9	27.2	134	136	70-156	1	30
Xylene (Total)	ug/L	ND	60	60	60	65.5	65.0	109	108	63-158	1	30
1,2-Dichloroethane-d4 (S)	%							107	105	70-130		
4-Bromofluorobenzene (S)	%							99	97	70-130		
Toluene-d8 (S)	%							100	98	70-130		

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

QC Batch: 727717 Analysis Method: EPA 8260D  
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC  
Laboratory: Pace Analytical Services - Charlotte  
Associated Lab Samples: 92628467011, 92628467031, 92628467041, 92628467045, 92628467046, 92628467056

METHOD BLANK: 3789587 Matrix: Water  
Associated Lab Samples: 92628467011, 92628467031, 92628467041, 92628467045, 92628467046, 92628467056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	10/05/22 04:03	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	10/05/22 04:03	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	10/05/22 04:03	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	10/05/22 04:03	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	10/05/22 04:03	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	10/05/22 04:03	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	10/05/22 04:03	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	10/05/22 04:03	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	10/05/22 04:03	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	10/05/22 04:03	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	0.50	10/05/22 04:03	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	10/05/22 04:03	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	10/05/22 04:03	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/05/22 04:03	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	10/05/22 04:03	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	10/05/22 04:03	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	10/05/22 04:03	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	10/05/22 04:03	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	10/05/22 04:03	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	10/05/22 04:03	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	10/05/22 04:03	
2-Chlorotoluene	ug/L	ND	1.0	0.32	10/05/22 04:03	
2-Hexanone	ug/L	ND	5.0	0.48	10/05/22 04:03	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/05/22 04:03	
4-Chlorotoluene	ug/L	ND	1.0	0.32	10/05/22 04:03	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	10/05/22 04:03	
Acetone	ug/L	ND	25.0	5.1	10/05/22 04:03	
Acrolein	ug/L	ND	10.0	8.5	10/05/22 04:03	
Acrylonitrile	ug/L	ND	10.0	1.8	10/05/22 04:03	
Benzene	ug/L	ND	1.0	0.34	10/05/22 04:03	
Bromobenzene	ug/L	ND	1.0	0.29	10/05/22 04:03	
Bromochloromethane	ug/L	ND	1.0	0.47	10/05/22 04:03	
Bromodichloromethane	ug/L	ND	1.0	0.31	10/05/22 04:03	
Bromoform	ug/L	ND	1.0	0.34	10/05/22 04:03	
Bromomethane	ug/L	ND	2.0	1.7	10/05/22 04:03	v2
Carbon tetrachloride	ug/L	ND	1.0	0.33	10/05/22 04:03	
Chlorobenzene	ug/L	ND	1.0	0.28	10/05/22 04:03	
Chloroethane	ug/L	ND	1.0	0.65	10/05/22 04:03	v2
Chloroform	ug/L	ND	1.0	0.43	10/05/22 04:03	
Chloromethane	ug/L	ND	1.0	0.54	10/05/22 04:03	v2

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

METHOD BLANK: 3789587

Matrix: Water

Associated Lab Samples: 92628467011, 92628467031, 92628467041, 92628467045, 92628467046, 92628467056

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	10/05/22 04:03	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/05/22 04:03	
Dibromochloromethane	ug/L	ND	1.0	0.36	10/05/22 04:03	
Dibromomethane	ug/L	ND	1.0	0.39	10/05/22 04:03	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	10/05/22 04:03	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/05/22 04:03	
Ethanol	ug/L	ND	200	72.2	10/05/22 04:03	v1
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/05/22 04:03	
Ethylbenzene	ug/L	ND	1.0	0.30	10/05/22 04:03	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	10/05/22 04:03	
m&p-Xylene	ug/L	ND	2.0	0.71	10/05/22 04:03	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/05/22 04:03	
Methylene Chloride	ug/L	ND	5.0	2.0	10/05/22 04:03	
n-Hexane	ug/L	ND	1.0	0.73	10/05/22 04:03	
Naphthalene	ug/L	ND	1.0	0.64	10/05/22 04:03	
o-Xylene	ug/L	ND	1.0	0.34	10/05/22 04:03	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	10/05/22 04:03	
Styrene	ug/L	ND	1.0	0.29	10/05/22 04:03	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/05/22 04:03	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/05/22 04:03	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/05/22 04:03	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/05/22 04:03	
Tetrachloroethene	ug/L	ND	1.0	0.29	10/05/22 04:03	
Toluene	ug/L	ND	1.0	0.48	10/05/22 04:03	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	10/05/22 04:03	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/05/22 04:03	
Trichloroethene	ug/L	ND	1.0	0.38	10/05/22 04:03	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	10/05/22 04:03	
Vinyl acetate	ug/L	ND	2.0	1.3	10/05/22 04:03	
Vinyl chloride	ug/L	ND	1.0	0.39	10/05/22 04:03	
Xylene (Total)	ug/L	ND	1.0	0.34	10/05/22 04:03	
1,2-Dichloroethane-d4 (S)	%	96	70-130		10/05/22 04:03	
4-Bromofluorobenzene (S)	%	98	70-130		10/05/22 04:03	
Toluene-d8 (S)	%	101	70-130		10/05/22 04:03	

LABORATORY CONTROL SAMPLE: 3789588

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.8	108	70-130	
1,1,1-Trichloroethane	ug/L	50	47.7	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.8	100	70-130	
1,1,2-Trichloroethane	ug/L	50	50.2	100	70-130	
1,1-Dichloroethane	ug/L	50	43.9	88	70-130	
1,1-Dichloroethene	ug/L	50	45.0	90	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3789588

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	51.6	103	70-130	
1,2,3-Trichlorobenzene	ug/L	50	54.9	110	70-130	
1,2,3-Trichloropropane	ug/L	50	47.2	94	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.4	105	70-130	
1,2,4-Trimethylbenzene	ug/L	50	48.5	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.5	101	70-130	
1,2-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,2-Dichloroethane	ug/L	50	43.6	87	70-130	
1,2-Dichloropropane	ug/L	50	47.8	96	70-130	
1,3,5-Trimethylbenzene	ug/L	50	49.4	99	70-130	
1,3-Dichlorobenzene	ug/L	50	49.4	99	70-130	
1,3-Dichloropropane	ug/L	50	49.9	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.7	97	70-130	
2,2-Dichloropropane	ug/L	50	49.3	99	70-130	
2-Butanone (MEK)	ug/L	100	95.5	95	70-130	
2-Chlorotoluene	ug/L	50	48.1	96	70-130	
2-Hexanone	ug/L	100	101	101	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1040	104	70-130	
4-Chlorotoluene	ug/L	50	48.2	96	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.6	99	70-130	
Acetone	ug/L	100	96.3	96	70-130	
Acrolein	ug/L	250	284	114	70-130	
Acrylonitrile	ug/L	250	244	97	70-130	
Benzene	ug/L	50	46.2	92	70-130	
Bromobenzene	ug/L	50	49.0	98	70-130	
Bromochloromethane	ug/L	50	52.4	105	70-130	
Bromodichloromethane	ug/L	50	49.1	98	70-130	
Bromoform	ug/L	50	52.9	106	70-130	
Bromomethane	ug/L	50	39.0	78	70-130 v3	
Carbon tetrachloride	ug/L	50	51.2	102	70-130	
Chlorobenzene	ug/L	50	50.6	101	70-130	
Chloroethane	ug/L	50	42.3	85	70-130 v3	
Chloroform	ug/L	50	46.5	93	70-130	
Chloromethane	ug/L	50	37.9	76	70-130 v3	
cis-1,2-Dichloroethene	ug/L	50	45.4	91	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.2	104	70-130	
Dibromochloromethane	ug/L	50	52.6	105	70-130	
Dibromomethane	ug/L	50	51.3	103	70-130	
Dichlorodifluoromethane	ug/L	50	40.6	81	70-130	
Diisopropyl ether	ug/L	50	48.5	97	70-130	
Ethanol	ug/L	2000	2310	116	70-130 v1	
Ethyl-tert-butyl ether	ug/L	100	92.9	93	70-130	
Ethylbenzene	ug/L	50	49.1	98	70-130	
Hexachloro-1,3-butadiene	ug/L	50	50.2	100	70-130	
m&p-Xylene	ug/L	100	99.0	99	70-130	
Methyl-tert-butyl ether	ug/L	50	46.6	93	70-130	
Methylene Chloride	ug/L	50	48.0	96	70-130	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3789588

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Hexane	ug/L	50	47.4	95	70-130	
Naphthalene	ug/L	50	53.7	107	70-130	
o-Xylene	ug/L	50	50.5	101	70-130	
p-Isopropyltoluene	ug/L	50	50.7	101	70-130	
Styrene	ug/L	50	51.8	104	70-130	
tert-Amyl Alcohol	ug/L	1000	1000	100	70-130	
tert-Amylmethyl ether	ug/L	100	98.6	99	70-130	
tert-Butyl Alcohol	ug/L	500	516	103	70-130	
tert-Butyl Formate	ug/L	400	415	104	70-130	
Tetrachloroethene	ug/L	50	50.2	100	70-130	
Toluene	ug/L	50	46.5	93	70-130	
trans-1,2-Dichloroethene	ug/L	50	44.9	90	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.8	106	70-130	
Trichloroethene	ug/L	50	51.9	104	70-130	
Trichlorofluoromethane	ug/L	50	41.7	83	70-130	
Vinyl acetate	ug/L	100	101	101	70-130	
Vinyl chloride	ug/L	50	43.0	86	70-130	
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3789589 3789590

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92628412006 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1,2-Tetrachloroethane	ug/L	ND	200	200	225	207	112	103	73-134	8	30		
1,1,1-Trichloroethane	ug/L	ND	200	200	244	230	122	115	82-143	6	30		
1,1,2,2-Tetrachloroethane	ug/L	ND	200	200	255	236	128	118	70-136	8	30		
1,1,2-Trichloroethane	ug/L	ND	200	200	231	215	116	107	70-135	7	30		
1,1-Dichloroethane	ug/L	ND	200	200	240	225	120	112	70-139	7	30		
1,1-Dichloroethene	ug/L	ND	200	200	263	244	132	122	70-154	8	30		
1,1-Dichloropropene	ug/L	ND	200	200	257	227	128	113	70-149	12	30		
1,2,3-Trichlorobenzene	ug/L	ND	200	200	209	197	103	97	70-135	6	30		
1,2,3-Trichloropropane	ug/L	ND	200	200	244	224	122	112	71-137	9	30		
1,2,4-Trichlorobenzene	ug/L	ND	200	200	203	189	101	95	73-140	7	30		
1,2,4-Trimethylbenzene	ug/L	ND	200	200	221	208	110	104	71-142	6	30		
1,2-Dibromo-3-chloropropane	ug/L	ND	200	200	214	197	107	98	65-134	8	30		
1,2-Dichlorobenzene	ug/L	13.2	200	200	246	228	116	107	70-133	7	30		
1,2-Dichloroethane	ug/L	ND	200	200	249	231	124	116	70-137	7	30		
1,2-Dichloropropane	ug/L	15.1	200	200	257	233	121	109	70-140	10	30		
1,3,5-Trimethylbenzene	ug/L	ND	200	200	227	210	113	105	76-139	7	30		
1,3-Dichlorobenzene	ug/L	ND	200	200	237	221	114	106	70-135	7	30		
1,3-Dichloropropane	ug/L	ND	200	200	238	216	119	108	70-143	10	30		

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		3789589			3789590							
Parameter	Units	92628412006 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual	
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD		RPD
1,4-Dichlorobenzene	ug/L	48.7	200	200	272	259	112	105	70-133	5	30	
2,2-Dichloropropane	ug/L	ND	200	200	191	184	96	92	61-148	4	30	
2-Butanone (MEK)	ug/L	ND	400	400	513	477	128	119	60-139	7	30	
2-Chlorotoluene	ug/L	ND	200	200	228	215	114	108	70-144	6	30	
2-Hexanone	ug/L	ND	400	400	495	443	124	111	65-138	11	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	4000	4000	4670	4140	117	104	39-157	12	30	
4-Chlorotoluene	ug/L	ND	200	200	230	222	115	111	70-137	3	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	400	400	482	444	121	111	65-135	8	30	
Acetone	ug/L	ND	400	400	561	520	140	130	60-148	8	30	
Acrolein	ug/L	ND	1000	1000	1650	1530	165	153	28-162	8	30 M1	
Acrylonitrile	ug/L	ND	1000	1000	1280	1180	128	118	64-147	8	30	
Benzene	ug/L	43.1	200	200	263	251	110	104	70-151	5	30	
Bromobenzene	ug/L	ND	200	200	225	217	112	108	70-136	4	30	
Bromochloromethane	ug/L	ND	200	200	239	210	119	105	70-141	13	30	
Bromodichloromethane	ug/L	ND	200	200	225	209	113	105	70-138	7	30	
Bromoform	ug/L	ND	200	200	209	189	104	95	63-130	10	30	
Bromomethane	ug/L	ND	200	200	190	186	95	93	15-152	2	30 v3	
Carbon tetrachloride	ug/L	ND	200	200	227	206	113	103	70-143	10	30	
Chlorobenzene	ug/L	138	200	200	367	348	115	105	70-138	6	30	
Chloroethane	ug/L	ND	200	200	288	264	144	132	52-163	9	30	
Chloroform	ug/L	ND	200	200	242	220	121	110	70-139	9	30	
Chloromethane	ug/L	ND	200	200	254	232	127	116	41-139	9	30	
cis-1,2-Dichloroethene	ug/L	ND	200	200	242	223	121	112	70-141	8	30	
cis-1,3-Dichloropropene	ug/L	ND	200	200	211	198	105	99	70-137	6	30	
Dibromochloromethane	ug/L	ND	200	200	211	193	106	96	70-134	9	30	
Dibromomethane	ug/L	ND	200	200	219	208	110	104	70-138	5	30	
Dichlorodifluoromethane	ug/L	ND	200	200	292	263	146	131	47-155	11	30	
Diisopropyl ether	ug/L	ND	200	200	231	217	116	109	63-144	6	30	
Ethanol	ug/L	ND	8000	8000	11000	9980	138	125	39-176	10	30	
Ethyl-tert-butyl ether	ug/L	ND	400	400	444	404	111	101	66-137	9	30	
Ethylbenzene	ug/L	105	200	200	341	322	118	108	66-153	6	30	
Hexachloro-1,3-butadiene	ug/L	ND	200	200	205	195	103	98	65-149	5	30	
m&p-Xylene	ug/L	374	400	400	859	816	121	111	69-152	5	30	
Methyl-tert-butyl ether	ug/L	ND	200	200	230	213	115	106	54-156	8	30	
Methylene Chloride	ug/L	ND	200	200	243	225	122	112	42-159	8	30	
n-Hexane	ug/L	ND	200	200	232	214	116	107	45-161	8	30	
Naphthalene	ug/L	ND	200	200	215	200	107	100	61-148	7	30	
o-Xylene	ug/L	61.3	200	200	288	267	114	103	70-148	8	30	
p-Isopropyltoluene	ug/L	ND	200	200	224	209	112	104	70-146	7	30	
Styrene	ug/L	ND	200	200	225	205	113	102	70-135	10	30	
tert-Amyl Alcohol	ug/L	ND	4000	4000	4790	4490	120	112	54-153	6	30	
tert-Amylmethyl ether	ug/L	ND	400	400	455	426	114	106	69-139	7	30	
tert-Butyl Alcohol	ug/L	ND	2000	2000	3940	3660	174	160	43-188	7	30	
tert-Butyl Formate	ug/L	ND	1600	1600	637	582	40	36	10-170	9	30	
Tetrachloroethene	ug/L	ND	200	200	217	197	109	98	59-143	10	30	

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### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

Parameter	Units	3789589		3789590		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Toluene	ug/L	1260	200	200	1500	1510	121	124	59-148	0	30		
trans-1,2-Dichloroethene	ug/L	ND	200	200	250	226	125	113	70-146	10	30		
trans-1,3-Dichloropropene	ug/L	ND	200	200	214	201	107	101	70-135	6	30		
Trichloroethene	ug/L	ND	200	200	236	222	118	111	70-147	6	30		
Trichlorofluoromethane	ug/L	ND	200	200	254	232	127	116	70-148	9	30		
Vinyl acetate	ug/L	ND	400	400	475	440	119	110	49-151	8	30		
Vinyl chloride	ug/L	ND	200	200	291	268	145	134	70-156	8	30		
Xylene (Total)	ug/L	435	600	600	1150	1080	119	108	63-158	6	30		
1,2-Dichloroethane-d4 (S)	%						105	103	70-130				
4-Bromofluorobenzene (S)	%						101	100	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: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

QC Batch: 727773 Analysis Method: EPA 8260D  
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC  
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92628467007, 92628467009

METHOD BLANK: 3790041 Matrix: Water

Associated Lab Samples: 92628467007, 92628467009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.31	10/04/22 15:20	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	10/04/22 15:20	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	10/04/22 15:20	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	10/04/22 15:20	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	10/04/22 15:20	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	10/04/22 15:20	
1,1-Dichloropropene	ug/L	ND	1.0	0.43	10/04/22 15:20	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.81	10/04/22 15:20	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.26	10/04/22 15:20	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	10/04/22 15:20	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	0.50	10/04/22 15:20	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	10/04/22 15:20	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	10/04/22 15:20	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/04/22 15:20	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	10/04/22 15:20	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	0.33	10/04/22 15:20	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	10/04/22 15:20	
1,3-Dichloropropane	ug/L	ND	1.0	0.28	10/04/22 15:20	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	10/04/22 15:20	
2,2-Dichloropropane	ug/L	ND	1.0	0.39	10/04/22 15:20	
2-Butanone (MEK)	ug/L	ND	5.0	4.0	10/04/22 15:20	
2-Chlorotoluene	ug/L	ND	1.0	0.32	10/04/22 15:20	
2-Hexanone	ug/L	ND	5.0	0.48	10/04/22 15:20	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/04/22 15:20	
4-Chlorotoluene	ug/L	ND	1.0	0.32	10/04/22 15:20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	2.7	10/04/22 15:20	
Acetone	ug/L	ND	25.0	5.1	10/04/22 15:20	
Acrolein	ug/L	ND	10.0	8.5	10/04/22 15:20	IL,v2
Acrylonitrile	ug/L	ND	10.0	1.8	10/04/22 15:20	
Benzene	ug/L	ND	1.0	0.34	10/04/22 15:20	
Bromobenzene	ug/L	ND	1.0	0.29	10/04/22 15:20	
Bromochloromethane	ug/L	ND	1.0	0.47	10/04/22 15:20	
Bromodichloromethane	ug/L	ND	1.0	0.31	10/04/22 15:20	
Bromoform	ug/L	ND	1.0	0.34	10/04/22 15:20	
Bromomethane	ug/L	ND	2.0	1.7	10/04/22 15:20	
Carbon tetrachloride	ug/L	ND	1.0	0.33	10/04/22 15:20	
Chlorobenzene	ug/L	ND	1.0	0.28	10/04/22 15:20	
Chloroethane	ug/L	ND	1.0	0.65	10/04/22 15:20	
Chloroform	ug/L	ND	1.0	0.43	10/04/22 15:20	
Chloromethane	ug/L	ND	1.0	0.54	10/04/22 15:20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

METHOD BLANK: 3790041

Matrix: Water

Associated Lab Samples: 92628467007, 92628467009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	10/04/22 15:20	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/04/22 15:20	
Dibromochloromethane	ug/L	ND	1.0	0.36	10/04/22 15:20	
Dibromomethane	ug/L	ND	1.0	0.39	10/04/22 15:20	
Dichlorodifluoromethane	ug/L	ND	1.0	0.35	10/04/22 15:20	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/04/22 15:20	
Ethanol	ug/L	ND	200	72.2	10/04/22 15:20	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/04/22 15:20	
Ethylbenzene	ug/L	ND	1.0	0.30	10/04/22 15:20	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	1.5	10/04/22 15:20	
m&p-Xylene	ug/L	ND	2.0	0.71	10/04/22 15:20	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/04/22 15:20	
Methylene Chloride	ug/L	ND	5.0	2.0	10/04/22 15:20	
n-Hexane	ug/L	ND	1.0	0.73	10/04/22 15:20	
Naphthalene	ug/L	ND	1.0	0.64	10/04/22 15:20	
o-Xylene	ug/L	ND	1.0	0.34	10/04/22 15:20	
p-Isopropyltoluene	ug/L	ND	1.0	0.41	10/04/22 15:20	
Styrene	ug/L	ND	1.0	0.29	10/04/22 15:20	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/04/22 15:20	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/04/22 15:20	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/04/22 15:20	
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/04/22 15:20	
Tetrachloroethene	ug/L	ND	1.0	0.29	10/04/22 15:20	
Toluene	ug/L	ND	1.0	0.48	10/04/22 15:20	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	10/04/22 15:20	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	10/04/22 15:20	
Trichloroethene	ug/L	ND	1.0	0.38	10/04/22 15:20	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	10/04/22 15:20	
Vinyl acetate	ug/L	ND	2.0	1.3	10/04/22 15:20	
Vinyl chloride	ug/L	ND	1.0	0.39	10/04/22 15:20	
Xylene (Total)	ug/L	ND	1.0	0.34	10/04/22 15:20	
1,2-Dichloroethane-d4 (S)	%	106	70-130		10/04/22 15:20	
4-Bromofluorobenzene (S)	%	97	70-130		10/04/22 15:20	
Toluene-d8 (S)	%	99	70-130		10/04/22 15:20	

LABORATORY CONTROL SAMPLE: 3790042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.8	102	70-130	
1,1,1-Trichloroethane	ug/L	50	49.1	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.7	103	70-130	
1,1,2-Trichloroethane	ug/L	50	50.3	101	70-130	
1,1-Dichloroethane	ug/L	50	46.8	94	70-130	
1,1-Dichloroethene	ug/L	50	49.9	100	70-130	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3790042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	50.8	102	70-130	
1,2,3-Trichlorobenzene	ug/L	50	53.0	106	70-130	
1,2,3-Trichloropropane	ug/L	50	52.9	106	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.3	105	70-130	
1,2,4-Trimethylbenzene	ug/L	50	49.8	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.5	95	70-130	
1,2-Dichlorobenzene	ug/L	50	52.0	104	70-130	
1,2-Dichloroethane	ug/L	50	50.1	100	70-130	
1,2-Dichloropropane	ug/L	50	49.3	99	70-130	
1,3,5-Trimethylbenzene	ug/L	50	50.3	101	70-130	
1,3-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,3-Dichloropropane	ug/L	50	50.8	102	70-130	
1,4-Dichlorobenzene	ug/L	50	50.5	101	70-130	
2,2-Dichloropropane	ug/L	50	48.2	96	70-130	
2-Butanone (MEK)	ug/L	100	96.8	97	70-130	
2-Chlorotoluene	ug/L	50	48.5	97	70-130	
2-Hexanone	ug/L	100	103	103	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1010	101	70-130	
4-Chlorotoluene	ug/L	50	50.1	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.8	100	70-130	
Acetone	ug/L	100	94.9	95	70-130	
Acrolein	ug/L	250	243	97	70-130 IL,v3	
Acrylonitrile	ug/L	250	241	96	70-130	
Benzene	ug/L	50	47.1	94	70-130	
Bromobenzene	ug/L	50	50.2	100	70-130	
Bromochloromethane	ug/L	50	48.6	97	70-130	
Bromodichloromethane	ug/L	50	48.8	98	70-130	
Bromoform	ug/L	50	49.2	98	70-130	
Bromomethane	ug/L	50	51.9	104	70-130	
Carbon tetrachloride	ug/L	50	48.3	97	70-130	
Chlorobenzene	ug/L	50	51.9	104	70-130	
Chloroethane	ug/L	50	50.3	101	70-130	
Chloroform	ug/L	50	46.7	93	70-130	
Chloromethane	ug/L	50	44.1	88	70-130	
cis-1,2-Dichloroethene	ug/L	50	48.0	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.0	100	70-130	
Dibromochloromethane	ug/L	50	48.3	97	70-130	
Dibromomethane	ug/L	50	50.5	101	70-130	
Dichlorodifluoromethane	ug/L	50	44.3	89	70-130	
Diisopropyl ether	ug/L	50	46.9	94	70-130	
Ethanol	ug/L	2000	1900	95	70-130	
Ethyl-tert-butyl ether	ug/L	100	92.1	92	70-130	
Ethylbenzene	ug/L	50	50.9	102	70-130	
Hexachloro-1,3-butadiene	ug/L	50	51.4	103	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	47.7	95	70-130	
Methylene Chloride	ug/L	50	41.3	83	70-130	

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

LABORATORY CONTROL SAMPLE: 3790042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Hexane	ug/L	50	44.9	90	70-130	
Naphthalene	ug/L	50	51.9	104	70-130	
o-Xylene	ug/L	50	48.7	97	70-130	
p-Isopropyltoluene	ug/L	50	51.8	104	70-130	
Styrene	ug/L	50	51.4	103	70-130	
tert-Amyl Alcohol	ug/L	1000	1020	102	70-130	
tert-Amylmethyl ether	ug/L	100	104	104	70-130	
tert-Butyl Alcohol	ug/L	500	490	98	70-130	
tert-Butyl Formate	ug/L	400	385	96	70-130	
Tetrachloroethene	ug/L	50	49.9	100	70-130	
Toluene	ug/L	50	49.2	98	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.2	98	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.2	100	70-130	
Trichloroethene	ug/L	50	52.1	104	70-130	
Trichlorofluoromethane	ug/L	50	53.7	107	70-130	
Vinyl acetate	ug/L	100	99.0	99	70-130	
Vinyl chloride	ug/L	50	44.1	88	70-130	
Xylene (Total)	ug/L	150	151	100	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790043 3790044

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92628412011 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1,2-Tetrachloroethane	ug/L	ND	8000	8000	8610	8620	108	108	73-134	0	30		
1,1,1-Trichloroethane	ug/L	ND	8000	8000	9130	8700	114	109	82-143	5	30		
1,1,2,2-Tetrachloroethane	ug/L	ND	8000	8000	8690	8530	109	107	70-136	2	30		
1,1,2-Trichloroethane	ug/L	ND	8000	8000	8580	8350	107	104	70-135	3	30		
1,1-Dichloroethane	ug/L	ND	8000	8000	8310	7970	104	100	70-139	4	30		
1,1-Dichloroethene	ug/L	ND	8000	8000	9080	8710	114	109	70-154	4	30		
1,1-Dichloropropene	ug/L	ND	8000	8000	9320	8920	116	112	70-149	4	30		
1,2,3-Trichlorobenzene	ug/L	ND	8000	8000	8970	8840	112	110	70-135	1	30		
1,2,3-Trichloropropane	ug/L	ND	8000	8000	8760	8720	110	109	71-137	1	30		
1,2,4-Trichlorobenzene	ug/L	574	8000	8000	9330	9160	109	107	73-140	2	30		
1,2,4-Trimethylbenzene	ug/L	ND	8000	8000	8750	8540	109	107	71-142	2	30		
1,2-Dibromo-3-chloropropane	ug/L	ND	8000	8000	7860	7790	98	97	65-134	1	30		
1,2-Dichlorobenzene	ug/L	1140	8000	8000	10100	10100	112	112	70-133	0	30		
1,2-Dichloroethane	ug/L	ND	8000	8000	8910	8500	111	106	70-137	5	30		
1,2-Dichloropropane	ug/L	727	8000	8000	9460	9240	109	106	70-140	2	30		
1,3,5-Trimethylbenzene	ug/L	ND	8000	8000	8890	8680	111	109	76-139	2	30		
1,3-Dichlorobenzene	ug/L	ND	8000	8000	9110	8890	114	111	70-135	2	30		
1,3-Dichloropropane	ug/L	ND	8000	8000	8640	8400	108	105	70-143	3	30		

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### QUALITY CONTROL DATA

Project: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790043 3790044												
Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		92628412011	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
1,4-Dichlorobenzene	ug/L	635	8000	8000	9470	9270	110	108	70-133	2	30	
2,2-Dichloropropane	ug/L	ND	8000	8000	7910	7670	99	96	61-148	3	30	
2-Butanone (MEK)	ug/L	ND	16000	16000	16300	15600	102	98	60-139	4	30	
2-Chlorotoluene	ug/L	ND	8000	8000	8550	8360	107	104	70-144	2	30	
2-Hexanone	ug/L	ND	16000	16000	17200	17200	108	108	65-138	0	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	160000	160000	164000	164000	103	103	39-157	0	30	
4-Chlorotoluene	ug/L	ND	8000	8000	8880	8840	111	110	70-137	0	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	16000	16000	17100	16700	105	103	65-135	2	30	
Acetone	ug/L	84200	16000	16000	99500	98000	96	86	60-148	2	30	
Acrolein	ug/L	ND	40000	40000	38000	37200	95	93	28-162	2	30	IL,v3
Acrylonitrile	ug/L	ND	40000	40000	41600	40200	104	101	64-147	3	30	
Benzene	ug/L	2680	8000	8000	11200	10900	106	103	70-151	2	30	
Bromobenzene	ug/L	ND	8000	8000	8760	8580	110	107	70-136	2	30	
Bromochloromethane	ug/L	ND	8000	8000	8660	8330	108	104	70-141	4	30	
Bromodichloromethane	ug/L	ND	8000	8000	8400	8220	105	103	70-138	2	30	
Bromoform	ug/L	ND	8000	8000	7200	7190	90	90	63-130	0	30	
Bromomethane	ug/L	ND	8000	8000	8650	8390	108	105	15-152	3	30	v3
Carbon tetrachloride	ug/L	ND	8000	8000	8960	8590	112	107	70-143	4	30	
Chlorobenzene	ug/L	5350	8000	8000	14400	14300	114	112	70-138	1	30	
Chloroethane	ug/L	ND	8000	8000	9400	8840	118	111	52-163	6	30	
Chloroform	ug/L	738	8000	8000	9080	8880	104	102	70-139	2	30	
Chloromethane	ug/L	ND	8000	8000	7230	7000	90	87	41-139	3	30	
cis-1,2-Dichloroethene	ug/L	ND	8000	8000	8550	8290	107	104	70-141	3	30	
cis-1,3-Dichloropropene	ug/L	ND	8000	8000	8220	8000	103	100	70-137	3	30	
Dibromochloromethane	ug/L	ND	8000	8000	7880	7660	98	96	70-134	3	30	
Dibromomethane	ug/L	ND	8000	8000	8720	8560	109	107	70-138	2	30	
Dichlorodifluoromethane	ug/L	ND	8000	8000	7480	7170	93	90	47-155	4	30	
Diisopropyl ether	ug/L	ND	8000	8000	8320	8050	102	98	63-144	3	30	
Ethanol	ug/L	ND	320000	320000	325000	316000	101	99	39-176	3	30	
Ethyl-tert-butyl ether	ug/L	ND	16000	16000	16200	15600	101	98	66-137	4	30	
Ethylbenzene	ug/L	ND	8000	8000	9070	8980	111	110	66-153	1	30	
Hexachloro-1,3-butadiene	ug/L	ND	8000	8000	9330	8830	117	110	65-149	5	30	
m&p-Xylene	ug/L	ND	16000	16000	18100	18000	113	113	69-152	0	30	
Methyl-tert-butyl ether	ug/L	ND	8000	8000	8280	7950	104	99	54-156	4	30	
Methylene Chloride	ug/L	ND	8000	8000	7810	7490	91	86	42-159	4	30	
n-Hexane	ug/L	ND	8000	8000	7540	7450	94	93	45-161	1	30	
Naphthalene	ug/L	ND	8000	8000	8660	8690	108	109	61-148	0	30	
o-Xylene	ug/L	ND	8000	8000	8540	8560	106	106	70-148	0	30	
p-Isopropyltoluene	ug/L	ND	8000	8000	9080	8810	113	110	70-146	3	30	
Styrene	ug/L	ND	8000	8000	8620	8670	108	108	70-135	1	30	
tert-Amyl Alcohol	ug/L	ND	160000	160000	171000	168000	107	105	54-153	2	30	
tert-Amylmethyl ether	ug/L	ND	16000	16000	17700	17200	111	107	69-139	3	30	
tert-Butyl Alcohol	ug/L	ND	80000	80000	81000	79300	101	99	43-188	2	30	
tert-Butyl Formate	ug/L	ND	64000	64000	65100	62800	102	98	10-170	4	30	
Tetrachloroethene	ug/L	ND	8000	8000	8730	8760	109	110	59-143	0	30	

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

### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790043		3790044		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92628412011 Result	MS Spike Conc.	MSD Spike Conc.									
Toluene	ug/L	3720	8000	8000	12500	12200	110	106	59-148	3	30		
trans-1,2-Dichloroethene	ug/L	ND	8000	8000	8760	8260	110	103	70-146	6	30		
trans-1,3-Dichloropropene	ug/L	ND	8000	8000	8000	7810	100	98	70-135	2	30		
Trichloroethene	ug/L	ND	8000	8000	9330	9120	117	114	70-147	2	30		
Trichlorofluoromethane	ug/L	ND	8000	8000	10000	9450	125	118	70-148	6	30		
Vinyl acetate	ug/L	ND	16000	16000	16600	16000	104	100	49-151	4	30		
Vinyl chloride	ug/L	ND	8000	8000	7610	7360	95	92	70-156	3	30		
Xylene (Total)	ug/L	ND	24000	24000	26600	26600	111	111	63-158	0	30		
1,2-Dichloroethane-d4 (S)	%						102	101	70-130				
4-Bromofluorobenzene (S)	%						97	98	70-130				
Toluene-d8 (S)	%						98	97	70-130				

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**REPORT OF LABORATORY ANALYSIS**

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## QUALIFIERS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

### 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.
C9	Common Laboratory Contaminant.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IK	The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

## REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

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### ANALYTE QUALIFIERS

- 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: CIRCLE 866 257CK88613  
Pace Project No.: 92628467

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92628467001	01589 MW-1	EPA 8260D	727123		
92628467002	01589 MW-2	EPA 8260D	727123		
92628467003	01589 MW-3	EPA 8260D	727114		
92628467004	01589 MW-4	EPA 8260D	727114		
92628467005	01589 MW-5	EPA 8260D	727114		
92628467006	01589 MW-7	EPA 8260D	727126		
92628467007	01589 MW-8	EPA 8260D	727773		
92628467008	01589 MW-9	EPA 8260D	727114		
92628467009	01589 MW-10	EPA 8260D	727773		
92628467010	01589 MW-11	EPA 8260D	727114		
92628467011	01589 MW-12	EPA 8260D	727717		
92628467012	01589 MW-13	EPA 8260D	727541		
92628467013	01589 MW-14	EPA 8260D	727432		
92628467014	01589 MW-15	EPA 8260D	727126		
92628467015	01589 MW-16	EPA 8260D	727116		
92628467016	01589 MW-17	EPA 8260D	727116		
92628467017	01589 MW-18	EPA 8260D	727116		
92628467018	01589 MW-19	EPA 8260D	727116		
92628467019	01589 MW-20	EPA 8260D	727116		
92628467020	01589 MW-21	EPA 8260D	727116		
92628467021	01589 MW-22	EPA 8260D	727116		
92628467022	01589 MW-23	EPA 8260D	727116		
92628467023	01589 MW-24	EPA 8260D	727432		
92628467024	01589 MW-25	EPA 8260D	727116		
92628467025	01589 MW-27	EPA 8260D	727116		
92628467026	01589 MW-28	EPA 8260D	727432		
92628467027	01589 MW-29	EPA 8260D	727541		
92628467028	01589 MW-30	EPA 8260D	727121		
92628467029	01589 MW-31	EPA 8260D	727121		
92628467030	01589 MW-32	EPA 8260D	727541		
92628467031	01589 MW-33	EPA 8260D	727717		
92628467032	01589 MW-34	EPA 8260D	727121		
92628467033	01589 MW-35	EPA 8260D	727121		
92628467034	01589 MW-36	EPA 8260D	727541		
92628467035	01589 MW-38	EPA 8260D	727123		
92628467036	01589 DMW-1	EPA 8260D	727121		
92628467037	01589 DMW-2	EPA 8260D	727121		
92628467038	01589 DMW-3	EPA 8260D	727121		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CIRCLE 866 257CK88613

Pace Project No.: 92628467

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92628467039	01589 DMW-4	EPA 8260D	727121		
92628467040	01589 DMW-5	EPA 8260D	727121		
92628467041	01589 RW-2	EPA 8260D	727717		
92628467042	01589 RW-3	EPA 8260D	727126		
92628467043	01589 RW-4	EPA 8260D	727541		
92628467044	01589 RW-7	EPA 8260D	727126		
92628467045	01589 RW-8	EPA 8260D	727717		
92628467046	01589 RW-10	EPA 8260D	727717		
92628467047	01589 RW-12	EPA 8260D	727126		
92628467048	01589 SW-2	EPA 8260D	727121		
92628467049	01589 SW-3	EPA 8260D	727121		
92628467050	01589 SW-4	EPA 8260D	727121		
92628467051	01589 SW-5	EPA 8260D	727121		
92628467052	01589 SW-7	EPA 8260D	727121		
92628467053	01589 SW-8	EPA 8260D	727121		
92628467054	01589 SW-9	EPA 8260D	727121		
92628467055	01559 DUP-1	EPA 8260D	727126		
92628467056	01559 DUP-2	EPA 8260D	727717		
92628467057	01559 FB-1	EPA 8260D	727114		
92628467058	01559 FB-2	EPA 8260D	727114		
92628467059	TRIP BLANK	EPA 8260D	727114		

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DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/202205/12/2022

Laboratory receiving samples:

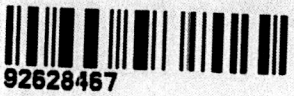
Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name: ATC Group Service Project #

WO#: 92628467

Courier:  Commercial  Fed Ex  UPS  USPS  Client  Other:  Pace



Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: EL 9/30/22

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: 11.3.2 Correction Factor: 0 Add/Subtract (°C)

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

Cooler Temp Corrected (°C): 11.3.2

USDA Regulated Soil (  N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Extra set of trip blanks

Field Data Required?  Yes  No

AGENT NOTIFICATION/RESOLUTION

Lot ID of split containers:

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_



\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.  
Exceptions: VOA, Coliform, TOC, Oil and Grease, DBO/8015 (water) DOC, LHM

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

\*\*\*Check all unpreserved Nitrates for chlorine

**NO# : 92628467**

PM : TMC

CLIENT : 92-ATC\_Colum

Due Date : 10/07/22

Item#	Description	1	2	3	4	5	6	7	8	9	10	11	12
	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	/	/	/	/	/	/	/	/	/	/	/	/
	BP3U-250 mL Plastic Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	BP2U-500 mL Plastic Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	BP1U-1 liter Plastic Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	/	/	/	/	/	/	/	/	/	/	/	/
	BP3N-250 mL plastic HNO3 (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	/	/	/	/	/	/	/	/	/	/	/	/
	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	/	/	/	/	/	/	/	/	/	/	/	/
	WGFU-Wide-mouthed Glass jar Unpreserved	/	/	/	/	/	/	/	/	/	/	/	/
	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	/	/	/	/	/	/	/	/	/	/	/	/
	AG1H-1 liter Amber HCl (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	/	/	/	/	/	/	/	/	/	/	/	/
	AG1S-1 liter Amber H2SO4 (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	AG3S-250 mL Amber H2SO4 (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	/	/	/	/	/	/	/	/	/	/	/	/
	DG9H-40 mL VOA HCl (N/A)	3	3	3	3	3	3	3	3	3	3	3	3
	VG9T-40 mL VOA Na2S2O3 (N/A)												
	VG9U-40 mL VOA Unpreserved (N/A)												
	DG9V-40 mL VOA H3PO4 (N/A)												
	DG9S-40 mL VOA H2SO4 (N/A)												
	V/GK (3 vials per kit)-VPH/Gas kit (N/A)												
	SP5T-125 mL Sterile Plastic (N/A - lab)												
	SP2T-250 mL Sterile Plastic (N/A - lab)												
	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	/	/	/	/	/	/	/	/	/	/	/	/
	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	/	/	/	/	/	/	/	/	/	/	/	/
	VSGU-20 mL Scintillation vials (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	DG9U-40 mL Amber Unpreserved vials (N/A)	/	/	/	/	/	/	/	/	/	/	/	/

**pH Adjustment Log for Preserved Samples**

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

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

Project #

192

\*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, LUHg

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

\*\*\*Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
2																													
3																													
4																													
5																													
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9																													
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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 #

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

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.  
 Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water), DOC, UHlg

Project #

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

\*\*\*Check all unpreserved Nitrates for chlorine

Page 3

Item#	
1	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)
2	BP3U-250 mL Plastic Unpreserved (N/A)
3	BP2U-500 mL Plastic Unpreserved (N/A)
4	BP1U-1 liter Plastic Unpreserved (N/A)
5	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)
6	BP3N-250 mL plastic HNO3 (pH < 2)
7	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)
8	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)
9	WGFU-Wide-mouthed Glass jar Unpreserved
10	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)
11	AG1H-1 liter Amber HCl (pH < 2)
12	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)
	AG1S-1 liter Amber H2SO4 (pH < 2)
	AG3S-250 mL Amber H2SO4 (pH < 2)
	DG94-250 mL Amber NH4Cl (N/A)(Cl-)
	DG9H-40 mL VOA HCl (N/A)
	VG9T-40 mL VOA Na2S2O3 (N/A)
	VG9U-40 mL VOA Unpreserved (N/A)
	DG9V-40 mL VOA H3PO4 (N/A)
	DG9S-40 mL VOA H2SO4 (N/A)
	V/GK (3 vials per kit)-VPH/Gas kit (N/A)
	SP5T-125 mL Sterile Plastic (N/A - lab)
	SP2T-250 mL Sterile Plastic (N/A - lab)
	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)
	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)
	VSGU-20 mL Scintillation vials (N/A)
	DG9U-40 mL Amber Unpreserved vials (N/A)

**pH Adjustment Log for Preserved Samples**

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

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

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 Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LHg  
 \*\*Bottom half of box is to list number of bottles  
 \*\*\*Check all unpreserved Nitrates for chlorine

pH

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	W	W	W	W	W	W	W	W	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	W	W	W	W	W	W	W	W	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	W	W	W	W	W	W	W	W	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	W	W	W	W	W	W	W	W	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	W	W	W	W	W	W	W	W	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	W	W	W	W	W	W	W	W	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	W	W	W	W	W	W	W	W	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	W	W	W	W	W	W	W	W	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	W	W	W	W	W	W	W	W	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	W	W	W	W	W	W	W	W	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	W	W	W	W	W	W	W	W	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	W	W	W	W	W	W	W	W	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples						
Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Effective Date: 05/12/2022

Sample Container Upon Receipt

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

p95

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG15-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	3	3	3	3	3	3	3	3	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	3	3	3	3	3	3	3	3	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	3	3	3	3	3	3	3	3	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	3	3	3	3	3	3	3	3	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	3	3	3	3	3	3	3	3	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	3	3	3	3	3	3	3	3	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	3	3	3	3	3	3	3	3	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	3	3	3	3	3	3	3	3	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	3	3	3	3	3	3	3	3	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	3	3	3	3	3	3	3	3	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	3	3	3	3	3	3	3	3	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	3	3	3	3	3	3	3	3	3	/	/	/	/

pH Adjustment Log for Preserved Samples						
Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



# CHAIN-OF-CUSTODY / Analytical Request Document

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Page : 1 Of 5

<b>Section A</b>		<b>Section B</b>		<b>Section C</b>	
<b>Required Client Information:</b>		<b>Required Project Information:</b>		<b>Invoice Information:</b>	
Company: ATC Group Services, LLC - Columbia	Report To: Brad Hubbard	Address: 6904 North Main Street		Attention:	
Address: 6904 North Main Street	Copy To:	Suite 107, Columbia, SC 29203		Company Name:	
Email: brad.hubbard@atcgs.com	Purchase Order #:	Phone: NONE Fax		Address:	
Requested Due Date:	Project Name: Circle K 886 257CK88613	Pace Project Manager: taylor.cannon@pacelabs.com.		Pace Quote:	
	Project #:	Pace Profile #: 9570			

<b>Regulatory Agency</b>
<b>State / Location</b>
SC

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyses Test	Y/N	VOC by 8260	Trip BLANK	Residual Chlorine (Y/N)		
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other							
						DATE	TIME	DATE	TIME																	
1	01589 MW-1			G				9/28	1113	3					X						3				001	
2	MW-2								922																002	
3	MW-3							V	1418																003	
4	MW-4							9/27	1358																004	
5	MW-5							V	1409																005	
6	<del>MW-6</del>							<del>9/28</del>																		
7	MW-7							9/28	1210																006	
8	MW-8							V	1149																007	
9	MW-9							9/27	1334																008	
10	MW-10								1316																009	
11	MW-11							V	1301																010	
12	V MW-12				V			9/28	904	V		V									V				011	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Bradley Building</i>	9/29/22	1700	<i>FEDEX</i>	9/29/22	10:45	
	<i>Projet A-11</i>	9/29/22	11:15	<i>EL Pace HVI</i>	9/29/22	11:15	
	<i>MC</i>	9/29/22			9/30/22	0800	11/32 Y N Y

<b>SAMPLER NAME AND SIGNATURE</b>		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed:				



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<b>Section A</b>		<b>Section B</b>		<b>Section C</b>	
<b>Required Client Information:</b>		<b>Required Project Information:</b>		<b>Invoice Information:</b>	
Company: ATC Group Services, LLC - Columbia		Report To: Brad Hubbard		Attention:	
Address: 6904 North Main Street		Copy To:		Company Name:	
Suite 107, Columbia, SC 29203		Purchase Order #:		Address:	
Email: brad.hubbard@atcgs.com		Project Name: Circle K 886 257CK88613		Pace Quote:	
Phone: NONE Fax:		Project #:		Pace Project Manager: taylor.cannon@pacelabs.com,	
Requested Due Date:				Pace Profile #: 9570	

<b>Regulatory Agency</b>
<b>State / Location</b>
SC

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique	MATRIX CODE (see valid codes to left)	CODE	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)		
				START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol		Other	Analyses Test		VOC by 8260	Trip BLANK
				DATE	TIME	DATE	TIME															
1	01589 MW-13				9/27	1434		3												012		
2	MW-14					952														013		
3	MW-15					1004														014		
4	MW-16					1102														015		
5	MW-17					1018														016		
6	MW-18					1034														017		
7	MW-19				∇	1049														018		
8	MW-20				9/28	1011														019		
9	MW-21				9/27	1035														020		
10	MW-22					1105														021		
11	MW-23					1249														022		
12	∇ MW-24				∇	1439		∇							∇					023		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Bradley Bolding	9/29/22	1700	FEDEX / m... M.C.	9/29/22	1115	
	M.C.	9/29/22		EL Pace HVI	9/30/22	0800	11/32 Y N P

<b>SAMPLER NAME AND SIGNATURE</b>		TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:						
SIGNATURE of SAMPLER:	DATE Signed:					



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Section A Required Client Information:      Section B Required Project Information:      Section C Invoice Information: Page : **3**    Of **5**

Company: ATC Group Services, LLC - Columbia	Report To: Brad Hubbard	Attention:
Address: 6904 North Main Street	Copy To:	Company Name:
Suite 107, Columbia, SC 29203		Address:
Email: brad.hubbard@atcgs.com	Purchase Order #:	Pace Quote:
Phone: NONE    Fax:	Project Name: Circle K 886 257CK88613	Pace Project Manager: taylor.cannon@pacelabs.com,
Requested Due Date:	Project #:	Pace Profile #: 9570

Regulatory Agency
State / Location
SC

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	CODE	MATRIX CODE (see valid codes to left) SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Analyses Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)		
					START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			VOC by 8260	Trip BLANK													
					DATE	TIME	DATE	TIME																											
1	01589 MW-25			G			9/27	1619	3																						024				
2	MW-27							1310																							025				
3	MW-28							1509																							026				
4	MW-29							1419																							027				
5	MW-30							1049																							028				
6	MW-31						V	1454																							029				
7	MW-32						9/28	1406																							030				
8	MW-33						V	1042																							031				
9	MW-34						9/27	1154																							032				
10	MW-35						V	1121																							033				
11	MW-36						9/28	1600																							034				
12	V MW-38						9/27	1459	V			V																			035				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Bradford Hubbard</i>	9/29/22	1700	<i>FEDEX / AA</i>	9/29/22	10:45	
	<i>Travis A. Hill</i>	9/29/22	1115	<i>EL Pace MVI</i>	9/29/22	1115	
	<i>W. C.</i>	9/29/22			9/30/22	0800	1.1 3.2    Y    N    Y

<b>SAMPLER NAME AND SIGNATURE</b>		
PRINT Name of SAMPLER:		
SIGNATURE of SAMPLER:	DATE Signed:	

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







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Page: **5** of **5**

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
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Address: 6904 North Main Street		Copy To:		Company Name:	
Suite 107, Columbia, SC 29203		Purchase Order #:		Address:	
Email: brad.hubbard@atcgs.com		Project Name: Circle K 886 257CK88613		Pace Quote:	
Phone: NONE Fax:		Project #:		Pace Project Manager: taylor.cannon@pacelabs.com,	
Requested Due Date:		Project #:		Pace Profile #: 9570	

<b>Regulatory Agency</b>
<b>State / Location</b>
SC

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Analyses Test	VOC by 8260 Trip BLANK	Residual Chlorine (Y/N)
						START DATE	START TIME	END DATE	END TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other				
1	01589 SW-2			G		9/28	1740		3				X						3			048	
2	SW-3						1729															049	
3	SW-4						1708															050	
4	SW-5						1020															051	
5	SW-7						1725															052	
6	SW-8						1739															053	
7	SW-9						1759															054	
8	DUP-1						924															055	
9	DUP-2					V	1044															056	
10	FB-1					9/27	1635															057	
11	FB-2					9/28	1656		V													058	
12	V TRIP BLANK			V					2				V						V			059	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Bradley Building	9/29/22	1700	FEDEX	9/29/22	10:45	
	Joni A-H	9/29/22	1115	W L	9/29/22	1115	
				EL Pace HVI	9/30/22	0800	1.1/ Y N Y
							3.2

<b>SAMPLER NAME AND SIGNATURE</b>		TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:						
SIGNATURE of SAMPLER:						

October 04, 2022

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

RE: Project: CIRCLE K 886 257CK88613 DW  
Pace Project No.: 92628466

Dear Brad Hubbard:

Enclosed are the analytical results for sample(s) received by the laboratory on September 30, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Charlotte

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

Sincerely,



Taylor M Cannon  
taylor.cannon@pacelabs.com  
(704)875-9092  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: CIRCLE K 886 257CK88613 DW

Pace Project No.: 92628466

---

### **Pace Analytical Services Charlotte**

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: CIRCLE K 886 257CK88613 DW

Pace Project No.: 92628466

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92628466001	01589 WSW-12	Water	09/28/22 15:56	09/30/22 08:00
92628466002	01589 WSW-13	Water	09/28/22 16:26	09/30/22 08:00
92628466003	01589 WSW-16	Water	09/28/22 15:31	09/30/22 08:00
92628466004	01589 WSW-DUP	Water	09/28/22 15:59	09/30/22 08:00
92628466005	01589 WSW-FB	Water	09/28/22 16:58	09/30/22 08:00
92628466006	01589 TRIP BLANK	Water	09/28/22 00:00	09/30/22 08:00

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: CIRCLE K 886 257CK88613 DW  
Pace Project No.: 92628466

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92628466001	01589 WSW-12	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	LMB	11	PASI-C
92628466002	01589 WSW-13	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	LMB	11	PASI-C
92628466003	01589 WSW-16	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	LMB	11	PASI-C
92628466004	01589 WSW-DUP	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	LMB	11	PASI-C
92628466005	01589 WSW-FB	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	LMB	11	PASI-C
92628466006	01589 TRIP BLANK	EPA 524.2	LMB	10	PASI-C
		EPA 8260D	LMB	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: CIRCLE K 886 257CK88613 DW  
Pace Project No.: 92628466

Sample: 01589 WSW-12      Lab ID: 92628466001      Collected: 09/28/22 15:56      Received: 09/30/22 08:00      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV SC List</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		09/30/22 17:06	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/30/22 17:06	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/30/22 17:06	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/30/22 17:06	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/30/22 17:06	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/30/22 17:06	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/30/22 17:06	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/30/22 17:06	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		09/30/22 17:06	2199-69-1	
4-Bromofluorobenzene (S)	82	%	70-130		1		09/30/22 17:06	460-00-4	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 02:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 02:26	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 02:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 02:26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 02:26	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 02:26	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 02:26	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 02:26	637-92-3	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 02:26	460-00-4	
1,2-Dichloroethane-d4 (S)	125	%	70-130		1		10/01/22 02:26	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		10/01/22 02:26	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE K 886 257CK88613 DW

Pace Project No.: 92628466

**Sample: 01589 WSW-13**      **Lab ID: 92628466002**      Collected: 09/28/22 16:26      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV SC List</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		09/30/22 17:32	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/30/22 17:32	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/30/22 17:32	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/30/22 17:32	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/30/22 17:32	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/30/22 17:32	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/30/22 17:32	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/30/22 17:32	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/30/22 17:32	2199-69-1	
4-Bromofluorobenzene (S)	85	%	70-130		1		09/30/22 17:32	460-00-4	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 02:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 02:44	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 02:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 02:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 02:44	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 02:44	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 02:44	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 02:44	637-92-3	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 02:44	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-130		1		10/01/22 02:44	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		10/01/22 02:44	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE K 886 257CK88613 DW

Pace Project No.: 92628466

**Sample: 01589 WSW-16**      **Lab ID: 92628466003**      Collected: 09/28/22 15:31      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV SC List</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		09/30/22 17:59	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/30/22 17:59	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/30/22 17:59	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/30/22 17:59	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/30/22 17:59	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/30/22 17:59	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/30/22 17:59	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/30/22 17:59	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		09/30/22 17:59	2199-69-1	
4-Bromofluorobenzene (S)	83	%	70-130		1		09/30/22 17:59	460-00-4	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 03:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 03:02	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 03:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 03:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 03:02	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 03:02	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 03:02	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 03:02	637-92-3	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/01/22 03:02	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	70-130		1		10/01/22 03:02	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		10/01/22 03:02	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE K 886 257CK88613 DW  
Pace Project No.: 92628466

**Sample: 01589 WSW-DUP**      **Lab ID: 92628466004**      Collected: 09/28/22 15:59      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV SC List</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		09/30/22 18:25	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/30/22 18:25	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/30/22 18:25	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/30/22 18:25	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/30/22 18:25	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/30/22 18:25	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/30/22 18:25	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/30/22 18:25	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/30/22 18:25	2199-69-1	
4-Bromofluorobenzene (S)	87	%	70-130		1		09/30/22 18:25	460-00-4	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 03:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 03:20	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 03:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 03:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 03:20	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 03:20	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 03:20	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 03:20	637-92-3	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/01/22 03:20	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	70-130		1		10/01/22 03:20	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/01/22 03:20	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE K 886 257CK88613 DW

Pace Project No.: 92628466

**Sample: 01589 WSW-FB**      **Lab ID: 92628466005**      Collected: 09/28/22 16:58      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV SC List</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		09/30/22 13:11	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/30/22 13:11	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/30/22 13:11	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/30/22 13:11	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/30/22 13:11	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/30/22 13:11	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/30/22 13:11	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/30/22 13:11	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	91	%	70-130		1		09/30/22 13:11	2199-69-1	
4-Bromofluorobenzene (S)	76	%	70-130		1		09/30/22 13:11	460-00-4	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 00:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 00:01	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 00:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 00:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 00:01	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 00:01	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 00:01	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 00:01	637-92-3	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/01/22 00:01	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1		10/01/22 00:01	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		10/01/22 00:01	2037-26-5	

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## ANALYTICAL RESULTS

Project: CIRCLE K 886 257CK88613 DW  
Pace Project No.: 92628466

**Sample: 01589 TRIP BLANK**      **Lab ID: 92628466006**      Collected: 09/28/22 00:00      Received: 09/30/22 08:00      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV SC List</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		09/30/22 13:37	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/30/22 13:37	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/30/22 13:37	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/30/22 13:37	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/30/22 13:37	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/30/22 13:37	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/30/22 13:37	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/30/22 13:37	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		09/30/22 13:37	2199-69-1	
4-Bromofluorobenzene (S)	85	%	70-130		1		09/30/22 13:37	460-00-4	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/01/22 00:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/01/22 00:19	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/01/22 00:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/01/22 00:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/01/22 00:19	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/01/22 00:19	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/01/22 00:19	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/01/22 00:19	637-92-3	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/01/22 00:19	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1		10/01/22 00:19	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		10/01/22 00:19	2037-26-5	

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### QUALITY CONTROL DATA

Project: CIRCLE K 886 257CK88613 DW  
Pace Project No.: 92628466

QC Batch: 727088 Analysis Method: EPA 524.2  
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV  
Laboratory: Pace Analytical Services - Charlotte  
Associated Lab Samples: 92628466001, 92628466002, 92628466003, 92628466004, 92628466005, 92628466006

METHOD BLANK: 3786403 Matrix: Water  
Associated Lab Samples: 92628466001, 92628466002, 92628466003, 92628466004, 92628466005, 92628466006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00016	09/30/22 11:27	
Benzene	mg/L	ND	0.00050	0.00021	09/30/22 11:27	
Ethylbenzene	mg/L	ND	0.00050	0.00022	09/30/22 11:27	
m&p-Xylene	mg/L	ND	0.0010	0.00039	09/30/22 11:27	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00014	09/30/22 11:27	
Naphthalene	mg/L	ND	0.00050	0.00035	09/30/22 11:27	
o-Xylene	mg/L	ND	0.00050	0.00022	09/30/22 11:27	
Toluene	mg/L	ND	0.00050	0.00020	09/30/22 11:27	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130		09/30/22 11:27	
4-Bromofluorobenzene (S)	%	89	70-130		09/30/22 11:27	

LABORATORY CONTROL SAMPLE: 3786404

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.025	127	70-130	
Benzene	mg/L	0.02	0.020	102	70-130	
Ethylbenzene	mg/L	0.02	0.022	112	70-130	
m&p-Xylene	mg/L	0.04	0.049	122	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.020	99	70-130	
Naphthalene	mg/L	0.02	0.020	101	70-130	
o-Xylene	mg/L	0.02	0.022	112	70-130	
Toluene	mg/L	0.02	0.021	106	70-130	
1,2-Dichlorobenzene-d4 (S)	%			118	70-130	
4-Bromofluorobenzene (S)	%			111	70-130	

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

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### QUALITY CONTROL DATA

Project: CIRCLE K 886 257CK88613 DW  
Pace Project No.: 92628466

QC Batch: 727114 Analysis Method: EPA 8260D  
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC  
Laboratory: Pace Analytical Services - Charlotte  
Associated Lab Samples: 92628466001, 92628466002, 92628466003, 92628466004, 92628466005, 92628466006

METHOD BLANK: 3786670 Matrix: Water  
Associated Lab Samples: 92628466001, 92628466002, 92628466003, 92628466004, 92628466005, 92628466006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	09/30/22 23:24	
Diisopropyl ether	ug/L	ND	1.0	0.31	09/30/22 23:24	
Ethanol	ug/L	ND	200	72.2	09/30/22 23:24	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	09/30/22 23:24	
tert-Amyl Alcohol	ug/L	ND	100	36.4	09/30/22 23:24	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	09/30/22 23:24	
tert-Butyl Alcohol	ug/L	ND	100	26.8	09/30/22 23:24	
tert-Butyl Formate	ug/L	ND	50.0	29.4	09/30/22 23:24	
1,2-Dichloroethane-d4 (S)	%	118	70-130		09/30/22 23:24	
4-Bromofluorobenzene (S)	%	99	70-130		09/30/22 23:24	
Toluene-d8 (S)	%	102	70-130		09/30/22 23:24	

LABORATORY CONTROL SAMPLE: 3786671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	1000	942	94	70-130	
Diisopropyl ether	ug/L	50	51.4	103	70-130	
Ethanol	ug/L	2000	2270	114	70-130	
Ethyl-tert-butyl ether	ug/L	100	101	101	70-130	
tert-Amyl Alcohol	ug/L	1000	985	98	70-130	
tert-Amylmethyl ether	ug/L	100	102	102	70-130	
tert-Butyl Alcohol	ug/L	500	539	108	70-130	
tert-Butyl Formate	ug/L	400	378	94	70-130	
1,2-Dichloroethane-d4 (S)	%			111	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 3786673

Parameter	Units	92628467010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	400	377	94	39-157	
Diisopropyl ether	ug/L	ND	20	21.5	108	63-144	
Ethanol	ug/L	ND	800	980	122	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	41.4	104	66-137	
tert-Amyl Alcohol	ug/L	ND	400	424	106	54-153	
tert-Amylmethyl ether	ug/L	ND	40	43.2	108	69-139	
tert-Butyl Alcohol	ug/L	ND	200	226	113	43-188	

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

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CIRCLE K 886 257CK88613 DW

Pace Project No.: 92628466

MATRIX SPIKE SAMPLE: 3786673		92628467010	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
tert-Butyl Formate	ug/L	ND	160	135	84	10-170	
1,2-Dichloroethane-d4 (S)	%				108	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 3786672

Parameter	Units	92628467008	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	124	121			
4-Bromofluorobenzene (S)	%	99	98			
Toluene-d8 (S)	%	101	102			

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

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: CIRCLE K 886 257CK88613 DW

Pace Project No.: 92628466

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### DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CIRCLE K 886 257CK88613 DW  
Pace Project No.: 92628466

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92628466001	01589 WSW-12	EPA 524.2	727088		
92628466002	01589 WSW-13	EPA 524.2	727088		
92628466003	01589 WSW-16	EPA 524.2	727088		
92628466004	01589 WSW-DUP	EPA 524.2	727088		
92628466005	01589 WSW-FB	EPA 524.2	727088		
92628466006	01589 TRIP BLANK	EPA 524.2	727088		
92628466001	01589 WSW-12	EPA 8260D	727114		
92628466002	01589 WSW-13	EPA 8260D	727114		
92628466003	01589 WSW-16	EPA 8260D	727114		
92628466004	01589 WSW-DUP	EPA 8260D	727114		
92628466005	01589 WSW-FB	EPA 8260D	727114		
92628466006	01589 TRIP BLANK	EPA 8260D	727114		

### REPORT OF LABORATORY ANALYSIS

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Effective Date: 05/12/202205/12/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

ATC

Project #: WO#: 92628466



92628466

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

Thermometer:  IR Gun ID: 92T064 Type of Ice:  Wet  Blue  None

Cooler Temp: 4.4 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 4.4

USDA Regulated Soil ( N/A, water sample)

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

Biological Tissue Frozen?  Yes  No  N/A

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required?  Yes  No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Effective Date: 05/12/2022 05/12/2022

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

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

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

\*\*\*Check all unpreserved Nitrates for chlorine

Project #

**WO#: 92628466**

PM: TMC

Due Date: 10/07/22

CLIENT: 92-ATC\_Colum

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																3												
2																3												
3																3												
4																3												
5																3												
6																3												
7																2												
8																												
9																												
10																												
11																												
12																												

**pH Adjustment Log for Preserved Samples**

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

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



**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		

