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VARIOUS TANK ACTIONS FOR SOIL BORINGS AND GROUNDWATER SAMPLING AT THE CHICORA TANK FARM CNC CHARLESTON SC
3/1/2009
ADVENT ENVIRONMENTAL INC

VARIOUS TANK ACTIONS
SOIL BORINGS AND GROUNDWATER SAMPLING AT THE CTF

FORMER CHARLESTON NAVAL COMPLEX
NORTH CHARLESTON, SOUTH CAROLINA

Prepared for:

Naval Facilities Engineering Command – Southeast

and

BRAC Program Management Office – Southeast

Contract Number
N62467-06-D-0125
Task Order
0048

ADVENT Project 09-500
March 2009

Various Tank Actions
Soil Borings and Groundwater Sampling at the CTF

Former Charleston Naval Complex
North Charleston, South Carolina

Contract N62467-06-D-0125
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CERTIFICATION PAGE

REGISTERED SOUTH CAROLINA PROFESSIONAL GEOLOGIST CERTIFICATION

By affixing my seal to this report, I certify the data and interpretations stated in the *Various Tank Actions, Soil Borings and Groundwater Sampling at the CTF, Former Charleston Naval Complex (CNC)* are true and accurate to the best of my knowledge. I further certify that I am registered to practice geology in the state of South Carolina and that it is within my professional expertise to verify the correctness of this information.

_____ _____

James W. Weeg Date

Registration Number: 2494 (South Carolina)

LIST OF ACRONYMS AND ABBREVIATIONS

µg/kg	micro-grams per kilogram
µg/L	micro-grams per liter
AST	Aboveground Storage Tank
bgs	below ground surface
BRAC	Base Realignment and Closure Commission
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
CNC	Charleston Naval Complex
CTF	Chicora Tank Farm
DPT	Direct Push Technology
DTW	Depth to Water
FFP	Free Floating Product
MCLs	Maximum Contaminant Levels (derived from US EPA's Region-3 Risk Assessment Table, September 2008)
MSL	Mean Sea Level
NAVFAC	Naval Facilities Engineering Command – Southeast
ND	Not Detected
OVA	Organic Vapor Analyzer
PAH	Polynuclear Aromatic Hydrocarbons
PID	Photo-Ionization Device (a type of OVA)
PMO	Program Management Office
ppm	Parts Per Million
RBSL	Risk Base Screening Level (derived from *South Carolina Risk-Based Corrective Action for Petroleum Releases, May 15, 2001)*
RL	Reporting Limit (derived from SCDHECs *Underground Storage Tank Assessment Guidelines, February 14, 2006)*
SAS	Surficial Aquifer System
SB	Soil Boring
SCDHEC	South Carolina Department of Health and Environmental Control
TMW	Temporary Monitoring Wells
UST	Underground Storage Tank
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

ADVENT Environmental, Inc. (ADVENT) was retained by the Naval Facilities Engineering Command – Southeast (NAVFAC) and the Base Realignment and Closure (BRAC) Program Management Office (PMO) – Southeast to conduct an additional investigation at the Chicora Tank Farm (CTF) via twelve (12) soil borings utilizing Direct Push Technology (DPT). This work was done as part of the task order to provide service for *Various Tank Actions at the Chicora Tank Farm (CTF), Buildings 236, and 1279, and the Reserve Training Center located at the former Charleston Naval Complex (CNC)* in North Charleston, South Carolina. A Work Plan for *Various Tank Actions at the Chicora Tank Farm, Buildings 236, 1279, and the Reserve Training Center* was submitted to the BRAC Office and approved in January 2009. The CTF is located at the intersection of Chicora Parkway and Viaduct Road in North Charleston, South Carolina. A site location map is presented as Figure 1.

1.1 LOCAL SITE DESCRIPTION

The former CNC is located in North Charleston, South Carolina. The CTF was the fuel storage facility, utilizing both aboveground storage tanks (ASTs) and underground storage tanks (USTs), for the former CNC. All aboveground ASTs have been removed as part of the Base Realignment and Closure (BRAC) program.

Local site conditions were assessed by analyzing the topography, geology, hydrogeology, and the overall visual appearance of the property. The following section describes the local site conditions at the CTF.

1.2 TOPOGRAPHY AND SITE CONDITIONS

Topographic relief at the CTF is moderate. Mean elevation at the site is approximately 17 feet above mean sea level (MSL), with a minimum elevation of approximately 5 feet (MW-21) and a maximum elevation of approximately 22 feet (SB/TMW08).

At present, the CTF consists of a fenced, grassy area that contains approximately 25 acres of undeveloped land. The site contains a former maintenance building centrally located on the western edge of the site, as well as two (2) former service buildings, one located at the northern portion of the site and one located at the southern portion of the site.

The CTF is bordered to the northwest by the Charleston County Military Magnet School, to the north by a low lying undeveloped area bordering Noisette Creek, to the east and south by residential housing, and to the west by an industrial facility. A site map showing the location of the former maintenance building as well as the four sampling sites is presented as Figure 2.

1.3 GEOLOGY AND HYDROGEOLOGY

Charleston County, South Carolina, is located within the Coastal Plain Physiographic Province. The Coastal Plain extends along the Atlantic seaboard from Florida to southern New Jersey. The Coastal Plain is characterized by sediments that overlay basement rocks, thickening from just a few feet near the Fall Line to approximately 3,800 feet at the southernmost corner of South Carolina (Hydrologic Investigations Atlas 730-G).

Charleston County overlies the Surficial Aquifer System (SAS) which extends from Southern Florida to North Carolina. The SAS consists mostly of unconsolidated sand and minor beds of shells and oolitic limestone. At depth these formations are generally

confined above and below by impermeable clay layers. SAS sediments range in age from late Miocene to Holocene. The SAS is typically less than 50 feet thick; however the system thickens coastward.

Groundwater flow in the SAS is mostly unconfined. Locally, thin clay beds create semi-confined conditions within the system. Water that enters the SAS moves quickly along short flow paths and discharges as baseflow to streams. Generally, groundwater flows southeast towards the coast. The transmissivity of the SAS is extremely variable depending on location. Well yields in South Carolina average 50 gallons per minute (Hydrologic Investigations Atlas 730-G).

Site specific groundwater flow is generally from the site topographic high at the northwestern edge of the site, towards the site topographic low at the eastern site boundary (the constructed drainage ditch). The groundwater interface on the site is generally encountered at approximately 7 feet below ground surface (bgs); however there are anomalous locations where the interface is as deep at 14 feet bgs, and as shallow as 4 feet bgs.

1.4 HISTORICAL SUMMARY

ADVENT properly abandoned two (2) groundwater monitoring wells (MW-29 and MW-34) in November 2005, prior to excavation of soil in the vicinity of the wells. Two (2) excavations were completed on November 16, 2005 at the former locations of MW-29 and MW-34. The excavations were each approximately 8 feet by 30 feet by 8 feet deep. The soil was screened with an organic vapor analyzer (OVA) and stockpiled for disposal. A total of 40.74 tons of soil that was identified as contaminated (had an OVA reading in excess of 10 parts-per-million [ppm]) was removed from the two excavations and properly disposed of. Once excavation activities were complete, two new groundwater monitoring wells were installed in the same locations (MW-29R and MW-34R).

Soil and groundwater were sampled at the CTF from November 30, 2005 to December 2, 2005. A total of nine (9) soil samples were collected from the two excavations. Soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, and total polynuclear aromatic hydrocarbons (PAHs). Soil samples from the excavation at MW-29 either had no detections or detections below the risk based screening level (RBSL) established by the South Carolina Department of Health and Environmental Control (SCDHEC). Concentrations of naphthalene were detected above the RBSL of 0.036 mg/kg in samples MW-34 North, MW-34 East, and MW-34 Bottom (28 milligrams per kilogram [mg/kg], 15 mg/kg, and 7.5 mg/kg, respectively). Concentrations of naphthalene were reported below the RBSL for the remaining samples.

Concentrations of benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, and chrysene were reported above the PAH RBSL of 0.066 mg/kg in soil samples CTF-MW34 North, CTF-MW34 East, and CTF-MW34 Bottom.

Benzo(a)anthracene concentrations were reported in CTF-MW34 North, CTF-MW34 East, and CTF-MW34 Bottom at 0.91, 0.33, and 0.40 mg/kg, respectively. Concentrations of benzo(b)fluoranthene were reported in CTF-MW34 North, CTF-MW34 East, and CTF-MW34 Bottom at 0.70, 0.27, and 0.35 mg/kg, respectively. Benzo(k)fluoranthene concentrations were reported in CTF-MW34 North, CTF-MW34 East, and CTF-MW34 Bottom at <0.084, 0.14, and 0.16 mg/kg, respectively. Concentrations of chrysene were reported in CTF-MW34 North, CTF-MW34 East, and CTF-MW34 Bottom at 0.91, 0.32, and 0.32 mg/kg, respectively.

One (1) groundwater sample was collected from the bottom of excavation CTF-MW29. Groundwater was not observed in the bottom of excavation CTF-MW34. Concentrations of BTEX, naphthalene, and PAHs were reported below the RBSLs in the excavation water sample CTF-MW29 Bottom.

Results of groundwater sampling for 2005 indicated concentrations of naphthalene that were reported above the RBSL of 25.0 µg/L in the samples from monitoring wells CTF-MW02 and CTF-MW34R at 61 µg/L and 350 µg/L, respectively. Naphthalene concentrations were reported below RBSLs or not detected in all other monitoring wells sampled. Concentrations of BTEX and PAHs were reported below the RBSLs or not detected in all of the twenty-eight (28) monitoring wells sampled.

An additional round of groundwater sampling was conducted on May 8 and 9, 2006. Due to site conditions, ground-water samples were not collected from monitoring wells MW-21 and MW-34R. During the November 2005 depth to water (DTW) round, ADVENT personnel discovered that MW-21 had been destroyed and could not be sampled. A sample was obtained during the November 2005 sampling event, despite the presence of free floating product (FFP) monitoring well MW-34R exhibited a strong petroleum odor during the May 2006 DTW round. Upon further inspection with a clear bailer, approximately five (5) inches of FFP was discovered on top of the water column.

Concentrations of naphthalene were reported above the RBSL of 25.0 µg/L in monitoring well MW-02. Naphthalene concentrations increased in MW-02 between semi-annual periods from 61 µg/L in December 2005 to 180 µg/L in May 2006.

In November 2005, monitoring well MW-34R contained naphthalene concentrations at 350 µg/L, and no FFP was observed in the well. During the May 2006 monitoring event, MW-34R was not sampled because FFP was discovered in the well. Approximately 5-inches of FFP were observed when a clear bailer was retrieved from MW-34R on May 9, 2006. Concentrations of naphthalene were reported below the RBSL or not detected (ND) in all other CTF monitoring wells sampled during the May 2006 semi-annual monitoring event.

Concentrations of BTEX were reported below their respective RBSLs or ND in all 27 monitoring wells sampled during the November 2005 and May 2006 semi-annual monitoring events.

Concentrations of total PAHs were reported below the cumulative RBSL (25.0 µg/L) or not detected in all of the 27 monitoring wells sampled during the May 2006 semi-annual event.

Sampling at the CTF was resumed in August 2008. As part of continued monitoring of the CTF, ADVENT attempted to sample 29 monitoring wells. ADVENT personnel conducted a site inspection on August 5, 2008 to identify well locations and physical condition. At this time it was established that vegetation growth at the site had not been controlled in the interim between sampling events. Additionally, a portion of the site had been used to stockpile construction debris.

ADVENT conducted brush clearance on the site on July 23, 2008, in an effort to find the flush-mount wells known to exist. After brush clearance it was established that of the twenty-nine (29) wells known to be on the site, only twenty-five (25) where still present. Two wells had been destroyed (MW-21 and MW-26) in the period between the 2008 sampling event and the last sampling event in June 2006, and two wells had been buried (MW-22 and MW-25) under construction debris that is stockpiled on the site as indicated on Figure 2. Therefore, these wells were not sampled during the 2008 sampling event.

Twenty five (25) monitoring wells were sampled on August 6 and 7, 2008 at the CTF. Field activities were conducted in accordance with the approved workplan (ADVENT, 2008).

ADVENT sampled twenty five (25) monitoring wells were sampled on February 10 and 11, 2009 at the CTF. Approximately six (6) inches of floating free product (FFP) were

encountered at MW-34R when attempting to establish depth to water (DTW). Normal methodology would dictate that a sample not be collected at this location, but after a discussion with a representative from SCDHEC and the BRAC Commission, it was decided that well would be purged as normal and a sample would be collected in an effort to build the database for the site.

As expected, sample MW-34R exceeded the reporting limit (RL) for naphthalene (5µg/L) with a concentration of 166 µg/L. Additionally benzene, ethyl-benzene, toluene, and total xylenes were detected in the sample from MW-34R. However, these detections were below the established RL.

2.0 CHICORA TANK FARM SOIL BORINGS

ADVENT performed twelve (12) soil borings at the CTF, using a South Carolina Certified Well Driller, at the former CNC located in North Charleston, South Carolina on February 17, 2009. SCDHEC authorization for drilling is included in Appendix B.

2.1 SOIL BORING LOCATIONS

Twelve (12) soil borings were performed in the vicinity of MW-34R. The boring plan was to drill three borings downgradient from MW-34R, two borings sidegradient, and the remaining seven borings upgradient in an attempt to isolate the source of the FFP found in MW-34R. This plan was performed successfully for all locations. A site map/boring location map is presented as Figure 2.

2.2 ORGANIC VAPOR ANALYZER RESULTS AT SOIL BORINGS

All of the borings were sedimentologically similar. The bedding layers where thinly varved layers of silts and sands that are typically indicative of fluvial environments such as that encountered at the CTF site. The DPT drill-rig collects core samples in 5 foot intervals. Due to the downward pressure of the drill head there is often compaction of the sample. As such, this is why the results recorded in the field log describe sample run and recovery length (See Appendix A).

In accordance with the approved ADVENT Work Plan (dated January 14, 2009), each sample interval was contained in an airtight bag and allowed to volatilize for 5 minutes. At the end of 5 minutes, the headspace in the airtight bag was analyzed using a Photo-Ionization Device (PID), a type of OVA that analyzes volatile organic compounds (VOCs) that are naturally volatilized through exposure to open air or sunlight.

Sample intervals where collected continually at each boring location until groundwater was encountered. The sampling interval with the highest PID reading was then sampled

using an Econo 5035 Sample Smart Kit™. PID results of note were at CTF SB02, where the 5-10 foot interval was collected (PID reading = 255 ppm), and at CTF SB04, where the 5-10 foot interval was collected (PID reading = 74 ppm). The collected samples where sent to a South Carolina certified laboratory and sampled for BTEX and naphthalene via EPA Method 8260.

2.3 SOIL BORING ANALYTICAL RESULTS

Two of the analytical samples substantially exceeded the maximum contaminant level's (MCLs) contained in the United States Environmental Protection Agency's (USEPA's) Region-3 Risk Assessment Table, dated September 2008. CTF SB02 exceeded the MCLs for naphthalene (0.55 µg/kg) and m&p-xylene (3.2 µg/kg) with results of 7,740 µg/kg and 1,200 µg/kg, respectively. CTF SB05 exceeded the MCLs for ethylbenzene (1.9 µg/kg), naphthalene (0.55 µg/kg), and m&p-xylene (3.2 µg/kg) with results of 8.0 µg/kg, 12.6 µg/kg, and 20.5 µg/kg, respectively.

3.0 CTF GROUNDWATER SAMPLING

Core sample collection and analysis ceased once groundwater was encountered at each soil boring site. The boring was advanced far enough, at each site, to allow a temporary monitoring well (TMW) to be installed with a minimum of 5 feet of screened interval below the water table. These TMWs consisted of 1 inch ID, schedule-40 PVC pipe, set to a depth of 15 feet below ground surface (bgs) with a five foot screened interval. A sand filter was installed from approximately 15 feet bgs to 8 feet bgs. A bentonite seal was installed from approximately 8 feet bgs to ground surface.

3.1 TMW PURGING AND SAMPLE COLLECTION

TMW installation was completed on February 17, 2009. On February 18, 2009 ADVENT personnel purged the TMWs in accordance with the *EPA Ground Water Issue, Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures*, dated April 1996. Once purging was completed, samples were collected and analyzed by a South Carolina certified laboratory for VOCs via EPA Method 8260.

3.2 GROUNDWATER ANALYTICAL RESULTS

Three of the analytical samples exceeded the MCLs contained in the USEPA's Region-3 Risk Assessment Table, dated September 2008. CTF TMW02 exceeded the MCL for naphthalene (0.14 µg/L) with a result of 17.6 µg/L. CTF TMW05 exceeded the MCL for naphthalene with a result of 0.52 µg/L. CTF TMW07 exceeded the MCL for Benzene (5 µg/L) and naphthalene, with results of 13.7 µg/L and 139 µg/L, respectively.

3.3 TEMPORARY MONITORING WELLS ABANDONMENT

ADVENT abandoned the twelve TMWs at the CTF, using a South Carolina Certified Well Driller at the former CNC located in North Charleston, South Carolina on February

18, 2009. Abandonment documentation (DHEC Form 1903) for the twelve TMWs is included in Appendix C.

All twelve TMWs consisted of temporary, stick-up wells set directly into the ground, and where located in grassy areas. The well piping was removed using a winch on the DPT drill rig. Grouting of the wells was by forced injection of a bentonite/cement mixture through a tremie pipe. The abandonment was carried out as one continuous operation and the wells were filled from the bottom of the well to the ground surface.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Previous site work has encountered FFP within the water column in MW-34R during multiple sampling events. Contaminants were not identified in any of the surrounding wells, which prompted a DPT investigation to assist in identifying the source of the contaminants.

Soil borings where conducted in a grid pattern surrounding MW-34R, predominantly upgradient, in an attempt to identify a potential source and fate of the documented contaminants. Once the soil samples had been collected, TMWs were installed in the borings. TMWs were then purged and sampled.

Laboratory analysis identified high levels of contamination at three of the locations (CTF SB02, CTF SB05, and CTF TMW07), predominantly for naphthalene and m&p-xylenes. Data analysis showed that concentrations of the contaminants of concern (COCs) were much greater in the soil samples than in the groundwater in the vicinity of STF SB02 and SB05. This indicates that the predominant source of the contamination is likely resident in the soils, above the groundwater interface. Data concentrations also indicate that COCs present in the water table are likely being flushed into the water table by precipitation percolating through the overlying soils at these two boring locations. CTF TMW07 is anomalous in that there are significantly elevated levels of benzene and naphthalene present in the groundwater, but these COCs where not detected in the overlying soils.

ADVENT recommends a limited excavation of the soils in the area of CTF SB02, CTF SB05, CTF TMW07, and MW-34R. ADVENT recommends that MW-34R be properly abandoned prior to the excavations, and then re-installed after the excavations. This monitoring well can then be used to monitor the effectiveness of the soil excavation over a period of at least two to three more semi-annual sampling events. In addition, ADVENT recommends that a permanent monitoring well be installed in the vicinity of CTF TMW07 and be monitored with the remainder of the site groundwater monitoring

wells for the remainder of work at the site. Prior to the initiation of field excavations, ADVENT recommends a limited historical search be conducted to further investigate potential sources and flow paths from existing or former piping associated with the former ASTs.

TABLES

Table-1
Historical Groundwater Analytical Results for VOCs
Chicora Tank Farm, Former CNC
North Charleston, South Carolina
December 2005 - February 2009

COC/Method	MW-02				MW-03				MW-04				RBSL
	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	
8260 MSV Low Level	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Ethylbenzene	**0.24**	ND	**0.90J**	**0.47J**	ND	ND	ND	ND	ND	ND	ND	ND	700
Methyl-tert-buty ether (MTBE)	NS	ND	**0.43J**	ND	NS	NS	ND	ND	NS	NS	ND	ND	40
Naphthalene	**61**	**180**	ND	ND	ND	ND	ND	**0.41J**	ND	ND	ND	ND	25
Toluene	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000
m&p -xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,000
o-xylene	ND	ND	**0.29J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,000

COC/Method	MW-05				MW-08				MW-09				RBSL
	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	
8260 MSV Low Level	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700
Methyl-tert-buty ether (MTBE)	NS	NS	ND	ND	NS	NS	ND	ND	NS	NS	ND	ND	40
Naphthalene	ND	ND	ND	**4.9**	**1.9**	ND	ND	ND	ND	ND	ND	ND	25
Toluene	ND	ND	ND	**0.29J**	**0.32**	ND	ND	ND	**2.4**	ND	ND	ND	1,000
m&p -xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,000
o-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,000

COC/Method	MW-10				MW-11				MW-14				RBSL
	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	08/06/08	
8260 MSV Low Level	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
Benzene	**0.26**	ND	ND	ND	ND	ND	ND	ND	**1.9**	ND	**1.9**	**1.0**	5
Ethylbenzene	**0.95**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700
Methyl-tert-buty ether (MTBE)	NS	NS	ND	ND	NS	NS	ND	ND	NS	NS	**3.1**	**3.1**	40
Naphthalene	**4.2**	**9.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25
Toluene	**0.22**	ND	ND	ND	**0.25**	ND	ND	ND	**2.8**	ND	ND	ND	1,000
m&p -xylene	**1.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,000
o-xylene	**1.5**	ND	**0.28J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,000

Table-1
Historical Groundwater Analytical Results for VOCs
Chicora Tank Farm, Former CNC
North Charleston, South Carolina
December 2005 - February 2009

COC/Method	MW-15				MW-16				MW-17				RBSL
	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	
8260 MSV Low Level	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
Benzene	ND	ND	ND	ND	**0.93**	ND	**1.4**	**0.75J**	**2.4**	**2.3**	**1.7**	**1.7**	5
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700
Methyl-tert-buty ether (MTBE)	NS	NS	ND	ND	NS	NS	**2.5**	ND	NS	NS	**2.2**	**2.1**	40
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25
Toluene	**0.30**	ND	ND	ND	**1.2**	ND	ND	ND	**0.31**	ND	ND	ND	1,000
m&p -xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,000
o-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,000

COC/Method	MW-19				MW-20				MW-22				RBSL
	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	
8260 MSV Low Level	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**		**µg/L**	**µg/L**	**µg/L**			**µg/L**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Well Destroyed	Well Destroyed	5
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			700
Methyl-tert-buty ether (MTBE)	NS	NS	**0.85J**	**0.51J**	NS	NS	ND	ND	NS	NS			40
Naphthalene	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND			25
Toluene	**0.24**	ND	ND	ND	**0.52**	**0.52**	ND	**0.30J**	**4.1**	ND			1,000
m&p -xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5,000
o-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5,000

COC/Method	MW-23				MW-24				MW-25				RBSL
	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	
8260 MSV Low Level	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**			**µg/L**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Well Destroyed	Well Destroyed	5
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			700
Methyl-tert-buty ether (MTBE)	NS	NS	ND	ND	NS	NS	ND	ND	NS	NS			40
Naphthalene	ND	ND	ND	ND	**2.2**	ND	ND	ND	**1.5**	ND			25
Toluene	**0.29**	ND	ND	ND	**0.37**	ND	ND	ND	**0.30**	ND			1,000
m&p -xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5,000
o-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			5,000

Table-1
Historical Groundwater Analytical Results for VOCs
Chicora Tank Farm, Former CNC
North Charleston, South Carolina
December 2005 - February 2009

COC/Method	MW-26				MW-27				MW-28				RBSL
	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	
8260 MSV Low Level	µg/L	µg/L			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Benzene	ND	ND	Well Destroyed	Well Destroyed	**0.40**	**0.40**	ND	ND	ND	ND	ND	ND	5
Ethylbenzene	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	700
Methyl-tert-buty ether (MTBE)	NS	NS			NS	NS	ND	ND	NS	NS	ND	ND	40
Naphthalene	ND	ND			ND	ND	ND	ND	**1.1**	**0.772**	ND	ND	25
Toluene	**0.33**	ND			ND	ND	ND	ND	**0.56**	ND	ND	ND	1,000
m&p -xylene	ND	ND			ND	ND	ND	ND	ND	ND	**4.1**	ND	5,000
o-xylene	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	5,000

COC/Method	MW29R				MW-30				MW-31				RBSL
	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	12/01/05	05/09/06	08/06/08	02/10/09	
8260 MSV Low Level	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700
Methyl-tert-buty ether (MTBE)	NS	NS	ND	ND	NS	NS	ND	ND	NS	NS	ND	ND	40
Naphthalene	**1.2**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25
Toluene	**0.61**	ND	ND	ND	**0.37**	ND	ND	ND	**1.9**	ND	ND	ND	1,000
m&p -xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,000
o-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,000

COC/Method	MW-32				MW-33				MW-34R				RBSL
	11/30/2005	5/9/2006	8/6/2008	2/10/2009	11/30/2005	5/9/2006	8/6/2008	2/10/2009	12/1/2005	5/8/2006	8/6/2008	2/10/2009	
8260 MSV Low Level	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	**2.3**	ND	**1.4**	**1.0**	5
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	**43**	ND	**11.1**	**4.8**	700
Methyl-tert-buty ether (MTBE)	NS	NS	ND	ND	NS	NS	ND	ND	NS	NS	ND	ND	40
Naphthalene	**20**	**20**	ND	ND	ND	ND	ND	ND	**350**	ND	**51.4**	**166**	25
Toluene	**4.1**	ND	ND	ND	**0.21**	ND	ND	ND	**8.6**	ND	**0.31J**	**0.31J**	1,000
m&p -xylene	ND	ND	ND	ND	ND	ND	ND	ND	**110**	ND	**14.8**	**6.9**	5,000
o-xylene	ND	ND	ND	ND	ND	ND	ND	ND	**110**	ND	**0.27J**	ND	5,000

Table-1
Historical Groundwater Analytical Results for VOCs
Chicora Tank Farm, Former CNC
North Charleston, South Carolina
December 2005 - February 2009

COC/Method	MW-35				RBSL
	12/2/2005	5/8/2006	8/6/2008	2/10/2009	
8260 MSV Low Level	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	700
Methyl-tert-buty ether (MTBE)	NS	NS	ND	ND	40
Naphthalene	**1.1**	**3.61**	ND	ND	25
Toluene	ND	ND	ND	ND	1,000
m&p -xylene	ND	ND	ND	ND	5,000
o-xylene	ND	ND	ND	ND	5,000

Created by: JWW, 03/09/09
Checked by: ECS, 03/09/09

COC = Constituent of Concern
µ g/L = microgram per liter
ND = Not Detected
NS = This Parameter not sampled for during this event
RBSL = Risk Based Screening Level (from Table-B1, South Carolina Risk-Based Corrective Action For Petroleum Releases, May 15, 2001)
Red = Value exceeds the RBSL
Bold = COC detected
J = Estimted concentration above the adjusted method detection limit and below the adjusted reporting limit.

Table-2
Analytical Results For Soil and Groundwater Sampling
Chicora Tank Farm, Former CNC
North Charleston, South Carolina
February 17 & 18, 2009

Water Samples													
COC/Method	**TMW01**	**TMW02**	**TMW03**	**TMW04**	**TMW05**	**TMW06**	**TMW07**	**TMW08**	**TMW09**	**TMW10**	**TMW11**	**TMW12**	**MCL**
8260 MSV Low Level	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
Benzene	ND	ND	ND	ND	**1.3**	ND	**13.7**	**0.30J**	ND	ND	ND	ND	5
Ethylbenzene	ND	**2.3**	ND	ND	ND	ND	**19.0**	ND	ND	ND	ND	ND	700
Naphthalene	ND	**17.6**	ND	ND	**0.52J**	ND	**139**	ND	ND	ND	ND	ND	0.14
Toluene	**2.0**	**0.60J**	**3.4**	**3.1**	**0.83J**	**0.44J**	**32.4**	**2.0**	ND	**0.45J**	**1.2**	ND	1,000
m&p -xylene	ND	**8.8**	ND	ND	ND	ND	**61.7**	ND	ND	ND	ND	ND	3,000
o-xylene	ND	ND	ND	ND	ND	ND	**42.8**	ND	ND	ND	ND	ND	1,400

Soil Samples													
COC/Method	**SB01**	**SB02**	**SB03**	**SB04**	**SB05**	**SB06**	**SB07**	**SB08**	**SB09**	**SB10**	**SB11**	**SB12**	**MCL**
8260 MSV Low Level	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**	**µg/kg**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23
Ethylbenzene	ND	**483J**	ND	ND	**8.0**	ND	ND	ND	ND	ND	ND	ND	1.9
Naphthalene	ND	**7740**	ND	ND	**12.6**	ND	ND	ND	ND	ND	ND	ND	0.55
Toluene	**2.5J**	ND	**11.9**	**11.0**	**1.8J**	**6.0**	ND	**6.0**	**6.3**	**5.6**	**23.7**	ND	760
m&p -xylene	ND	**1200**	ND	ND	**20.5**	ND	ND	ND	ND	ND	ND	ND	3.2
o-xylene	ND	ND	ND	ND	**1.4J**	ND	ND	ND	ND	ND	ND	ND	1.6

Created by: JWW, 03/23/09
Checked by: ECS, 03/23/09

COC = Contaminant of Concern
ug/L = micrograms per liter
ug/kg = micrograms per kilogram
ND = Not Detected
MCL = Maximum Contaminant Level based on US EPA Region-3 Risk Assessment Table, Dated September 2008
Red = Value exceeds the MCL
Bold = Constituent of Concern detected
J = Estimted concentration above the adjusted method detection limit and below the adjusted reporting limit.

FIGURES

Prepared for:

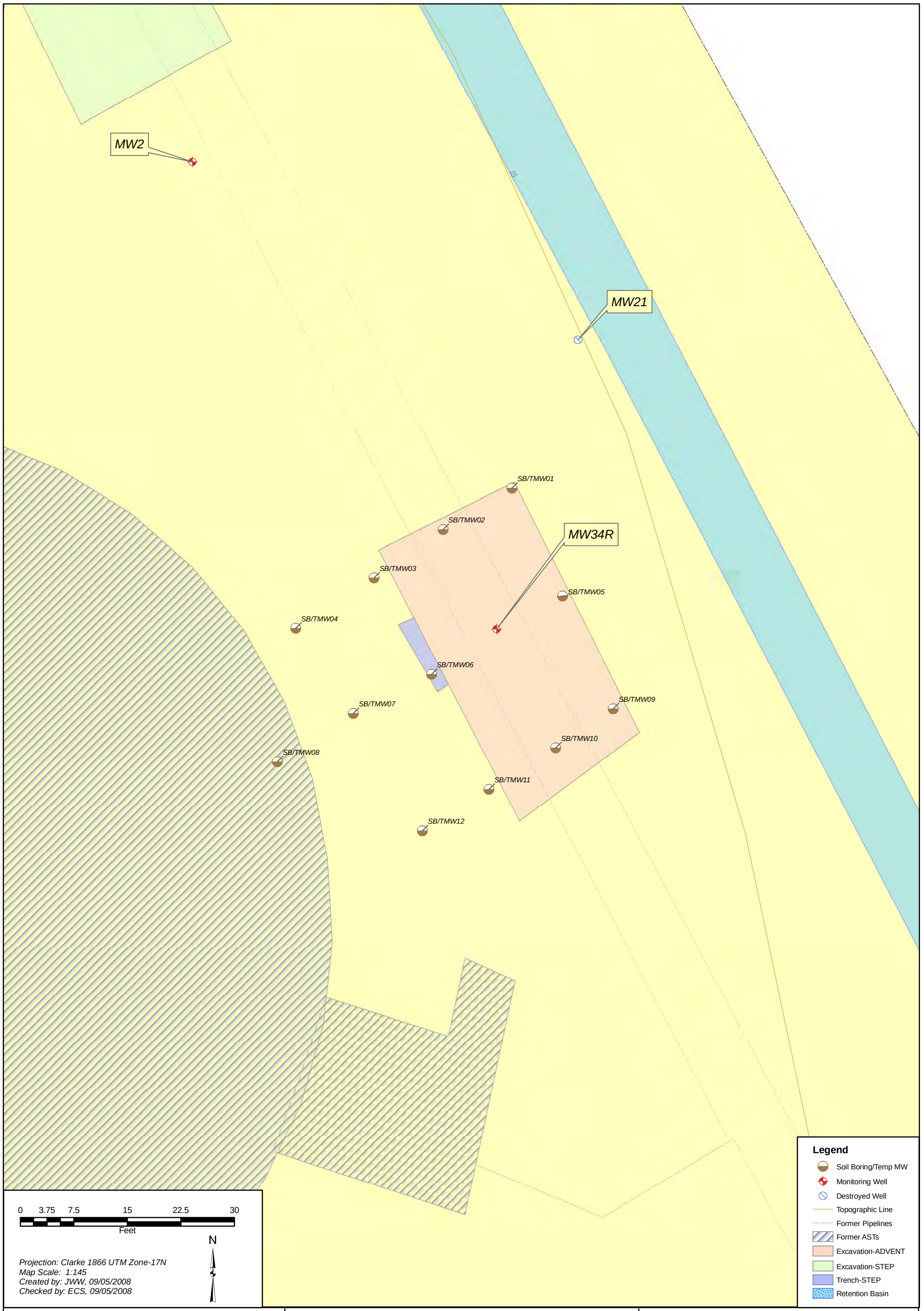
Prepared by:

ADVENT Environmental, Inc.
498 Wando Park Blvd., Suite 500
Mt. Pleasant, SC 29464

Figure 1

Site Location Map
Chicora Tank Farm, Former CNC
Charleston, South Carolina
ADVENT Project 09-500
March 2009

Source: SC GIS Data Clearinghouse



Prepared for:

Prepared by:

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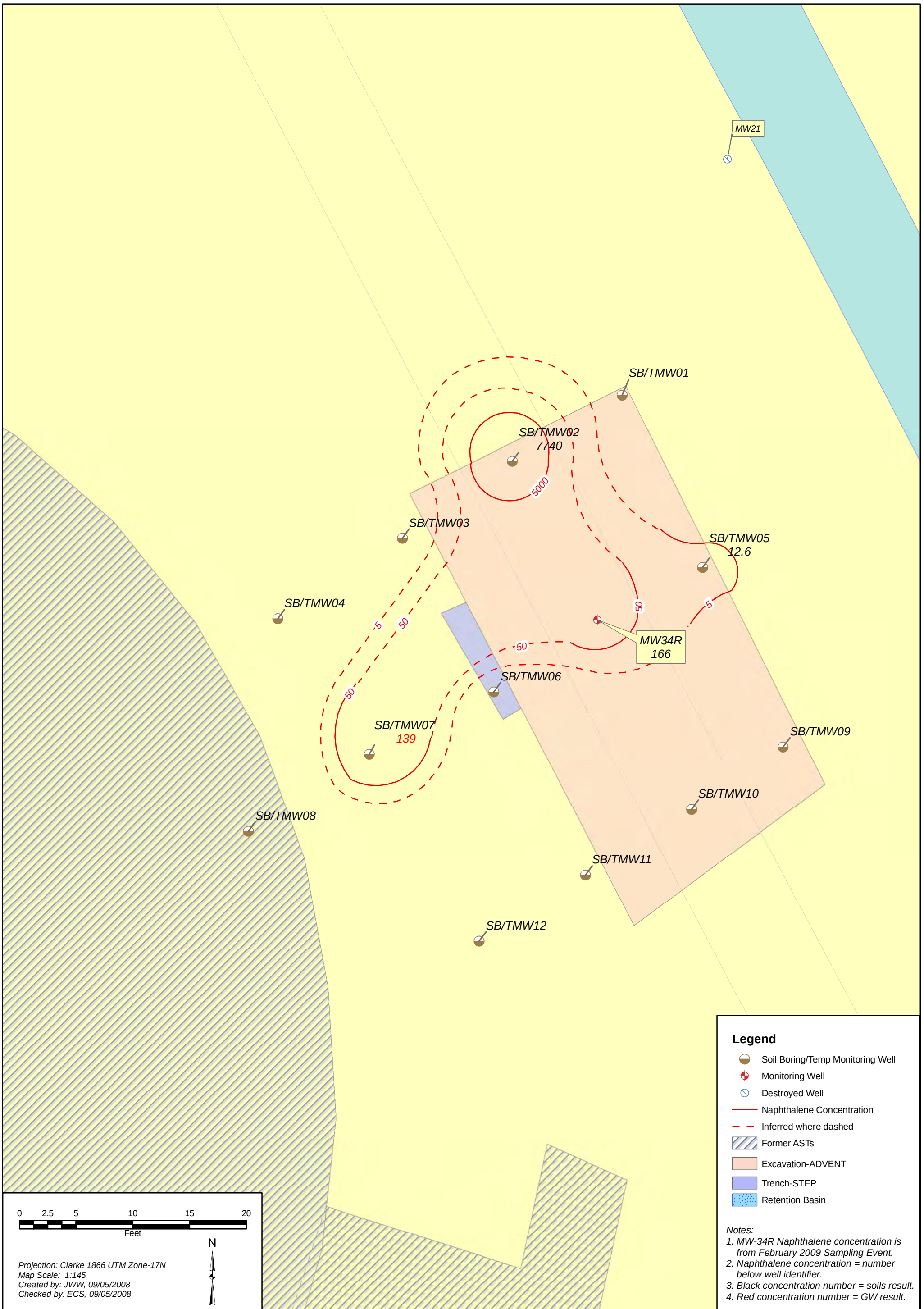
Mt. Pleasant, SC 29464

Figure-2

Site Map
Chicora Tank Farm, Former CNC
North Charleston, SC
ADVENT Project 09-500
March 2009

Source: SC GIS Data Clearinghouse



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Prepared by:

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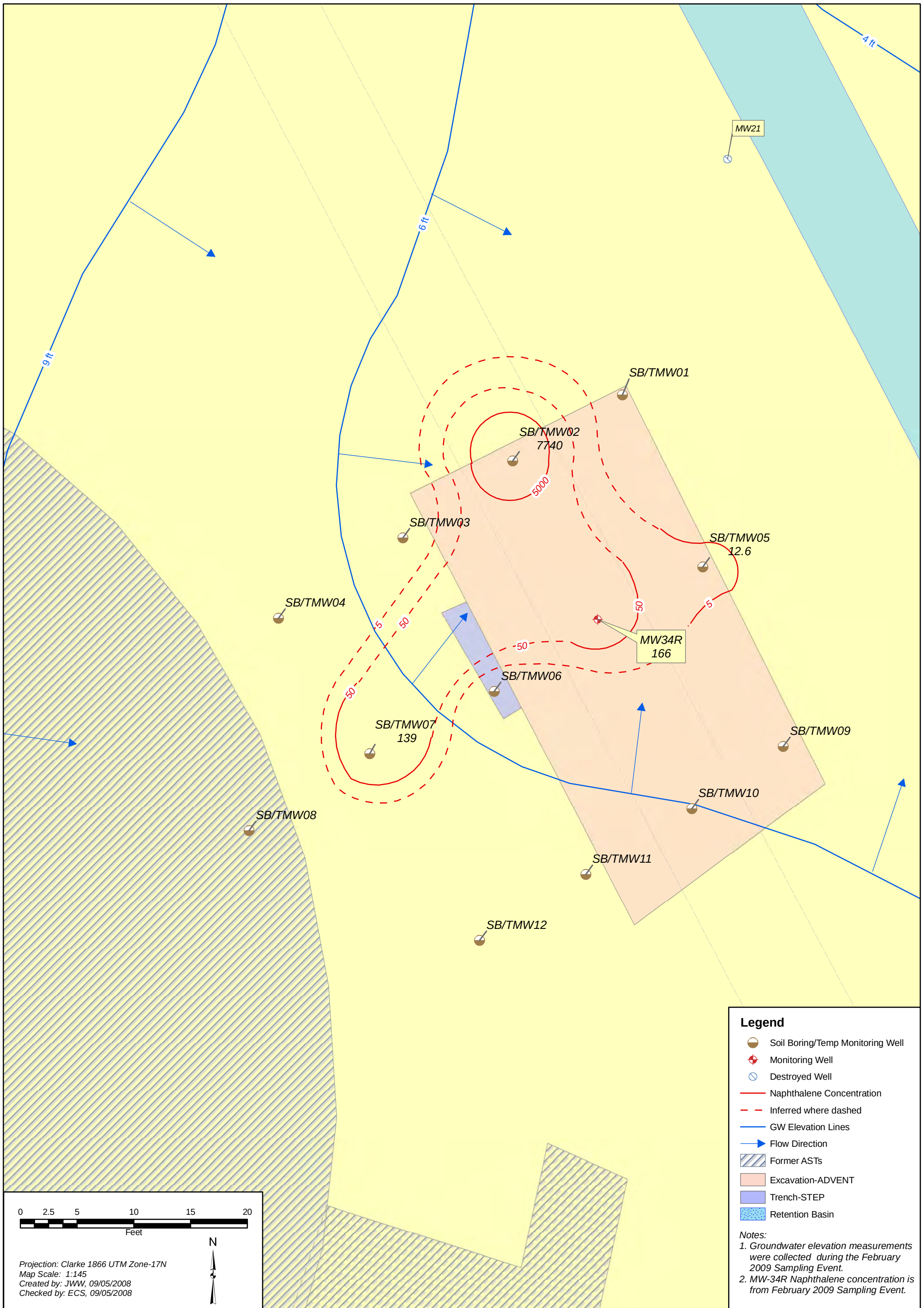
Mt. Pleasant, SC 29464

Figure-3

Naphthalene Concentration Map
Chicora Tank Farm, Former CNC
North Charleston, SC
ADVENT Project 09-500
March 2009

Source: SC GIS Data Clearinghouse



Prepared for:

Prepared by:

ADVENT Environmental, Inc.
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Mt. Pleasant, SC 29464

Figure-4

Potentiometric Map
Chicora Tank Farm, Former CNC
North Charleston, SC
ADVENT Project 09-500
March 2009

Source: SC GIS Data Clearinghouse

APPENDIX A

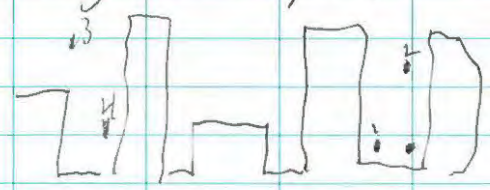
Date 02/17/09
Weather CLR 35°F
Location CNC
TDT 0720
Pers JMW

0720 - Onsite at CNC awaiting LH with probe tech personnel

0745 - Made contact with Melissa Sherman (FLETC Env.) about passes - long term security clearance delay get around - will do day passes at gate.

0800 - LH with probe tech & more to RTC

0830 - Begin DPT Ops at RTC



SB-1 0-3ft. recovery 0-5' — PID 83.4
Organics 0-1'
Red clay 1-2
Light Sandy silt 2-3

4ft recovery 5'-10' — PID 5.0
fine light sand 0-1
Dark organics 1-2
Tan clay 2-4
- Water table at approx. 8'
- Drill to 15' to emplace TMW

SB-2 4' Recovery 0-5' — PID 19.9
Organics 0-1.5
Dark Sandy Silt - no aroma 1.5-2
White coarse sand 2-2.5
Dark fine sand 2.5-4.0

- Water table at 5.5'
- Emplace WM at 10'

0905 - Sample SB-01 0-5' Interval
0910 - Sample SB-02 0-5' Interval

: 4' recovery 0-5' Interval PID
Organics - 0-1 0.6
Fine tan sand 1-3
Dark med. Sand 3-4
- Water table at Approx 4' bgs

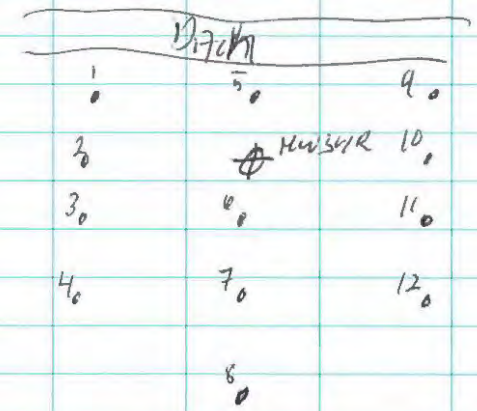
-1 3' recovery 0-5' Interval PID
Organics - 0-0.5' 0.7
Dark, med Sand 0.5-3'

4' recovery 5-10' Interval PID
Brown Med Sand 0-1' 0.2
Black Med/Coarse Sand 1-4'
- Water Table at ≈ 9' bgs

- Sampled SBØ3 0-5' Int.
- Sampled SBØ4 0-5' Int.
- Sampled Duplicate

- Move to CTF

Fence



SBØ1 - 0-5' Int. 4' Recovery PID
Organics 0-1 3.1
Red, clayey Sand 1-3.5
Tan, fine Sand 3.5-4.0

- 5-10' Int. 4' Recovery PID
Red/Tan fine Sand 0-1 2.2
Tan fine Sand 1-4
Water Table ≈ 6'

:- 0-5' Int 4' Recovery — PID 0.4
Organics 0-0.5
Brown, Fine Sand 0.5-4

- 5-10' Int. 2' Recovery — PID 255
Brown, Fine Sand 0-1
Gray, Fine Sand 1-2
- Water table ≈ 6'

- Sampled SB02 5-10 Int.

2- 0-5' Int. 4' Recovery — PID 3.2
Organics 0-1
Red, Sandy Silt 1-3
Brown, Sandy Silt 3-4

- 5-10 Int. 4' Recovery — PID 2.6
Brown, Sandy Silt 0-2
Tan, Coarse, Sand 2-4
Water Table ≈ 7' BGS

SB04- 0'-5' Int. 4' Recovery — PID 14.3
Organics 0-1
Brown, Silty Sand 1-4
Smells like fuel

- 5'-10' Int. 3' Recovery — PID 0.9
Brown, Silty Sand 0-1.5
Red, Sandy, Clay 1.5-2.5
White, Coarse Sand 2.5-3.0
Smells like fuel
- DTW ≈ 10'

1220 - Sampled SB04 0-5' Int.

SB05 - 0'-5' Int. 4' Recovery — PID 0.0
Organics 0-0.5
Tan sandy clay 0.5-3.5
Red clay 3.5-4.0

5-10' Int. 3' Recovery — PID

- 0-5 Int. 4' Recovery — PID 28.6
Organics 0-0.5
Brown Sandy Silt 0.5-3.5
Tan Medium Sand 3.5-4.0

-5-10 Int. 3' Recovery — PID 16.8
Tan Medium Sand 0-2
Brown Coarse Sand 2-3
DTW ≈ 7'

- Sampled SB Ø6 0-5' Int.

- 0-5' Int. 4' Recovery — PID 1.7
Organics 0-0.5
Brown, Silty Sand 0.5-2.0
Red Sandy Clay 2.0-2.5
Brown, Silty Sand 2.5-4.0

-5-10 Int. 4' Recovery — PID 1.4
Brown Silty Sand 0-2

1410 - Sampled SB Ø7 0-5' Int.

1415 - Collected Dup from SB07 Site

SBØ8 - 0-5' Int. 4' Recovery — PID 6.6
Organics 0-1
Brown, Silty Sand 1-4

-5-10' Int. 4' Recovery — PID 2.5
Brown Silty Sand 0-1
Gray Red. Sand 1-3
Red Clay 3-3.5
Black Silty Sand 3.5-4.0
-DTW ≈ 9'

1425 - Sampled SB Ø8 0-5' Int.

SB ~~04~~ 12 - 0-5' Int. 4' Recovery — PID 10.6
Organics 0-0.5
Brown Silty Sand 0.5-3.0

- 5-10 Int. 3' Recovery — PID 14.4
  Brown Silty Sand 0-1
  Red Clay 1-2
  Sandy Gravel 2-3

- DTW ≈ 9'

- Sampled SB12 5-10' Int.

- 0-5 Int. 4' Recovery — PID 7.7
  Organics 0-0.5
  Brown Silty Sand 0.5-3.0
  Red Silty Sand 3.0-4.0

- 5-10 Int. 4' Recovery — PID 12.1
  Red Silty Sand 0-2
  Black Clayey Sand 2-4

- DTW ≈ 7'

SB10 - 0-5' Int. 4' Recovery — PID 11.3
  Organics 0-0.5
  Brown Silty Sand 0.5-2.0
  Red Clay 2.0-2.5
  Brown Silty Sand 2.5-4.0

- 5-10' Int. 3' Recovery — PID 27.4
  Brown Silty Sand 0-1
  Gray, Coarse Sand 1-3

- DTW ≈ 6'

1510 - Sampled SB10 5-10 int.

SB09 - 0-5' Int. 4' Int. — PID 10.4
  Organics 0-0.5
  Red Sandy Clay 0.5-4

- 5-10 Int. 3' Recovery — PID 9.5
  Gray Sand, Coarse 0-2

0 - CB sampled CTF TMW Ø1

0 - CB sampled CTF TMW Ø2

- CB Sampled CTF TMW Ø3

- CB Sampled CTF TMW Ø4

- CB Sampled CTF TMW Ø7

- CB Sampled CTF TMW Ø6

- CB Sampled CTF TMW Ø5

0 - CB Sampled CTF TMW Ø9

5 - JW Sampled CTF TMW 12

- JW Sampled CTF TMW 11

water was only able to fill one 40ml VOA.

1320 - Off site after Probe Tech personnel finished abandoning wells.

5 - Marking all temporary wells

- Off site - elevate to Fedex

Date 2/18/09
Location CTF + RTC
TOT 0730
Weather Rain, 50°F
Personnel TW + CB

0730 - Onsite at CTF - load-out sample kits to CB - I will go to RTC & Sample wells.

0800 - Begin sampling at the RTC

0840 - Sampled RTC TMW01

0910 - Sampled RTC TMW02

0940 - Sampled RTC TMW03

1015 - Sampled RTC TMW04 and collected RTC TMW DUP

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PROJECT SITE NAME: Chicora Tank Farm
PROJECT NUMBER: 09-500
Depth to Water: 7.7

WELL ID: CTF TMW-01
DATE: ~~2/18/09~~ ~~2/18/08~~ 2/18/08
DTB: —

Well Volume: (DTB - DTW) x 0.17 = Well Volume: (15 - 7.7) x 0.08 = 0.58 gal.

Time (Hrs)	Water Level (Ft below TOC)	Volume (gal)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP (mV)	Comments
0850	7.95	0.25	6.82	0.180	-5.0	1.35	17.15	-119	Turbidity inconsistent
0853	7.95	0.45	6.87	0.171	925	1.13	17.40	-141	
0856	7.95	0.70	6.92	0.163	423	1.07	17.52	-153	
0859	7.95	0.95	6.93	0.159	220	1.03	17.51	-157	

Sample Time: 0900

Total Vol. Purged: 1.10 gal

Fe^{2+}: NA
H_2S: NA
Diss. CO_2: NA

Stabilization Factors
pH ± 0.1 DO ± 10%
Conductivity ± 3% Turbidity ± 10%
ORP ± 10Mv

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LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Chicora Tank Farm
PROJECT NUMBER: 09-500
Depth to Water: 8.63

WELL ID: CTF TMW - Q2
DATE: 2/18/09
DTB: —

Well Volume: (DTB - DTW) x 0.17 = Well Volume: — (15 - 8.63) x 0.08 = 0.51 gal

Time (Hrs)	Water Level (Ft below TOC)	Volume (gal)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP (mV)	Comments
0915	9.60	0.15	6.70	0.237	794.0	1.50	18.34	-44	
0918	9.60	0.30	6.46	0.174	195.0	1.19	18.62	-26	
0921	9.63	0.65	6.36	0.153	66.2	1.10	18.75	-24	
0924	9.63	0.85	6.31	0.146	26.2	1.08	18.83	-24	
0927	9.60	1.10	6.32	0.143	10.9	1.07	18.79	-28	

Sample Time: 0930

Total Vol. Purged: 1.20 gal.

Fe^{2+}: NA
H_2S: NA
Diss. CO_2: NA

Stabilization Factors
pH ± 0.1 DO ± 10%
Conductivity ± 3% Turbidity ± 10%
ORP ± 10Mv

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LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Chicora Tank Farm
PROJECT NUMBER: 09-500
Depth to Water: 9.90

WELL ID: CTF TMW-03
DATE: ~~2/18/09~~ 2/1
DTB: —

Well Volume: (DTB - DTW) x 0.17 = Well Volume: — (15 - 9.90) x 0.08 = 0.41

Time (Hrs)	Water Level (Ft below TOC)	Volume (gal)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP (mV)	Comments
0942	11.26	0.20	5.97	0.111	-5.0	3.77	17.57	78	Turbidity inconsistent
0945	11.65	0.45	5.98	0.110	-5.0	4.59	17.67	82	
0948	11.65	0.65	5.96	0.110	324.0	5.12	17.67	90	
0951	11.65	0.85	5.96	0.109	145.0	5.36	17.64	97	

Sample Time: 0955

Total Vol. Purged: 0.95 gal.

Fe^{2+}: NA
H_2S: NA
Diss. CO_2: NA

Stabilization Factors
pH ± 0.1 DO ± 10%
Conductivity ± 3% Turbidity ± 10%
ORP ± 10Mv

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LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Chicora Tank Farm
PROJECT NUMBER: 09-500
Depth to Water: 11.13

WELL ID: CTF TMW-04
DATE: 2/18/09
DTB: –

Well Volume: (DTB - DTW) x 0.17 = Well Volume: – (15 - 11.13) x 0.08 = 0.31

Time (Hrs)	Water Level (Ft below TOC)	Volume (gal)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP (mV)	Comments
1010	11.13	0.15	6.77	0.416	303	1.87	17.61	-71	Turbidity inconsistent
1013	11.13	0.35	6.78	0.400	44.5	1.65	17.65	-76	
1016	11.13	0.60	6.79	0.390	1.1	1.55	17.71	-79	
1019	11.13	0.85	6.79	0.385	0.0	1.48	17.70	-81	

Sample Time: 1025

Total Vol. Purged: 0.90 gal

Fe^{2+}: NA
H_2S: NA
Diss. CO_2: NA

Stabilization Factors
pH ± 0.1 DO ± 10%
Conductivity ± 3% Turbidity ± 10%
ORP ± 10Mv

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Environmental Consulting and Design

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Chicora Tank Farm
PROJECT NUMBER: 09-500
Depth to Water: 7.65

WELL ID: CTF TMW - 05
DATE: 2/18/09
DTB: —

Well Volume: (DTB - DTW) x 0.17 = Well Volume: — (15 - 7.65) x 0.08 = 0.58 gal

Time (Hrs)	Water Level (Ft below TOC)	Volume (gal)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP (mV)	Comments
1206	8.00	0.60	6.97	0.395	630	1.25	17.82	-137	
1209	8.00	0.85	6.98	0.396	268	1.15	17.84	-143	
1212	8.02	1.10	6.98	0.391	141	1.12	17.71	-147	

Sample Time: 1215

Total Vol. Purged: 1.15 gal.

Fe^{2+}: NA
H_2S: NA
Diss. CO_2: NA

Stabilization Factors
pH ± 0.1 DO ± 10%
Conductivity ± 3% Turbidity ± 10%
ORP ± 10Mv

ADVENT

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Chicora Tank Farm
PROJECT NUMBER: 09-500
Depth to Water: 9.75

WELL ID: CTF- TMW-06
DATE: 2/18/09
DTB: —

Well Volume: (DTB - DTW) x 0.17 = Well Volume: — (15 - 9.75) x 0.08 = 0.42

Time (Hrs)	Water Level (Ft below TOC)	Volume (gal)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP (mV)	Comments
1138	13.85	0.30	7.65	0.651	729.0	5.31	17.46	-94	Turbidity inconsistent
1141	13.85	0.50	7.24	0.643	464.0	6.32	17.34	-98	
1144	13.85	0.60	7.12	0.637	181.0	6.70	17.34	-98	
1147	13.85	0.75	7.10	0.636	63.5	6.76	17.38	-99	
1152	13.85	0.85	7.09	0.633	554.0	6.82	17.39	-101	

Sample Time: 1200

Total Vol. Purged: 0.90 gal.

Fe^{2+}: NA
H_2S: NA
Diss. CO_2: NA

Stabilization Factors

pH ± 0.1 DO ± 10%
Conductivity ± 3% Turbidity ± 10%
ORP ± 10Mv

ADVENT

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Chicora Tank Farm
PROJECT NUMBER: 09-500
Depth to Water: 9.28

WELL ID: CTF · TMW-07
DATE: 2/18/09
DTB: —

Well Volume: (DTB - DTW) x 0.17 = Well Volume: — (15 - 9.28) x 0.08 = 0.46

Time (Hrs)	Water Level (Ft below TOC)	Volume (gal)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP (mV)	Comments
1100	9.28	0.15	13.69	8.00	883.0	1.17	17.91	-429	Very dirty; murky
1103	9.28	0.45	13.73	8.00	129.0	1.05	17.96	-374	
1106	9.28	0.70	13.75	7.97	44.1	1.03	17.92	-347	
1109	9.28	0.95	13.76	7.97	4.9	1.02	17.92	-331	
1112	9.28	1.20	13.76	7.94	22.4	1.00	18.00	-323	

Sample Time: 1115

Total Vol. Purged: 1.25 gal.

Fe^{2+}: NA
H_2S: NA
Diss. CO_2: NA

Stabilization Factors

pH ± 0.1 DO ± 10%
Conductivity ± 3% Turbidity ± 10%
ORP ± 10Mv

ADVENT

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Chicora Tank Farm
PROJECT NUMBER: 09-500
Depth to Water: 13.9

WELL ID: CTF TMW-08
DATE: 2/18/09
DTB: —

Well Volume: (DTB - DTW) x 0.17 = Well Volume: —

Time (Hrs)	Water Level (Ft below TOC)	Volume (gal)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP (mV)	Comments
1045									

Sample Time: 1250

Total Vol. Purged:

Fe^{2+}:
H_2S:
Diss. CO_2:

Stabilization Factors
pH ± 0.1 DO ± 10%
Conductivity ± 3% Turbidity ± 10%
ORP ± 10Mv

Could Not develop.
Only produced enough water to fill 1-VOA

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Environmental Consulting and Design

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Chicora Tank Farm
PROJECT NUMBER: 09-500
Depth to Water: 7.42

WELL ID: CTF TMW-09
DATE: 2/18/09
DTB: –

Well Volume: (DTB - DTW) x 0.17 = Well Volume: – (15 - 7.42) x 0.08 = 0.61 gal.

Time (Hrs)	Water Level (Ft below TOC)	Volume (gal)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP (mV)	Comments
1227	7.78	0.25	7.01	1.02	179	1.48	17.40	-127	Turbidity inconsistent
1230	7.78	0.55	7.10	1.04	618	1.21	17.50	-147	
1233	7.78	0.85	7.13	1.04	745	1.13	17.44	-153	
1236	7.78	1.25	7.14	1.04	545	1.11	17.38	-157	

Sample Time: 1240

Total Vol. Purged: 1.30 gal.

Fe^{2+}: NA
H_2S: NA
Diss. CO_2: NA

Stabilization Factors
pH ± 0.1 DO ± 10%
Conductivity ± 3% Turbidity ± 10%
ORP ± 10Mv

ADVENT

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Chicora Tank Farm
PROJECT NUMBER: 09-500
Depth to Water: 8.05

WELL ID: CTF TMW-10
DATE: 2/18/09
DTB: 15.00

Well Volume: (DTB - DTW) x 0.17 = Well Volume: (15 - 8.05) x 0.082 = 0.56

Time (Hrs)	Water Level (Ft below TOC)	Volume (gal)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP (mV)	Comments
1234	8.60	0.25	6.41	1.09	603.0	0.08	18.32	-166	
1237	8.60	0.50	6.42	1.13	535.0	1.63	18.03	-162	
1240	8.60	0.75	6.43	1.12	311.0	0.00	18.12	-171	
1243	8.60	1.00	6.44	1.12	249.0	0.00	18.16	-174	
1246	8.60	1.25	6.44	1.13	248.0	0.00	18.18	-175	

Sample Time: 1250

Total Vol. Purged: 1.25 gal

Fe^{2+}: NA
H_2S: NA
Diss. CO_2: NA

Stabilization Factors
pH ± 0.1 DO ± 10%
Conductivity ± 3% Turbidity ± 10%
ORP ± 10Mv

Collected TMW DUP at this site

ADVENT

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Chicora Tank Farm
PROJECT NUMBER: 09-500
Depth to Water: 8.97

WELL ID: CTF TMW - 11
DATE: 2/18/09
DTB: 15.00

Well Volume: (DTB - DTW) x 0.17 = Well Volume: (15 - 8.97) x 0.08 = 0.48

Time (Hrs)	Water Level (Ft below TOC)	Volume (gal)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP (mV)	Comments
1208	10.02	0.25	6.26	0.813	84.9	1.33	18.14	-94	
1211	10.02	0.50	6.26	0.814	83.9	1.09	18.14	-96	
1214	10.02	0.75	6.26	0.818	83.0	0.90	18.15	-97	
1217	10.02	1.00	6.25	0.821	82.4	1.17	18.14	-105	

Sample Time: 1220

Total Vol. Purged: 1.00

Fe^{2+}: NA
H_2S: NA
Diss. CO_2: NA

Stabilization Factors
pH ± 0.1 DO ± 10%
Conductivity ± 3% Turbidity ± 10%
ORP ± 10Mv

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation at CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/18/09 TIME 0900

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF TMW 01 HAZARDOUS?: _____ YES _____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

SAMPLER TYPE & MATERIAL: NA
SAMPLING DEPTH: NA
SAMPLE DESCRIPTION: NA

WELL SAMPLING DATA:

SAMPLING DATE: 2/18/09
TIME: 0900

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: (15 - 7.7) x 0.08 = 0.58 gal
VOLUME OF WATER PURGED: 1.1 gal.
PURGE DATE: 2/18/09 START TIME: 0850 END TIME : 0854
SAMPLER TYPE & MATERIAL: *Geopump-II using flex tubing and teflon lined tubing*
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): 7.70 TOTAL WELL DEPTH (ft): 15.00

CONTAINER		PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
TYPE	VOLUME				
Glass	40ml Amber	HCl / EPA SW-846 Method 8260B	3	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	6.93	
SPEC. COND (um/sm)	0.159	
Turbidity (NTU)	220	
Dissolved Oxygen (mg/L)	1.03	
Temperature ©	17.51	
ORP (mV)	-157	

GENERAL INFORMATION

WEATHER ~~Clear~~ Cldy/Rain AIR TEMP. 60°F

SAMPLES COLLECTED BY: CB

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): Horiba U-22 SN#: 6093008

MODE OF SHIPMENT: _____ CAR/TRUCK _____ BUS _____ PLANE _____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation at CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/18/09 TIME 0930

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF TMW02 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

SAMPLER TYPE & MATERIAL: NA
SAMPLING DEPTH: NA
SAMPLE DESCRIPTION: NA

WELL SAMPLING DATA:

SAMPLING DATE: 2/18/09
TIME: 0930

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: (15-8.63) x 0.08 = 0.51 gal
VOLUME OF WATER PURGED: 1.20 gal
PURGE DATE: 2/18/09 START TIME: 0915 END TIME : 0927
SAMPLER TYPE & MATERIAL: *Geopump-II using flex tubing and teflon lined tubing*
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): 8.63 TOTAL WELL DEPTH (ft): 15.00

CONTAINER		PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
TYPE	VOLUME				
Glass	40ml Amber	HCl / EPA SW-846 Method 8260B	3	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	6.32	
SPEC. COND (um/sm)	0.143	
Turbidity (NTU)	10.9	
Dissolved Oxygen (mg/L)	1.07	
Temperature ©	18.79	
ORP (mV)	-28	

GENERAL INFORMATION

WEATHER Rain AIR TEMP. 50°F

SAMPLES COLLECTED BY: CB

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): Horiba U-22 # 6093006

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation at CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/18/09 TIME 0955

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTFMW03 HAZAROOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

SAMPLER TYPE & MATERIAL: NA
SAMPLING DEPTH: NA
SAMPLE DESCRIPTION: NA

WELL SAMPLING DATA:

SAMPLING DATE: 2/18/09
TIME: 0955

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: (15 - 9.90) x 0.08 = 0.41
VOLUME OF WATER PURGED: 0.85 gal.
PURGE DATE: 2/18/09 START TIME: 0942 END TIME : 0951
SAMPLER TYPE & MATERIAL: *Geopump-II using flex tubing and teflon lined tubing*
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): 9.90 TOTAL WELL DEPTH (ft): 15.00

CONTAINER TYPE	CONTAINER VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml Amber	HCl / EPA SW-846 Method 8260B	3	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	5.96	
SPEC. COND (um/sm)	0.109	
Turbidity (NTU)	145.0	
Dissolved Oxygen (mg/L)	5.36	
Temperature ©	17.64	
ORP (mV)	97	

GENERAL INFORMATION

WEATHER Rain AIR TEMP. 50°F

SAMPLES COLLECTED BY: CB

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): Horiba U-22 # 6093008

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation at CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/18/09 TIME 1025

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF TMW BL1 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

SAMPLER TYPE & MATERIAL: NA
SAMPLING DEPTH: NA
SAMPLE DESCRIPTION: NA

WELL SAMPLING DATA:

SAMPLING DATE: 2/18/09
TIME: 1025

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: (15 - 11.13) x 0.08 = 0.31
VOLUME OF WATER PURGED: 0.9 gal.
PURGE DATE: 2/18/09 START TIME: 1010 END TIME : 1019
SAMPLER TYPE & MATERIAL: *Geopump-II using flex tubing and teflon lined tubing*
SAMPLE DESCRIPTION: N/A

DEPTH TO GROUND WATER (ft): 11.13 TOTAL WELL DEPTH (ft): 15.00

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml Amber	HCl / EPA SW-846 Method 8260B	3	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	6.79	
SPEC. COND (um/sm)	0.385	
Turbidity (NTU)	0.0	
Dissolved Oxygen (mg/L)	1.48	
Temperature ©	17.70	
ORP (mV)	-81	

GENERAL INFORMATION

WEATHER Rain AIR TEMP. 50°F

SAMPLES COLLECTED BY: CB

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): Horiba U-22 # 6093008

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation at CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/18/09 TIME 1215

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF TMW05 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

SAMPLER TYPE & MATERIAL: NA
SAMPLING DEPTH: NA
SAMPLE DESCRIPTION: NA

WELL SAMPLING DATA:

SAMPLING DATE: 2/18/09
TIME: 1215

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: (15 - 7.65) x 0.08 = 0.58 gal
VOLUME OF WATER PURGED: 1.15 gal.
PURGE DATE: 2/18/09 START TIME: 1206 END TIME : 1217
SAMPLER TYPE & MATERIAL: *Geopump-II using flex tubing and teflon lined tubing*
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): 7.65 TOTAL WELL DEPTH (ft): 15.00

CONTAINER		PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
TYPE	VOLUME				
Glass	40ml Amber	HCl / EPA SW-846 Method 8260B	3	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	6.98	
SPEC. COND (um/sm)	0.391	
Turbidity (NTU)	141	
Dissolved Oxygen (mg/L)	1.12	
Temperature ©	17.71	
ORP (mV)	-147	

GENERAL INFORMATION

WEATHER Rain AIR TEMP. 50°F

SAMPLES COLLECTED BY: CB

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): Horiba U-22 SN#: 6093008

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation at CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/18/09 TIME 1115

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF TMW Ø7 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

SAMPLER TYPE & MATERIAL: NA
SAMPLING DEPTH: NA
SAMPLE DESCRIPTION: NA

WELL SAMPLING DATA:

SAMPLING DATE: 2/18/09
TIME: 1115

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: (15 - 9.28) x 0.08 = 0.46
VOLUME OF WATER PURGED: 1.25 gal.
PURGE DATE: 2/18/09 START TIME: 1100 END TIME : 1112
SAMPLER TYPE & MATERIAL: *Geopump-II using flex tubing and teflon lined tubing*
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): 9.28 TOTAL WELL DEPTH (ft): 15.00

CONTAINER		PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
TYPE	VOLUME				
Glass	40ml Amber	HCl / EPA SW-846 Method 8260B	3	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	13.76	
SPEC. COND (um/sm)	7.94	
Turbidity (NTU)	22.4	
Dissolved Oxygen (mg/L)	1.00	
Temperature ©	18.00	
ORP (mV)	-323	

GENERAL INFORMATION

WEATHER Rain AIR TEMP. 50°F

SAMPLES COLLECTED BY: CB
PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): Horiba U-22 SN: 6093008
MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation at CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/18/09 TIME 1250

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF TMW Ø8 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

SAMPLER TYPE & MATERIAL: NA
SAMPLING DEPTH: NA
SAMPLE DESCRIPTION: NA

WELL SAMPLING DATA:

SAMPLING DATE: 2/18/09
TIME: 1250

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: See comments
VOLUME OF WATER PURGED: See comments
PURGE DATE: 2/18/09 START TIME: 1045 END TIME : 1240
SAMPLER TYPE & MATERIAL: *Geopump-II using flex tubing and teflon lined tubing*
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): 13.90 TOTAL WELL DEPTH (ft): 15.00

CONTAINER TYPE	CONTAINER VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml Amber	HCl / EPA SW-846 Method 8260B	3	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	See Comments	
SPEC. COND (um/sm)		
Turbidity (NTU)		
Dissolved Oxygen (mg/L)		
Temperature ©		
ORP (mV)		

GENERAL INFORMATION

WEATHER Rain AIR TEMP. 50°F

SAMPLES COLLECTED BY: CB

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): Horiba U-22 SN: 6093006

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): Well only contained enough water to fill one-VOA. No recharge while onsite.

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation at CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/18/09 TIME 1240

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF TMW09 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

SAMPLER TYPE & MATERIAL: NA
SAMPLING DEPTH: NA
SAMPLE DESCRIPTION: NA

WELL SAMPLING DATA:

SAMPLING DATE: 2/18/09
TIME: 1240

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: (15 - 7.42) x 0.08 = 0.61 gal.
VOLUME OF WATER PURGED: 1.30 gal.
PURGE DATE: 2/18/09 START TIME: 1227 END TIME : 1236
SAMPLER TYPE & MATERIAL: *Geopump-II using flex tubing and teflon lined tubing*
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): 7.42 TOTAL WELL DEPTH (ft): 15.00

CONTAINER		PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
TYPE	VOLUME				
Glass	40ml Amber	HCl / EPA SW-846 Method 8260B	3	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	7.14	
SPEC. COND (um/sm)	1.04	
Turbidity (NTU)	545	
Dissolved Oxygen (mg/L)	1.11	
Temperature ©	17.38	
ORP (mV)	-157	

GENERAL INFORMATION

WEATHER: Rain AIR TEMP. 50°F

SAMPLES COLLECTED BY: CB

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): Horiba U-22 SN #: 6093008

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation at CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/18/09 TIME 1250

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF TMW 1B HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

SAMPLER TYPE & MATERIAL: NA
SAMPLING DEPTH: NA
SAMPLE DESCRIPTION: NA

WELL SAMPLING DATA:

SAMPLING DATE: 2/18/09
TIME: 1250

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: (15 - 8.05) x 0.08 = 0.56
VOLUME OF WATER PURGED: 1.25 gal.
PURGE DATE: 2/18/09 START TIME: 1234 END TIME : 1246
SAMPLER TYPE & MATERIAL: *Geopump-II using flex tubing and teflon lined tubing*
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): 8.05 TOTAL WELL DEPTH (ft): 15.00

CONTAINER		PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
TYPE	VOLUME				
Glass	40ml Amber	HCl / EPA SW-846 Method 8260B	3	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	6.44	
SPEC. COND (um/sm)	1.13	
Turbidity (NTU)	248.0	
Dissolved Oxygen (mg/L)	0.00	
Temperature ©	18.18	
ORP (mV)	-175	

GENERAL INFORMATION

WEATHER Rain AIR TEMP. 50°F

SAMPLES COLLECTED BY: JWW

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): Horiba U-22 SN: 8153004

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): Collected TMW DUP

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation at CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/18/09 TIME 1220

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF TMW 11 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

SAMPLER TYPE & MATERIAL: NA
SAMPLING DEPTH: NA
SAMPLE DESCRIPTION: NA

WELL SAMPLING DATA:

SAMPLING DATE: 2/18/09
TIME: 1220

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: (15 - 8.97) x 0.08 = 0.48 gal.
VOLUME OF WATER PURGED: 1.0 gal.
PURGE DATE: 2/18/09 START TIME: 1208 END TIME : 1217
SAMPLER TYPE & MATERIAL: *Geopump-II using flex tubing and teflon lined tubing*
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): 8.97 TOTAL WELL DEPTH (ft): 15.00

CONTAINER TYPE	CONTAINER VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml Amber	HCl / EPA SW-846 Method 8260B	3	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	6.25	
SPEC. COND (um/sm)	0.821	
Turbidity (NTU)	82.4	
Dissolved Oxygen (mg/L)	1.17	
Temperature ©	18.14	
ORP (mV)	-105	

GENERAL INFORMATION

WEATHER Rain AIR TEMP. 50° F

SAMPLES COLLECTED BY: JWW

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): Horiba U-22 SN#: 815300 4

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation at CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/18/09 TIME 1205

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF TMW 12 HAZARDOUS?: _____ YES _____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

SAMPLER TYPE & MATERIAL: NA
SAMPLING DEPTH: NA
SAMPLE DESCRIPTION: NA

WELL SAMPLING DATA:

SAMPLING DATE: 2/18/09
TIME: 1205

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: (15 - 9.35) x 0.08 = 0.45 gal.
VOLUME OF WATER PURGED: 2.0 gal.
PURGE DATE: 2/18/09 START TIME: 1139 END TIME : 1200
SAMPLER TYPE & MATERIAL: *Geopump-II using flex tubing and teflon lined tubing*
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): 9.35 TOTAL WELL DEPTH (ft): 15.00

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml Amber	HCl / EPA SW-846 Method 8260B	3	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	6.61	
SPEC. COND (um/sm)	0.230	
Turbidity (NTU)	29.9	
Dissolved Oxygen (mg/L)	0.00	
Temperature ©	17.98	
ORP (mV)	-110	

GENERAL INFORMATION

WEATHER Rain AIR TEMP. 50°F

SAMPLES COLLECTED BY: Swm

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): Horiba U-22 SN#: 8153004

MODE OF SHIPMENT: _____ CAR/TRUCK _____ BUS _____ PLANE _____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation at CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/18/09 TIME 1200

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTFMW06 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

SAMPLER TYPE & MATERIAL: NA
SAMPLING DEPTH: NA
SAMPLE DESCRIPTION: NA

WELL SAMPLING DATA:

SAMPLING DATE: 2/18/09
TIME: 1200

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: (15.00 - 9.75) x 0.08 = 0.42
VOLUME OF WATER PURGED: 0.90 gal.
PURGE DATE: 2/18/09 START TIME: 1138 END TIME: 1152
SAMPLER TYPE & MATERIAL: *Geopump-II using flex tubing and teflon lined tubing*
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): 9.75 TOTAL WELL DEPTH (ft): 15.00

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml Amber	HCl / EPA SW-846 Method 8260B	3	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	7.09	
SPEC. COND (um/sm)	0.633	
Turbidity (NTU)	554.0	
Dissolved Oxygen (mg/L)	6.82	
Temperature ©	17.39	
ORP (mV)	-101	

GENERAL INFORMATION

WEATHER Rain AIR TEMP. 50°F

SAMPLES COLLECTED BY: CB

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): Horiba U-22 SN: 6093008

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

ADVENT

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Chicora Tank Farm
PROJECT NUMBER: 09-500
Depth to Water: 9.35

WELL ID: CTF TMW-12
DATE: 2/18/09
DTB: 15.00

Well Volume: (DTB - DTW) x 0.17 = Well Volume: (15 - 9.35) x 0.08 = 0.45

Time (Hrs)	Water Level (Ft below TOC)	Volume (gal)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP (mV)	Comments
1139	9.43	0.25	7.00	0.275	372.0	8.27	18.09	-132	
1142	9.43	0.50	6.80	0.262	123.0	0.98	18.01	-122	
1145	9.43	0.75	6.75	0.259	101.0	0.25	18.00	-119	
1148	9.43	1.00	6.68	0.246	63.8	0.00	17.95	-116	
1151	9.43	1.25	6.66	0.241	48.8	0.00	17.95	-114	
1154	9.43	1.50	6.62	0.236	41.5	0.00	17.96	-113	
1157	9.43	1.75	6.61	0.232	33.4	0.00	17.98	-111	
1200	9.43	2.00	6.61	0.230	29.9	0.00	17.98	-110	

Sample Time: 1205

Total Vol. Purged: 2.0 gal.

Fe^{2+}: NA
H_2S: NA
Diss. CO_2: NA

Stabilization Factors
pH ± 0.1
DO ± 10%
Conductivity ± 3%
Turbidity ± 10%
ORP ± 10Mv

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Invest igation CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/17/09 TIME 1200

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF SB01 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: 2/17/09
TIME: 1200

SAMPLER TYPE & MATERIAL Econo 5035 Kit
SAMPLING DEPTH 0-5' Interval (4' of recovery)
SAMPLE DESCRIPTION Organics (0-1) Red, clayey sand (1-3.5) Tan, fine sand (3.5-4.0)

WELL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: NA
VOLUME OF WATER PURGED: NA
PURGE DATE: NA START TIME: NA END TIME : NA
SAMPLER TYPE & MATERIAL: NA
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): NA TOTAL WELL DEPTH (ft): NA

CONTAINER		PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
TYPE	VOLUME				
Glass	40ml	2 x $NaHSO_4$, 1 x Methanol, 1 x Upreserved	4	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	NA	
SPEC. COND (um/sm)	NA	
Turbidity (NTU)	NA	
Dissolved Oxygen (mg/L)	NA	
Temperature ©	NA	
ORP (mV)	NA	

GENERAL INFORMATION

WEATHER CLR AIR TEMP. 50°F

SAMPLES COLLECTED BY: JWW

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): NA

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/17/09 TIME 1210

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF SB 02 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: 2/17/09
TIME: 1210

SAMPLER TYPE & MATERIAL Econo 5035 Kit
SAMPLING DEPTH 5-10' Interval (2' of recovery)
SAMPLE DESCRIPTION Brown fine Sand (0-1) gray fine Sand (1-2)

WELL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: NA
VOLUME OF WATER PURGED: NA
PURGE DATE: NA START TIME: NA END TIME : NA
SAMPLER TYPE & MATERIAL: NA
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): NA TOTAL WELL DEPTH (ft): NA

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml	2 x $NaHSO_4$, 1 x Methanol, 1 x Upreserved	4	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	NA	
SPEC. COND (um/sm)	NA	
Turbidity (NTU)	NA	
Dissolved Oxygen (mg/L)	NA	
Temperature ©	NA	
ORP (mV)	NA	

GENERAL INFORMATION

WEATHER CLR AIR TEMP. 50°F

SAMPLES COLLECTED BY: JWW
PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): NA

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Invest igation CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/17/09 TIME 1215

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF SB03 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: 2/17/09
TIME: 1215

SAMPLER TYPE & MATERIAL Econo 5035 Kit
SAMPLING DEPTH 0-5' Interval (4" recovery)
SAMPLE DESCRIPTION Organics (0-1) Red, Sandy silt (1-3) Brown, sandy silt (3-4)

WELL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: NA
VOLUME OF WATER PURGED: NA
PURGE DATE: NA START TIME: NA END TIME : NA
SAMPLER TYPE & MATERIAL: NA
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): NA TOTAL WELL DEPTH (ft): NA

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml	2 x $NaHSO_4$, 1 x Methanol, 1 x Upreserved	4	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	NA	
SPEC. COND (um/sm)	NA	
Turbidity (NTU)	NA	
Dissolved Oxygen (mg/L)	NA	
Temperature ©	NA	
ORP (mV)	NA	

GENERAL INFORMATION

WEATHER CLR AIR TEMP. 50°F

SAMPLES COLLECTED BY: JWW

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): NA

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/17/09 TIME 1220

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF SB 04 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: 2/17/09
TIME: 1220

SAMPLER TYPE & MATERIAL Econo 5035 Kit
SAMPLING DEPTH 0-5' Interval (4' of recovery)
SAMPLE DESCRIPTION Organics (0-1) Brown, Silty Sand (1-4)

WELL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: NA
VOLUME OF WATER PURGED: NA
PURGE DATE: NA START TIME: NA END TIME : NA
SAMPLER TYPE & MATERIAL: NA
SAMPLE DESCRIPTION: NA
DEPTH TO GROUND WATER (ft): NA TOTAL WELL DEPTH (ft): NA

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml	2 x $NaHSO_4$, 1 x Methanol, 1 x Upreserved	4	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	NA	
SPEC. COND (um/sm)	NA	
Turbidity (NTU)	NA	
Dissolved Oxygen (mg/L)	NA	
Temperature ©	NA	
ORP (mV)	NA	

GENERAL INFORMATION

WEATHER CLR AIR TEMP. 50°F

SAMPLES COLLECTED BY: JWW
PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): NA
MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Invest igation CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/17/09 TIME 1345

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF SB 05 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE:
TIME:

SAMPLER TYPE & MATERIAL Econo 5035 Kit
SAMPLING DEPTH 5-10' Interval (3' of recovery)
SAMPLE DESCRIPTION Red Clay (0-0.5) Gray, coarse, silty sand (0.5-3)

WELL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: NA
VOLUME OF WATER PURGED: NA
PURGE DATE: NA START TIME: NA END TIME : NA
SAMPLER TYPE & MATERIAL: NA
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): NA TOTAL WELL DEPTH (ft): NA

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml	2 x $NaHSO_4$, 1 x Methanol, 1 x Upreserved	4	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	NA	
SPEC. COND (um/sm)	NA	
Turbidity (NTU)	NA	
Dissolved Oxygen (mg/L)	NA	
Temperature ©	NA	
ORP (mV)	NA	

GENERAL INFORMATION

WEATHER CLR AIR TEMP. 60°F

SAMPLES COLLECTED BY: JWW
PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): MA

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/17/09 TIME 1355

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF SB06 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE:
TIME:

SAMPLER TYPE & MATERIAL Econo 5035 Kit
SAMPLING DEPTH 0-5' Interval (4' of recovery)
SAMPLE DESCRIPTION Organics (0-0.5) Brown sandy silt (0.5-3.5) Tan, medium sand (3.5-4.0)

WELL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: NA
VOLUME OF WATER PURGED: NA
PURGE DATE: NA START TIME: NA END TIME : NA
SAMPLER TYPE & MATERIAL: NA
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): NA TOTAL WELL DEPTH (ft): NA

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml	2 x $NaHSO_4$, 1 x Methanol, 1 x Upreserved	4	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	NA	
SPEC. COND (um/sm)	NA	
Turbidity (NTU)	NA	
Dissolved Oxygen (mg/L)	NA	
Temperature ©	NA	
ORP (mV)	NA	

GENERAL INFORMATION

WEATHER CLR AIR TEMP. 50

SAMPLES COLLECTED BY: JWW
PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): NA

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/17/09 TIME 1410

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF SB 07 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: 2/17/09
TIME: 1410

SAMPLER TYPE & MATERIAL Econo 5035 Kit
SAMPLING DEPTH 0-5' Internal (4' Recovery)
SAMPLE DESCRIPTION Organics (0-0.5) Brown, Silty Sand (0.5-2) Red sandy clay (2-2.5) Brown, Silty Sand (2.5-4)

WELL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: NA
VOLUME OF WATER PURGED: NA
PURGE DATE: NA START TIME: NA END TIME : NA
SAMPLER TYPE & MATERIAL: NA
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): NA TOTAL WELL DEPTH (ft): NA

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml	2 x $NaHSO_4$, 1 x Methanol, 1 x Upreserved	4	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	NA	
SPEC. COND (um/sm)	NA	
Turbidity (NTU)	NA	
Dissolved Oxygen (mg/L)	NA	
Temperature ©	NA	
ORP (mV)	NA	

GENERAL INFORMATION

WEATHER Clr AIR TEMP. 50

SAMPLES COLLECTED BY: JWW
PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): NA

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): Collected SB Dup

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Invest igation CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/17/09 TIME 1425

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF SB 08 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: 2/17/09
TIME: 1425

SAMPLER TYPE & MATERIAL Econo 5035 Kit
SAMPLING DEPTH 0-5' Int. (4" Recovery)
SAMPLE DESCRIPTION Organics (0-1) Brown, Silty Sand (1-4)

WELL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: NA
VOLUME OF WATER PURGED: NA
PURGE DATE: NA START TIME: NA END TIME : NA
SAMPLER TYPE & MATERIAL: NA
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): NA TOTAL WELL DEPTH (ft): NA

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml	2 x $NaHSO_4$, 1 x Methanol, 1 x Upreserved	4	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	NA	
SPEC. COND (um/sm)	NA	
Turbidity (NTU)	NA	
Dissolved Oxygen (mg/L)	NA	
Temperature ©	NA	
ORP (mV)	NA	

GENERAL INFORMATION

WEATHER CLR AIR TEMP. 50°F

SAMPLES COLLECTED BY: Jim
PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): NA

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/17/09 TIME 1520

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF SB 09 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: 2/17/09
TIME: 1520

SAMPLER TYPE & MATERIAL Econo 5035 Kit
SAMPLING DEPTH 0-5' Interval (4' Recovery)
SAMPLE DESCRIPTION Organics (0-0.5) Red, Sandy Clay (0.5-4)

WELL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: NA
VOLUME OF WATER PURGED: NA
PURGE DATE: NA START TIME: NA END TIME : NA
SAMPLER TYPE & MATERIAL: NA
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): NA TOTAL WELL DEPTH (ft): NA

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml	2 x $NaHSO_4$, 1 x Methanol, 1 x Upreserved	4	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	NA	
SPEC. COND (um/sm)	NA	
Turbidity (NTU)	NA	
Dissolved Oxygen (mg/L)	NA	
Temperature ©	NA	
ORP (mV)	NA	

GENERAL INFORMATION

WEATHER CLR AIR TEMP. 50°F

SAMPLES COLLECTED BY: JWW

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): NA

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE ____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Invest igation CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/17/09 TIME 1510

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF SB 10 HAZARDOUS?: _____ YES _____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: 2/17/09
TIME: 1510

SAMPLER TYPE & MATERIAL: Econo 5035 Kit
SAMPLING DEPTH: 5-10' Interval (3' Recovery)
SAMPLE DESCRIPTION: Brown, Silty Sand (0-1) Gray, Coarse Sand (1-3)

WELL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: NA
VOLUME OF WATER PURGED: NA
PURGE DATE: NA START TIME: NA END TIME : NA
SAMPLER TYPE & MATERIAL: NA
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): NA TOTAL WELL DEPTH (ft): NA

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml	2 x $NaHSO_4$, 1 x Methanol, 1 x Upreserved	4	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	NA	
SPEC. COND (um/sm)	NA	
Turbidity (NTU)	NA	
Dissolved Oxygen (mg/L)	NA	
Temperature ©	NA	
ORP (mV)	NA	

GENERAL INFORMATION

WEATHER CLR AIR TEMP. 50°F

SAMPLES COLLECTED BY: JWW

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): NA

MODE OF SHIPMENT: _____ CAR/TRUCK _____ BUS _____ PLANE X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Investigation CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/17/09 TIME 1455

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF SB11 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: 2/17/09
TIME: 1455

SAMPLER TYPE & MATERIAL Econo 5035 Kit
SAMPLING DEPTH 5-10' Intervual (4' Recovery)
SAMPLE DESCRIPTION Red, Silty Sand (0-2) Black, clayey sand (2-4)

WELL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: NA
VOLUME OF WATER PURGED: NA
PURGE DATE: NA START TIME: NA END TIME : NA
SAMPLER TYPE & MATERIAL: NA
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): NA TOTAL WELL DEPTH (ft): NA

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml	2 x $NaHSO_4$, 1 x Methanol, 1 x Upreserved	4	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	NA	
SPEC. COND (um/sm)	NA	
Turbidity (NTU)	NA	
Dissolved Oxygen (mg/L)	NA	
Temperature ©	NA	
ORP (mV)	NA	

GENERAL INFORMATION

WEATHER CLR AIR TEMP. 50°F

SAMPLES COLLECTED BY: Jim
PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): NA

MODE OF SHIPMENT: ____ CAR/TRUCK ____ BUS ____ PLANE X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

FIELD SAMPLING REPORT

ADVENT

498 Wando Park Blvd Suite 500
Mt. Pleasant, SC 29464
(843) 388-1851

JOB NUMBER 09-500
JOB NAME DPT Invest igation CTF
SAMPLING POINT
(LOCATION) CTF at CNC
DATE 2/17/09 TIME 1445

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: CTF SB 12 HAZARDOUS?: _____ YES _____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: 2/17/09
TIME: 1445

SAMPLER TYPE & MATERIAL Ecomo 5035 Kit
SAMPLING DEPTH 5-10' Interval (3' Recovery)
SAMPLE DESCRIPTION Brown, Silty Sand (0-1) Red Clay (1-2) Sandy gravel (2-3)

WELL SAMPLING DATA:

SAMPLING DATE: NA
TIME: NA

PURGE METHOD & MATERIALS: *Low Flow/Low Stress Peristaltic Pump with Teflon Lined Tubing*
WELL VOLUME [(DTB - DTW) x Constant = Well Volume]: NA
VOLUME OF WATER PURGED: NA
PURGE DATE: NA START TIME: NA END TIME : NA
SAMPLER TYPE & MATERIAL: NA
SAMPLE DESCRIPTION: NA

DEPTH TO GROUND WATER (ft): NA TOTAL WELL DEPTH (ft): NA

CONTAINER					
TYPE	VOLUME	PRESERVATIVE/ANALYSIS METHOD	NUMBER	FILTERING	COC
Glass	40ml	2 x $NaHSO_4$, 1 x Methanol, 1 x Upreserved	4	No	BTEX, Naphthalene

FIELD MEASUREMENTS

PARAMETER	FINAL MEASUREMENT	COMMENTS
pH (STO UNITS)	NA	
SPEC. COND (um/sm)	NA	
Turbidity (NTU)	NA	
Dissolved Oxygen (mg/L)	NA	
Temperature ©	NA	
ORP (mV)	NA	

GENERAL INFORMATION

WEATHER CLR AIR TEMP. 50°F

SAMPLES COLLECTED BY: JW

PARAMETERS MEASURED WITH (EQUIPMENT TYPE & SER. NUM): NA

MODE OF SHIPMENT: _____ CAR/TRUCK _____ BUS _____ PLANE _____ X COMMER VEH.

COMMENTS (FIELD MODIFICATIONS, INSTRUMENT PROBLEMS, SAMPLE DUPLICATE, ETC.): NA

APPENDIX B

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

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

March 06, 2009

Mr. James Weeg
ADVENT ENVIRONMENTAL
498 Wando Park Blvd
Mount Pleasant, SC 29464

RE: Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Dear Mr. Weeg:
Enclosed are the analytical results for sample(s) received by the laboratory on February 19, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Bonnie McKee

Bonnie McKee

bonnie.mckee@pacelabs.com
Project Manager

Enclosures

cc: Larry Fowler, ADVENT ENVIRONMENTAL

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(704)875-9092

CERTIFICATIONS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Charlotte Certification IDs

West Virginia Certification #: 357
Virginia Certification #: 00213
Tennessee Certification #: 04010
South Carolina Drinking Water Cert. #: 990060003
South Carolina Certification #: 990060001
Pennsylvania Certification #: 68-00784
Connecticut Certification #: PH-0104
North Carolina Field Services Certification #: 5342
North Carolina Drinking Water Certification #: 37706
New Jersey Certification #: NC012
Louisiana/LELAP Certification #: 04034
Kentucky UST Certification #: 84
Florida/NELAP Certification #: E87627
North Carolina Wastewater Certification #: 12

Asheville Certification IDs

West Virginia Certification #: 356
Virginia Certification #: 00072
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Tennessee Certification #: 2980
South Carolina Certification #: 99030001
South Carolina Bioassay Certification #: 99030002
Pennsylvania Certification #: 68-03578
North Carolina Wastewater Certification #: 40
North Carolina Drinking Water Certification #: 37712
North Carolina Bioassay Certification #: 9
New Jersey Certification #: NC011
Massachusetts Certification #: M-NC030
Louisiana/LELAP Certification #: 03095

Eden Certification IDs

North Carolina Wastewater Certification #: 633
Virginia Drinking Water Certification #: 00424
North Carolina Drinking Water Certification #: 37738

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(704)875-9092

SAMPLE SUMMARY

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9238344001	**CTF SB-1**	Solid	02/17/09 12:00	02/19/09 09:30
9238344002	**CTF SB-2**	Solid	02/17/09 12:10	02/19/09 09:30
9238344003	**CTF SB-3**	Solid	02/17/09 12:15	02/19/09 09:30
9238344004	**CTF SB-4**	Solid	02/17/09 12:20	02/19/09 09:30
9238344005	**CTF SB-5**	Solid	02/17/09 13:45	02/19/09 09:30
9238344006	**CTF SB-6**	Solid	02/17/09 13:55	02/19/09 09:30
9238344007	**CTF SB-7**	Solid	02/17/09 14:10	02/19/09 09:30
9238344008	**CTF SB-8**	Solid	02/17/09 14:25	02/19/09 09:30
9238344009	**CTF SB-9**	Solid	02/17/09 15:20	02/19/09 09:30
9238344010	**CTF SB-10**	Solid	02/17/09 15:10	02/19/09 09:30
9238344011	**CTF SB-11**	Solid	02/17/09 14:55	02/19/09 09:30
9238344012	**CTF SB-12**	Solid	02/17/09 14:45	02/19/09 09:30
9238344013	**CTF SBDUP**	Solid	02/17/09 14:15	02/19/09 09:30
9238344014	**CTF TMW01**	Water	02/18/09 09:00	02/19/09 09:30
9238344015	**CTF TMW02**	Water	02/18/09 09:30	02/19/09 09:30
9238344016	**CTF TMW03**	Water	02/18/09 09:55	02/19/09 09:30
9238344017	**CTF TMW04**	Water	02/18/09 10:25	02/19/09 09:30
9238344018	**CTF TMW05**	Water	02/18/09 12:15	02/19/09 09:30
9238344019	**CTF TMW06**	Water	02/18/09 12:00	02/19/09 09:30
9238344020	**CTF TMW07**	Water	02/18/09 11:15	02/19/09 09:30
9238344021	**CTF TMW08**	Water	02/18/09 12:50	02/19/09 09:30
9238344022	**CTF TMW09**	Water	02/18/09 12:40	02/19/09 09:30
9238344023	**CTF TMW10**	Water	02/18/09 12:50	02/19/09 09:30
9238344024	**CTF TMW11**	Water	02/18/09 12:20	02/19/09 09:30
9238344025	**CTF TMW12**	Water	02/18/09 12:05	02/19/09 09:30
9238344026	**CTF TMWDUP**	Water	02/18/09 12:50	02/19/09 09:30

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SAMPLE ANALYTE COUNT

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9238344001	**CTF SB-1**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344002	**CTF SB-2**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344003	**CTF SB-3**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344004	**CTF SB-4**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344005	**CTF SB-5**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344006	**CTF SB-6**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344007	**CTF SB-7**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344008	**CTF SB-8**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344009	**CTF SB-9**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344010	**CTF SB-10**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344011	**CTF SB-11**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344012	**CTF SB-12**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344013	**CTF SBDUP**	ASTM D2974-87	TNM	1
		EPA 8260	DLK	70
9238344014	**CTF TMW01**	EPA 8260	AW	10
9238344015	**CTF TMW02**	EPA 8260	MCK	10
9238344016	**CTF TMW03**	EPA 8260	AW	10
9238344017	**CTF TMW04**	EPA 8260	AW	10
9238344018	**CTF TMW05**	EPA 8260	AW	10
9238344019	**CTF TMW06**	EPA 8260	AW	10
9238344020	**CTF TMW07**	EPA 8260	MCK	10
9238344021	**CTF TMW08**	EPA 8260	AW	10
9238344022	**CTF TMW09**	EPA 8260	AW	10
9238344023	**CTF TMW10**	EPA 8260	AW	10
9238344024	**CTF TMW11**	EPA 8260	AW	10

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(828)254-7176

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

SAMPLE ANALYTE COUNT

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9238344025	**CTF TMW12**	EPA 8260	AW	10
9238344026	**CTF TMWDUP**	EPA 8260	AW	10

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-1 **Lab ID: 9238344001** Collected: 02/17/09 12:00 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	55.0	5.5	1		03/03/09 13:35	67-64-1	
Benzene	ND	ug/kg	2.7	0.88	1		03/03/09 13:35	71-43-2	
Bromobenzene	ND	ug/kg	2.7	1.1	1		03/03/09 13:35	108-86-1	
Bromochloromethane	ND	ug/kg	2.7	0.93	1		03/03/09 13:35	74-97-5	
Bromodichloromethane	ND	ug/kg	2.7	1.0	1		03/03/09 13:35	75-27-4	
Bromoform	ND	ug/kg	2.7	1.3	1		03/03/09 13:35	75-25-2	
Bromomethane	ND	ug/kg	5.5	1.4	1		03/03/09 13:35	74-83-9	
2-Butanone (MEK)	ND	ug/kg	55.0	1.6	1		03/03/09 13:35	78-93-3	
n-Butylbenzene	ND	ug/kg	2.7	0.99	1		03/03/09 13:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	2.7	0.88	1		03/03/09 13:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	2.7	1.1	1		03/03/09 13:35	98-06-6	
Carbon tetrachloride	ND	ug/kg	2.7	1.4	1		03/03/09 13:35	56-23-5	
Chlorobenzene	ND	ug/kg	2.7	1.0	1		03/03/09 13:35	108-90-7	
Chloroethane	ND	ug/kg	5.5	1.3	1		03/03/09 13:35	75-00-3	
Chloroform	ND	ug/kg	2.7	0.88	1		03/03/09 13:35	67-66-3	
Chloromethane	ND	ug/kg	5.5	1.3	1		03/03/09 13:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	2.7	0.93	1		03/03/09 13:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	2.7	0.99	1		03/03/09 13:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	2.7	2.0	1		03/03/09 13:35	96-12-8	
Dibromochloromethane	ND	ug/kg	2.7	0.99	1		03/03/09 13:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	2.7	0.99	1		03/03/09 13:35	106-93-4	
Dibromomethane	ND	ug/kg	2.7	1.4	1		03/03/09 13:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	2.7	1.0	1		03/03/09 13:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	2.7	1.1	1		03/03/09 13:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	2.7	0.93	1		03/03/09 13:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.5	2.0	1		03/03/09 13:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	2.7	0.82	1		03/03/09 13:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	2.7	1.2	1		03/03/09 13:35	107-06-2	
1,1-Dichloroethene	ND	ug/kg	2.7	0.99	1		03/03/09 13:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.7	0.77	1		03/03/09 13:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.7	1.0	1		03/03/09 13:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	2.7	0.93	1		03/03/09 13:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	2.7	1.0	1		03/03/09 13:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	2.7	0.93	1		03/03/09 13:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	2.7	0.82	1		03/03/09 13:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	2.7	0.99	1		03/03/09 13:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	2.7	0.82	1		03/03/09 13:35	10061-02-6	
Diisopropyl ether	ND	ug/kg	2.7	0.93	1		03/03/09 13:35	108-20-3	
Ethylbenzene	ND	ug/kg	2.7	0.99	1		03/03/09 13:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	2.7	1.1	1		03/03/09 13:35	87-68-3	
2-Hexanone	ND	ug/kg	27.5	2.1	1		03/03/09 13:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	2.7	1.0	1		03/03/09 13:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	2.7	0.93	1		03/03/09 13:35	99-87-6	
Methylene Chloride	ND	ug/kg	11.0	1.6	1		03/03/09 13:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	27.5	2.0	1		03/03/09 13:35	108-10-1	

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(704)875-9092

ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-1 **Lab ID: 9238344001** Collected: 02/17/09 12:00 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	2.7	0.82	1		03/03/09 13:35	1634-04-4	
Naphthalene	ND	ug/kg	2.7	0.66	1		03/03/09 13:35	91-20-3	
n-Propylbenzene	ND	ug/kg	2.7	0.93	1		03/03/09 13:35	103-65-1	
Styrene	ND	ug/kg	2.7	0.99	1		03/03/09 13:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.7	1.2	1		03/03/09 13:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.7	1.0	1		03/03/09 13:35	79-34-5	
Tetrachloroethene	ND	ug/kg	2.7	0.93	1		03/03/09 13:35	127-18-4	
Toluene	**2.5J**	ug/kg	2.7	0.99	1		03/03/09 13:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	2.7	1.2	1		03/03/09 13:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	2.7	0.88	1		03/03/09 13:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	2.7	0.99	1		03/03/09 13:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	2.7	1.2	1		03/03/09 13:35	79-00-5	
Trichloroethene	ND	ug/kg	2.7	1.2	1		03/03/09 13:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	2.7	1.2	1		03/03/09 13:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	2.7	0.88	1		03/03/09 13:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	2.7	1.1	1		03/03/09 13:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	2.7	0.99	1		03/03/09 13:35	108-67-8	
Vinyl acetate	ND	ug/kg	27.5	4.8	1		03/03/09 13:35	108-05-4	
Vinyl chloride	ND	ug/kg	5.5	0.99	1		03/03/09 13:35	75-01-4	
m&p-Xylene	ND	ug/kg	5.5	2.0	1		03/03/09 13:35	1330-20-7	
o-Xylene	ND	ug/kg	2.7	1.0	1		03/03/09 13:35	95-47-6	
Dibromofluoromethane (S)	98	%	79-116		1		03/03/09 13:35	1868-53-7	
Toluene-d8 (S)	104	%	88-110		1		03/03/09 13:35	2037-26-5	
4-Bromofluorobenzene (S)	95	%	74-115		1		03/03/09 13:35	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	69-121		1		03/03/09 13:35	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.4**	%	0.10	0.10	1		02/20/09 08:44		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-2 **Lab ID: 9238344002** Collected: 02/17/09 12:10 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	10300	1030	250		03/03/09 22:27	67-64-1	
Benzene	ND	ug/kg	513	164	250		03/03/09 22:27	71-43-2	
Bromobenzene	ND	ug/kg	513	205	250		03/03/09 22:27	108-86-1	
Bromochloromethane	ND	ug/kg	513	175	250		03/03/09 22:27	74-97-5	
Bromodichloromethane	ND	ug/kg	513	195	250		03/03/09 22:27	75-27-4	
Bromoform	ND	ug/kg	513	236	250		03/03/09 22:27	75-25-2	
Bromomethane	ND	ug/kg	1030	257	250		03/03/09 22:27	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10300	298	250		03/03/09 22:27	78-93-3	
n-Butylbenzene	**1130**	ug/kg	513	185	250		03/03/09 22:27	104-51-8	
sec-Butylbenzene	**734**	ug/kg	513	164	250		03/03/09 22:27	135-98-8	
tert-Butylbenzene	ND	ug/kg	513	205	250		03/03/09 22:27	98-06-6	
Carbon tetrachloride	ND	ug/kg	513	267	250		03/03/09 22:27	56-23-5	
Chlorobenzene	ND	ug/kg	513	195	250		03/03/09 22:27	108-90-7	
Chloroethane	ND	ug/kg	1030	246	250		03/03/09 22:27	75-00-3	
Chloroform	ND	ug/kg	513	164	250		03/03/09 22:27	67-66-3	
Chloromethane	ND	ug/kg	1030	246	250		03/03/09 22:27	74-87-3	
2-Chlorotoluene	ND	ug/kg	513	175	250		03/03/09 22:27	95-49-8	
4-Chlorotoluene	ND	ug/kg	513	185	250		03/03/09 22:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	513	370	250		03/03/09 22:27	96-12-8	
Dibromochloromethane	ND	ug/kg	513	185	250		03/03/09 22:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	513	185	250		03/03/09 22:27	106-93-4	
Dibromomethane	ND	ug/kg	513	257	250		03/03/09 22:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	513	195	250		03/03/09 22:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	513	205	250		03/03/09 22:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	513	175	250		03/03/09 22:27	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	1030	370	250		03/03/09 22:27	75-71-8	
1,1-Dichloroethane	ND	ug/kg	513	154	250		03/03/09 22:27	75-34-3	
1,2-Dichloroethane	ND	ug/kg	513	226	250		03/03/09 22:27	107-06-2	
1,1-Dichloroethene	ND	ug/kg	513	185	250		03/03/09 22:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	513	144	250		03/03/09 22:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	513	195	250		03/03/09 22:27	156-60-5	
1,2-Dichloropropane	ND	ug/kg	513	175	250		03/03/09 22:27	78-87-5	
1,3-Dichloropropane	ND	ug/kg	513	195	250		03/03/09 22:27	142-28-9	
2,2-Dichloropropane	ND	ug/kg	513	175	250		03/03/09 22:27	594-20-7	
1,1-Dichloropropene	ND	ug/kg	513	154	250		03/03/09 22:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	513	185	250		03/03/09 22:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	513	154	250		03/03/09 22:27	10061-02-6	
Diisopropyl ether	ND	ug/kg	513	175	250		03/03/09 22:27	108-20-3	
Ethylbenzene	**483J**	ug/kg	513	185	250		03/03/09 22:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	513	205	250		03/03/09 22:27	87-68-3	
2-Hexanone	ND	ug/kg	5130	400	250		03/03/09 22:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	513	195	250		03/03/09 22:27	98-82-8	
p-Isopropyltoluene	**1650**	ug/kg	513	175	250		03/03/09 22:27	99-87-6	
Methylene Chloride	ND	ug/kg	2050	308	250		03/03/09 22:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	5130	380	250		03/03/09 22:27	108-10-1	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-2 **Lab ID: 9238344002** Collected: 02/17/09 12:10 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	513	154	250		03/03/09 22:27	1634-04-4	
Naphthalene	**7740**	ug/kg	513	123	250		03/03/09 22:27	91-20-3	
n-Propylbenzene	**617**	ug/kg	513	175	250		03/03/09 22:27	103-65-1	
Styrene	ND	ug/kg	513	185	250		03/03/09 22:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	513	216	250		03/03/09 22:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	513	195	250		03/03/09 22:27	79-34-5	
Tetrachloroethene	ND	ug/kg	513	175	250		03/03/09 22:27	127-18-4	
Toluene	ND	ug/kg	513	185	250		03/03/09 22:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	513	226	250		03/03/09 22:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	513	164	250		03/03/09 22:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	513	185	250		03/03/09 22:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	513	216	250		03/03/09 22:27	79-00-5	
Trichloroethene	ND	ug/kg	513	216	250		03/03/09 22:27	79-01-6	
Trichlorofluoromethane	ND	ug/kg	513	226	250		03/03/09 22:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	513	164	250		03/03/09 22:27	96-18-4	
1,2,4-Trimethylbenzene	**5950**	ug/kg	513	205	250		03/03/09 22:27	95-63-6	
1,3,5-Trimethylbenzene	**1720**	ug/kg	513	185	250		03/03/09 22:27	108-67-8	
Vinyl acetate	ND	ug/kg	5130	904	250		03/03/09 22:27	108-05-4	
Vinyl chloride	ND	ug/kg	1030	185	250		03/03/09 22:27	75-01-4	
m&p-Xylene	**1200**	ug/kg	1030	370	250		03/03/09 22:27	1330-20-7	
o-Xylene	ND	ug/kg	513	195	250		03/03/09 22:27	95-47-6	
Dibromofluoromethane (S)	133	%	79-116		250		03/03/09 22:27	1868-53-7	S0
Toluene-d8 (S)	118	%	88-110		250		03/03/09 22:27	2037-26-5	S0
4-Bromofluorobenzene (S)	113	%	74-115		250		03/03/09 22:27	460-00-4	
1,2-Dichloroethane-d4 (S)	127	%	69-121		250		03/03/09 22:27	17060-07-0	S0
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.5**	%	0.10	0.10	1		02/20/09 08:45		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-3 **Lab ID: 9238344003** Collected: 02/17/09 12:15 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**15.9J**	ug/kg	55.5	5.5	1		03/03/09 13:53	67-64-1	
Benzene	ND	ug/kg	2.8	0.89	1		03/03/09 13:53	71-43-2	
Bromobenzene	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	108-86-1	
Bromochloromethane	ND	ug/kg	2.8	0.94	1		03/03/09 13:53	74-97-5	
Bromodichloromethane	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	75-27-4	
Bromoform	ND	ug/kg	2.8	1.3	1		03/03/09 13:53	75-25-2	
Bromomethane	ND	ug/kg	5.5	1.4	1		03/03/09 13:53	74-83-9	
2-Butanone (MEK)	ND	ug/kg	55.5	1.6	1		03/03/09 13:53	78-93-3	
n-Butylbenzene	ND	ug/kg	2.8	1.0	1		03/03/09 13:53	104-51-8	
sec-Butylbenzene	ND	ug/kg	2.8	0.89	1		03/03/09 13:53	135-98-8	
tert-Butylbenzene	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	98-06-6	
Carbon tetrachloride	ND	ug/kg	2.8	1.4	1		03/03/09 13:53	56-23-5	
Chlorobenzene	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	108-90-7	
Chloroethane	ND	ug/kg	5.5	1.3	1		03/03/09 13:53	75-00-3	
Chloroform	ND	ug/kg	2.8	0.89	1		03/03/09 13:53	67-66-3	
Chloromethane	ND	ug/kg	5.5	1.3	1		03/03/09 13:53	74-87-3	
2-Chlorotoluene	ND	ug/kg	2.8	0.94	1		03/03/09 13:53	95-49-8	
4-Chlorotoluene	ND	ug/kg	2.8	1.0	1		03/03/09 13:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	2.8	2.0	1		03/03/09 13:53	96-12-8	
Dibromochloromethane	ND	ug/kg	2.8	1.0	1		03/03/09 13:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	2.8	1.0	1		03/03/09 13:53	106-93-4	
Dibromomethane	ND	ug/kg	2.8	1.4	1		03/03/09 13:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	2.8	0.94	1		03/03/09 13:53	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.5	2.0	1		03/03/09 13:53	75-71-8	
1,1-Dichloroethane	ND	ug/kg	2.8	0.83	1		03/03/09 13:53	75-34-3	
1,2-Dichloroethane	ND	ug/kg	2.8	1.2	1		03/03/09 13:53	107-06-2	
1,1-Dichloroethene	ND	ug/kg	2.8	1.0	1		03/03/09 13:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.8	0.78	1		03/03/09 13:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	156-60-5	
1,2-Dichloropropane	ND	ug/kg	2.8	0.94	1		03/03/09 13:53	78-87-5	
1,3-Dichloropropane	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	142-28-9	
2,2-Dichloropropane	ND	ug/kg	2.8	0.94	1		03/03/09 13:53	594-20-7	
1,1-Dichloropropene	ND	ug/kg	2.8	0.83	1		03/03/09 13:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	2.8	1.0	1		03/03/09 13:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	2.8	0.83	1		03/03/09 13:53	10061-02-6	
Diisopropyl ether	ND	ug/kg	2.8	0.94	1		03/03/09 13:53	108-20-3	
Ethylbenzene	ND	ug/kg	2.8	1.0	1		03/03/09 13:53	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	87-68-3	
2-Hexanone	ND	ug/kg	27.7	2.2	1		03/03/09 13:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	98-82-8	
p-Isopropyltoluene	ND	ug/kg	2.8	0.94	1		03/03/09 13:53	99-87-6	
Methylene Chloride	ND	ug/kg	11.1	1.7	1		03/03/09 13:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	27.7	2.1	1		03/03/09 13:53	108-10-1	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-3 **Lab ID: 9238344003** Collected: 02/17/09 12:15 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	2.8	0.83	1		03/03/09 13:53	1634-04-4	
Naphthalene	ND	ug/kg	2.8	0.67	1		03/03/09 13:53	91-20-3	
n-Propylbenzene	ND	ug/kg	2.8	0.94	1		03/03/09 13:53	103-65-1	
Styrene	ND	ug/kg	2.8	1.0	1		03/03/09 13:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8	1.2	1		03/03/09 13:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	79-34-5	
Tetrachloroethene	ND	ug/kg	2.8	0.94	1		03/03/09 13:53	127-18-4	
Toluene	**11.9**	ug/kg	2.8	1.0	1		03/03/09 13:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	2.8	1.2	1		03/03/09 13:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	2.8	0.89	1		03/03/09 13:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	2.8	1.0	1		03/03/09 13:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	2.8	1.2	1		03/03/09 13:53	79-00-5	
Trichloroethene	ND	ug/kg	2.8	1.2	1		03/03/09 13:53	79-01-6	
Trichlorofluoromethane	ND	ug/kg	2.8	1.2	1		03/03/09 13:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	2.8	0.89	1		03/03/09 13:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	2.8	1.0	1		03/03/09 13:53	108-67-8	
Vinyl acetate	ND	ug/kg	27.7	4.9	1		03/03/09 13:53	108-05-4	
Vinyl chloride	ND	ug/kg	5.5	1.0	1		03/03/09 13:53	75-01-4	
m&p-Xylene	ND	ug/kg	5.5	2.0	1		03/03/09 13:53	1330-20-7	
o-Xylene	ND	ug/kg	2.8	1.1	1		03/03/09 13:53	95-47-6	
Dibromofluoromethane (S)	104	%	79-116		1		03/03/09 13:53	1868-53-7	
Toluene-d8 (S)	106	%	88-110		1		03/03/09 13:53	2037-26-5	
4-Bromofluorobenzene (S)	99	%	74-115		1		03/03/09 13:53	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	69-121		1		03/03/09 13:53	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.3**	%	0.10	0.10	1		02/20/09 08:45		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-4 **Lab ID: 9238344004** Collected: 02/17/09 12:20 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**17.8J**	ug/kg	72.1	7.2	1		03/03/09 14:12	67-64-1	
Benzene	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	71-43-2	
Bromobenzene	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	108-86-1	
Bromochloromethane	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	74-97-5	
Bromodichloromethane	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	75-27-4	
Bromoform	ND	ug/kg	3.6	1.7	1		03/03/09 14:12	75-25-2	
Bromomethane	ND	ug/kg	7.2	1.8	1		03/03/09 14:12	74-83-9	
2-Butanone (MEK)	ND	ug/kg	72.1	2.1	1		03/03/09 14:12	78-93-3	
n-Butylbenzene	ND	ug/kg	3.6	1.3	1		03/03/09 14:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	98-06-6	
Carbon tetrachloride	ND	ug/kg	3.6	1.9	1		03/03/09 14:12	56-23-5	
Chlorobenzene	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	108-90-7	
Chloroethane	ND	ug/kg	7.2	1.7	1		03/03/09 14:12	75-00-3	
Chloroform	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	67-66-3	
Chloromethane	ND	ug/kg	7.2	1.7	1		03/03/09 14:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.6	1.3	1		03/03/09 14:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.6	2.6	1		03/03/09 14:12	96-12-8	
Dibromochloromethane	ND	ug/kg	3.6	1.3	1		03/03/09 14:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.6	1.3	1		03/03/09 14:12	106-93-4	
Dibromomethane	ND	ug/kg	3.6	1.8	1		03/03/09 14:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	7.2	2.6	1		03/03/09 14:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.6	1.1	1		03/03/09 14:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.6	1.6	1		03/03/09 14:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.6	1.3	1		03/03/09 14:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.6	1.0	1		03/03/09 14:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.6	1.1	1		03/03/09 14:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.6	1.3	1		03/03/09 14:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.6	1.1	1		03/03/09 14:12	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	108-20-3	
Ethylbenzene	ND	ug/kg	3.6	1.3	1		03/03/09 14:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	87-68-3	
2-Hexanone	ND	ug/kg	36.0	2.8	1		03/03/09 14:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	99-87-6	
Methylene Chloride	ND	ug/kg	14.4	2.2	1		03/03/09 14:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	36.0	2.7	1		03/03/09 14:12	108-10-1	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-4 **Lab ID: 9238344004** Collected: 02/17/09 12:20 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	3.6	1.1	1		03/03/09 14:12	1634-04-4	
Naphthalene	ND	ug/kg	3.6	0.87	1		03/03/09 14:12	91-20-3	
n-Propylbenzene	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	103-65-1	
Styrene	ND	ug/kg	3.6	1.3	1		03/03/09 14:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.6	1.5	1		03/03/09 14:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	79-34-5	
Tetrachloroethene	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	127-18-4	
Toluene	**11.0**	ug/kg	3.6	1.3	1		03/03/09 14:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.6	1.6	1		03/03/09 14:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.6	1.3	1		03/03/09 14:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.6	1.5	1		03/03/09 14:12	79-00-5	
Trichloroethene	ND	ug/kg	3.6	1.5	1		03/03/09 14:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.6	1.6	1		03/03/09 14:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.6	1.2	1		03/03/09 14:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.6	1.3	1		03/03/09 14:12	108-67-8	
Vinyl acetate	ND	ug/kg	36.0	6.3	1		03/03/09 14:12	108-05-4	
Vinyl chloride	ND	ug/kg	7.2	1.3	1		03/03/09 14:12	75-01-4	
m&p-Xylene	ND	ug/kg	7.2	2.6	1		03/03/09 14:12	1330-20-7	
o-Xylene	ND	ug/kg	3.6	1.4	1		03/03/09 14:12	95-47-6	
Dibromofluoromethane (S)	90	%	79-116		1		03/03/09 14:12	1868-53-7	
Toluene-d8 (S)	103	%	88-110		1		03/03/09 14:12	2037-26-5	
4-Bromofluorobenzene (S)	95	%	74-115		1		03/03/09 14:12	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	69-121		1		03/03/09 14:12	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.2**	%	0.10	0.10	1		02/20/09 08:45		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-5 **Lab ID: 9238344005** Collected: 02/17/09 13:45 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	75.5	7.5	1		03/04/09 10:08	67-64-1	H1
Benzene	**3.2J**	ug/kg	3.8	1.2	1		03/04/09 10:08	71-43-2	H1
Bromobenzene	ND	ug/kg	3.8	1.5	1		03/04/09 10:08	108-86-1	H1
Bromochloromethane	ND	ug/kg	3.8	1.3	1		03/04/09 10:08	74-97-5	H1
Bromodichloromethane	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	75-27-4	H1
Bromoform	ND	ug/kg	3.8	1.7	1		03/04/09 10:08	75-25-2	H1
Bromomethane	ND	ug/kg	7.5	1.9	1		03/04/09 10:08	74-83-9	H1
2-Butanone (MEK)	ND	ug/kg	75.5	2.2	1		03/04/09 10:08	78-93-3	H1
n-Butylbenzene	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	104-51-8	H1
sec-Butylbenzene	ND	ug/kg	3.8	1.2	1		03/04/09 10:08	135-98-8	H1
tert-Butylbenzene	ND	ug/kg	3.8	1.5	1		03/04/09 10:08	98-06-6	H1
Carbon tetrachloride	ND	ug/kg	3.8	2.0	1		03/04/09 10:08	56-23-5	H1
Chlorobenzene	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	108-90-7	H1
Chloroethane	ND	ug/kg	7.5	1.8	1		03/04/09 10:08	75-00-3	H1
Chloroform	ND	ug/kg	3.8	1.2	1		03/04/09 10:08	67-66-3	H1
Chloromethane	ND	ug/kg	7.5	1.8	1		03/04/09 10:08	74-87-3	H1
2-Chlorotoluene	ND	ug/kg	3.8	1.3	1		03/04/09 10:08	95-49-8	H1
4-Chlorotoluene	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	106-43-4	H1
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.8	2.7	1		03/04/09 10:08	96-12-8	H1
Dibromochloromethane	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	124-48-1	H1
1,2-Dibromoethane (EDB)	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	106-93-4	H1
Dibromomethane	ND	ug/kg	3.8	1.9	1		03/04/09 10:08	74-95-3	H1
1,2-Dichlorobenzene	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	95-50-1	H1
1,3-Dichlorobenzene	ND	ug/kg	3.8	1.5	1		03/04/09 10:08	541-73-1	H1
1,4-Dichlorobenzene	ND	ug/kg	3.8	1.3	1		03/04/09 10:08	106-46-7	H1
Dichlorodifluoromethane	ND	ug/kg	7.5	2.7	1		03/04/09 10:08	75-71-8	H1
1,1-Dichloroethane	**1.2J**	ug/kg	3.8	1.1	1		03/04/09 10:08	75-34-3	H1
1,2-Dichloroethane	ND	ug/kg	3.8	1.7	1		03/04/09 10:08	107-06-2	H1
1,1-Dichloroethene	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	75-35-4	H1
cis-1,2-Dichloroethene	**2.7J**	ug/kg	3.8	1.1	1		03/04/09 10:08	156-59-2	H1
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	156-60-5	H1
1,2-Dichloropropane	ND	ug/kg	3.8	1.3	1		03/04/09 10:08	78-87-5	H1
1,3-Dichloropropane	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	142-28-9	H1
2,2-Dichloropropane	ND	ug/kg	3.8	1.3	1		03/04/09 10:08	594-20-7	H1
1,1-Dichloropropene	ND	ug/kg	3.8	1.1	1		03/04/09 10:08	563-58-6	H1
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	10061-01-5	H1
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1.1	1		03/04/09 10:08	10061-02-6	H1
Diisopropyl ether	ND	ug/kg	3.8	1.3	1		03/04/09 10:08	108-20-3	H1
Ethylbenzene	**8.0**	ug/kg	3.8	1.4	1		03/04/09 10:08	100-41-4	H1
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1.5	1		03/04/09 10:08	87-68-3	H1
2-Hexanone	ND	ug/kg	37.7	2.9	1		03/04/09 10:08	591-78-6	H1
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	98-82-8	H1
p-Isopropyltoluene	**2.0J**	ug/kg	3.8	1.3	1		03/04/09 10:08	99-87-6	H1
Methylene Chloride	ND	ug/kg	15.1	2.3	1		03/04/09 10:08	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	37.7	2.8	1		03/04/09 10:08	108-10-1	H1

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-5 **Lab ID: 9238344005** Collected: 02/17/09 13:45 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	3.8	1.1	1		03/04/09 10:08	1634-04-4	H1
Naphthalene	**12.6**	ug/kg	3.8	0.91	1		03/04/09 10:08	91-20-3	H1
n-Propylbenzene	**2.4J**	ug/kg	3.8	1.3	1		03/04/09 10:08	103-65-1	H1
Styrene	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	100-42-5	H1
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1.6	1		03/04/09 10:08	630-20-6	H1
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	79-34-5	H1
Tetrachloroethene	ND	ug/kg	3.8	1.3	1		03/04/09 10:08	127-18-4	H1
Toluene	**1.8J**	ug/kg	3.8	1.4	1		03/04/09 10:08	108-88-3	H1
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1.7	1		03/04/09 10:08	87-61-6	H1
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1.2	1		03/04/09 10:08	120-82-1	H1
1,1,1-Trichloroethane	ND	ug/kg	3.8	1.4	1		03/04/09 10:08	71-55-6	H1
1,1,2-Trichloroethane	ND	ug/kg	3.8	1.6	1		03/04/09 10:08	79-00-5	H1
Trichloroethene	ND	ug/kg	3.8	1.6	1		03/04/09 10:08	79-01-6	H1
Trichlorofluoromethane	ND	ug/kg	3.8	1.7	1		03/04/09 10:08	75-69-4	H1
1,2,3-Trichloropropane	ND	ug/kg	3.8	1.2	1		03/04/09 10:08	96-18-4	H1
1,2,4-Trimethylbenzene	**23.0**	ug/kg	3.8	1.5	1		03/04/09 10:08	95-63-6	H1
1,3,5-Trimethylbenzene	**6.1**	ug/kg	3.8	1.4	1		03/04/09 10:08	108-67-8	H1
Vinyl acetate	ND	ug/kg	37.7	6.6	1		03/04/09 10:08	108-05-4	H1
Vinyl chloride	ND	ug/kg	7.5	1.4	1		03/04/09 10:08	75-01-4	H1
m&p-Xylene	**20.5**	ug/kg	7.5	2.7	1		03/04/09 10:08	1330-20-7	H1
o-Xylene	**1.4J**	ug/kg	3.8	1.4	1		03/04/09 10:08	95-47-6	H1
Dibromofluoromethane (S)	77	%	79-116		1		03/04/09 10:08	1868-53-7	S0
Toluene-d8 (S)	103	%	88-110		1		03/04/09 10:08	2037-26-5	
4-Bromofluorobenzene (S)	89	%	74-115		1		03/04/09 10:08	460-00-4	
1,2-Dichloroethane-d4 (S)	75	%	69-121		1		03/04/09 10:08	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.6**	%	0.10	0.10	1		02/20/09 08:45		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-6 **Lab ID: 9238344006** Collected: 02/17/09 13:55 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**23.0J**	ug/kg	76.7	7.7	1		03/03/09 14:30	67-64-1	
Benzene	ND	ug/kg	3.8	1.2	1		03/03/09 14:30	71-43-2	
Bromobenzene	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	108-86-1	
Bromochloromethane	ND	ug/kg	3.8	1.3	1		03/03/09 14:30	74-97-5	
Bromodichloromethane	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	75-27-4	
Bromoform	ND	ug/kg	3.8	1.8	1		03/03/09 14:30	75-25-2	
Bromomethane	ND	ug/kg	7.7	1.9	1		03/03/09 14:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	76.7	2.2	1		03/03/09 14:30	78-93-3	
n-Butylbenzene	ND	ug/kg	3.8	1.4	1		03/03/09 14:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.8	1.2	1		03/03/09 14:30	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	98-06-6	
Carbon tetrachloride	ND	ug/kg	3.8	2.0	1		03/03/09 14:30	56-23-5	
Chlorobenzene	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	108-90-7	
Chloroethane	ND	ug/kg	7.7	1.8	1		03/03/09 14:30	75-00-3	
Chloroform	ND	ug/kg	3.8	1.2	1		03/03/09 14:30	67-66-3	
Chloromethane	ND	ug/kg	7.7	1.8	1		03/03/09 14:30	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.8	1.3	1		03/03/09 14:30	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.8	1.4	1		03/03/09 14:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.8	2.8	1		03/03/09 14:30	96-12-8	
Dibromochloromethane	ND	ug/kg	3.8	1.4	1		03/03/09 14:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.8	1.4	1		03/03/09 14:30	106-93-4	
Dibromomethane	ND	ug/kg	3.8	1.9	1		03/03/09 14:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.8	1.3	1		03/03/09 14:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	7.7	2.8	1		03/03/09 14:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.8	1.2	1		03/03/09 14:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.8	1.7	1		03/03/09 14:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.8	1.4	1		03/03/09 14:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1.1	1		03/03/09 14:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.8	1.3	1		03/03/09 14:30	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.8	1.3	1		03/03/09 14:30	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.8	1.2	1		03/03/09 14:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1.4	1		03/03/09 14:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1.2	1		03/03/09 14:30	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.8	1.3	1		03/03/09 14:30	108-20-3	
Ethylbenzene	ND	ug/kg	3.8	1.4	1		03/03/09 14:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	87-68-3	
2-Hexanone	ND	ug/kg	38.3	3.0	1		03/03/09 14:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.8	1.3	1		03/03/09 14:30	99-87-6	
Methylene Chloride	ND	ug/kg	15.3	2.3	1		03/03/09 14:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	38.3	2.8	1		03/03/09 14:30	108-10-1	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-6 **Lab ID: 9238344006** Collected: 02/17/09 13:55 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	3.8	1.2	1		03/03/09 14:30	1634-04-4	
Naphthalene	ND	ug/kg	3.8	0.92	1		03/03/09 14:30	91-20-3	
n-Propylbenzene	ND	ug/kg	3.8	1.3	1		03/03/09 14:30	103-65-1	
Styrene	ND	ug/kg	3.8	1.4	1		03/03/09 14:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1.6	1		03/03/09 14:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	79-34-5	
Tetrachloroethene	ND	ug/kg	3.8	1.3	1		03/03/09 14:30	127-18-4	
Toluene	**6.0**	ug/kg	3.8	1.4	1		03/03/09 14:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1.7	1		03/03/09 14:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1.2	1		03/03/09 14:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.8	1.4	1		03/03/09 14:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.8	1.6	1		03/03/09 14:30	79-00-5	
Trichloroethene	ND	ug/kg	3.8	1.6	1		03/03/09 14:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.8	1.7	1		03/03/09 14:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.8	1.2	1		03/03/09 14:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1.4	1		03/03/09 14:30	108-67-8	
Vinyl acetate	ND	ug/kg	38.3	6.7	1		03/03/09 14:30	108-05-4	
Vinyl chloride	ND	ug/kg	7.7	1.4	1		03/03/09 14:30	75-01-4	
m&p-Xylene	ND	ug/kg	7.7	2.8	1		03/03/09 14:30	1330-20-7	
o-Xylene	ND	ug/kg	3.8	1.5	1		03/03/09 14:30	95-47-6	
Dibromofluoromethane (S)	89	%	79-116		1		03/03/09 14:30	1868-53-7	
Toluene-d8 (S)	102	%	88-110		1		03/03/09 14:30	2037-26-5	
4-Bromofluorobenzene (S)	94	%	74-115		1		03/03/09 14:30	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	69-121		1		03/03/09 14:30	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.9**	%	0.10	0.10	1		02/20/09 08:45		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-7 **Lab ID: 9238344007** Collected: 02/17/09 14:10 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	72.8	7.3	1		03/03/09 14:48	67-64-1	
Benzene	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	71-43-2	
Bromobenzene	ND	ug/kg	3.6	1.5	1		03/03/09 14:48	108-86-1	
Bromochloromethane	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	74-97-5	
Bromodichloromethane	ND	ug/kg	3.6	1.4	1		03/03/09 14:48	75-27-4	
Bromoform	ND	ug/kg	3.6	1.7	1		03/03/09 14:48	75-25-2	
Bromomethane	ND	ug/kg	7.3	1.8	1		03/03/09 14:48	74-83-9	
2-Butanone (MEK)	ND	ug/kg	72.8	2.1	1		03/03/09 14:48	78-93-3	
n-Butylbenzene	ND	ug/kg	3.6	1.3	1		03/03/09 14:48	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.6	1.5	1		03/03/09 14:48	98-06-6	
Carbon tetrachloride	ND	ug/kg	3.6	1.9	1		03/03/09 14:48	56-23-5	
Chlorobenzene	ND	ug/kg	3.6	1.4	1		03/03/09 14:48	108-90-7	
Chloroethane	ND	ug/kg	7.3	1.7	1		03/03/09 14:48	75-00-3	
Chloroform	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	67-66-3	
Chloromethane	ND	ug/kg	7.3	1.7	1		03/03/09 14:48	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.6	1.3	1		03/03/09 14:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.6	2.6	1		03/03/09 14:48	96-12-8	
Dibromochloromethane	ND	ug/kg	3.6	1.3	1		03/03/09 14:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.6	1.3	1		03/03/09 14:48	106-93-4	
Dibromomethane	ND	ug/kg	3.6	1.8	1		03/03/09 14:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.6	1.4	1		03/03/09 14:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.6	1.5	1		03/03/09 14:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	7.3	2.6	1		03/03/09 14:48	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.6	1.1	1		03/03/09 14:48	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.6	1.6	1		03/03/09 14:48	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.6	1.3	1		03/03/09 14:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.6	1.0	1		03/03/09 14:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.6	1.4	1		03/03/09 14:48	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.6	1.4	1		03/03/09 14:48	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.6	1.1	1		03/03/09 14:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.6	1.3	1		03/03/09 14:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.6	1.1	1		03/03/09 14:48	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	108-20-3	
Ethylbenzene	ND	ug/kg	3.6	1.3	1		03/03/09 14:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.6	1.5	1		03/03/09 14:48	87-68-3	
2-Hexanone	ND	ug/kg	36.4	2.8	1		03/03/09 14:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.6	1.4	1		03/03/09 14:48	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	99-87-6	
Methylene Chloride	ND	ug/kg	14.6	2.2	1		03/03/09 14:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	36.4	2.7	1		03/03/09 14:48	108-10-1	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-7 **Lab ID: 9238344007** Collected: 02/17/09 14:10 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	3.6	1.1	1		03/03/09 14:48	1634-04-4	
Naphthalene	ND	ug/kg	3.6	0.87	1		03/03/09 14:48	91-20-3	
n-Propylbenzene	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	103-65-1	
Styrene	ND	ug/kg	3.6	1.3	1		03/03/09 14:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.6	1.5	1		03/03/09 14:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.6	1.4	1		03/03/09 14:48	79-34-5	
Tetrachloroethene	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	127-18-4	
Toluene	ND	ug/kg	3.6	1.3	1		03/03/09 14:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.6	1.6	1		03/03/09 14:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.6	1.3	1		03/03/09 14:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.6	1.5	1		03/03/09 14:48	79-00-5	
Trichloroethene	ND	ug/kg	3.6	1.5	1		03/03/09 14:48	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.6	1.6	1		03/03/09 14:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.6	1.2	1		03/03/09 14:48	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.6	1.5	1		03/03/09 14:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.6	1.3	1		03/03/09 14:48	108-67-8	
Vinyl acetate	ND	ug/kg	36.4	6.4	1		03/03/09 14:48	108-05-4	
Vinyl chloride	ND	ug/kg	7.3	1.3	1		03/03/09 14:48	75-01-4	
m&p-Xylene	ND	ug/kg	7.3	2.6	1		03/03/09 14:48	1330-20-7	
o-Xylene	ND	ug/kg	3.6	1.4	1		03/03/09 14:48	95-47-6	
Dibromofluoromethane (S)	111	%	79-116		1		03/03/09 14:48	1868-53-7	
Toluene-d8 (S)	100	%	88-110		1		03/03/09 14:48	2037-26-5	
4-Bromofluorobenzene (S)	92	%	74-115		1		03/03/09 14:48	460-00-4	
1,2-Dichloroethane-d4 (S)	126	%	69-121		1		03/03/09 14:48	17060-07-0	S0
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.1**	%	0.10	0.10	1		02/20/09 08:46		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-8 **Lab ID: 9238344008** Collected: 02/17/09 14:25 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**22.7J**	ug/kg	59.5	6.0	1		03/03/09 15:07	67-64-1	
Benzene	ND	ug/kg	3.0	0.95	1		03/03/09 15:07	71-43-2	
Bromobenzene	ND	ug/kg	3.0	1.2	1		03/03/09 15:07	108-86-1	
Bromochloromethane	ND	ug/kg	3.0	1.0	1		03/03/09 15:07	74-97-5	
Bromodichloromethane	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	75-27-4	
Bromoform	ND	ug/kg	3.0	1.4	1		03/03/09 15:07	75-25-2	
Bromomethane	ND	ug/kg	6.0	1.5	1		03/03/09 15:07	74-83-9	
2-Butanone (MEK)	ND	ug/kg	59.5	1.7	1		03/03/09 15:07	78-93-3	
n-Butylbenzene	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.0	0.95	1		03/03/09 15:07	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.0	1.2	1		03/03/09 15:07	98-06-6	
Carbon tetrachloride	ND	ug/kg	3.0	1.5	1		03/03/09 15:07	56-23-5	
Chlorobenzene	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	108-90-7	
Chloroethane	ND	ug/kg	6.0	1.4	1		03/03/09 15:07	75-00-3	
Chloroform	ND	ug/kg	3.0	0.95	1		03/03/09 15:07	67-66-3	
Chloromethane	ND	ug/kg	6.0	1.4	1		03/03/09 15:07	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.0	1.0	1		03/03/09 15:07	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	3.0	2.1	1		03/03/09 15:07	96-12-8	
Dibromochloromethane	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	106-93-4	
Dibromomethane	ND	ug/kg	3.0	1.5	1		03/03/09 15:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.0	1.2	1		03/03/09 15:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.0	1.0	1		03/03/09 15:07	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	6.0	2.1	1		03/03/09 15:07	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.0	0.89	1		03/03/09 15:07	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.0	1.3	1		03/03/09 15:07	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.0	0.83	1		03/03/09 15:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.0	1.0	1		03/03/09 15:07	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.0	1.0	1		03/03/09 15:07	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.0	0.89	1		03/03/09 15:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.0	0.89	1		03/03/09 15:07	10061-02-6	
Diisopropyl ether	ND	ug/kg	3.0	1.0	1		03/03/09 15:07	108-20-3	
Ethylbenzene	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.0	1.2	1		03/03/09 15:07	87-68-3	
2-Hexanone	ND	ug/kg	29.8	2.3	1		03/03/09 15:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.0	1.0	1		03/03/09 15:07	99-87-6	
Methylene Chloride	ND	ug/kg	11.9	1.8	1		03/03/09 15:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	29.8	2.2	1		03/03/09 15:07	108-10-1	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-8 **Lab ID: 9238344008** Collected: 02/17/09 14:25 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	3.0	0.89	1		03/03/09 15:07	1634-04-4	
Naphthalene	ND	ug/kg	3.0	0.71	1		03/03/09 15:07	91-20-3	
n-Propylbenzene	ND	ug/kg	3.0	1.0	1		03/03/09 15:07	103-65-1	
Styrene	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.0	1.2	1		03/03/09 15:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	79-34-5	
Tetrachloroethene	ND	ug/kg	3.0	1.0	1		03/03/09 15:07	127-18-4	
Toluene	**6.0**	ug/kg	3.0	1.1	1		03/03/09 15:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.0	1.3	1		03/03/09 15:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.0	0.95	1		03/03/09 15:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.0	1.2	1		03/03/09 15:07	79-00-5	
Trichloroethene	ND	ug/kg	3.0	1.2	1		03/03/09 15:07	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.0	1.3	1		03/03/09 15:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.0	0.95	1		03/03/09 15:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.0	1.2	1		03/03/09 15:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	108-67-8	
Vinyl acetate	ND	ug/kg	29.8	5.2	1		03/03/09 15:07	108-05-4	
Vinyl chloride	ND	ug/kg	6.0	1.1	1		03/03/09 15:07	75-01-4	
m&p-Xylene	ND	ug/kg	6.0	2.1	1		03/03/09 15:07	1330-20-7	
o-Xylene	ND	ug/kg	3.0	1.1	1		03/03/09 15:07	95-47-6	
Dibromofluoromethane (S)	92	%	79-116		1		03/03/09 15:07	1868-53-7	
Toluene-d8 (S)	103	%	88-110		1		03/03/09 15:07	2037-26-5	
4-Bromofluorobenzene (S)	95	%	74-115		1		03/03/09 15:07	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	69-121		1		03/03/09 15:07	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.2**	%	0.10	0.10	1		02/20/09 08:46		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-9 **Lab ID: 9238344009** Collected: 02/17/09 15:20 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	55.6	5.6	1		03/03/09 15:25	67-64-1	
Benzene	ND	ug/kg	2.8	0.89	1		03/03/09 15:25	71-43-2	
Bromobenzene	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	108-86-1	
Bromochloromethane	ND	ug/kg	2.8	0.95	1		03/03/09 15:25	74-97-5	
Bromodichloromethane	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	75-27-4	
Bromoform	ND	ug/kg	2.8	1.3	1		03/03/09 15:25	75-25-2	
Bromomethane	ND	ug/kg	5.6	1.4	1		03/03/09 15:25	74-83-9	
2-Butanone (MEK)	ND	ug/kg	55.6	1.6	1		03/03/09 15:25	78-93-3	
n-Butylbenzene	ND	ug/kg	2.8	1.0	1		03/03/09 15:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	2.8	0.89	1		03/03/09 15:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	98-06-6	
Carbon tetrachloride	ND	ug/kg	2.8	1.4	1		03/03/09 15:25	56-23-5	
Chlorobenzene	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	108-90-7	
Chloroethane	ND	ug/kg	5.6	1.3	1		03/03/09 15:25	75-00-3	
Chloroform	ND	ug/kg	2.8	0.89	1		03/03/09 15:25	67-66-3	
Chloromethane	ND	ug/kg	5.6	1.3	1		03/03/09 15:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	2.8	0.95	1		03/03/09 15:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	2.8	1.0	1		03/03/09 15:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	2.8	2.0	1		03/03/09 15:25	96-12-8	
Dibromochloromethane	ND	ug/kg	2.8	1.0	1		03/03/09 15:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	2.8	1.0	1		03/03/09 15:25	106-93-4	
Dibromomethane	ND	ug/kg	2.8	1.4	1		03/03/09 15:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	2.8	0.95	1		03/03/09 15:25	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.6	2.0	1		03/03/09 15:25	75-71-8	
1,1-Dichloroethane	ND	ug/kg	2.8	0.83	1		03/03/09 15:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	2.8	1.2	1		03/03/09 15:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	2.8	1.0	1		03/03/09 15:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.8	0.78	1		03/03/09 15:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	2.8	0.95	1		03/03/09 15:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	2.8	0.95	1		03/03/09 15:25	594-20-7	
1,1-Dichloropropene	ND	ug/kg	2.8	0.83	1		03/03/09 15:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	2.8	1.0	1		03/03/09 15:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	2.8	0.83	1		03/03/09 15:25	10061-02-6	
Diisopropyl ether	ND	ug/kg	2.8	0.95	1		03/03/09 15:25	108-20-3	
Ethylbenzene	ND	ug/kg	2.8	1.0	1		03/03/09 15:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	87-68-3	
2-Hexanone	ND	ug/kg	27.8	2.2	1		03/03/09 15:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	2.8	0.95	1		03/03/09 15:25	99-87-6	
Methylene Chloride	ND	ug/kg	11.1	1.7	1		03/03/09 15:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	27.8	2.1	1		03/03/09 15:25	108-10-1	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-9 **Lab ID: 9238344009** Collected: 02/17/09 15:20 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	2.8	0.83	1		03/03/09 15:25	1634-04-4	
Naphthalene	ND	ug/kg	2.8	0.67	1		03/03/09 15:25	91-20-3	
n-Propylbenzene	ND	ug/kg	2.8	0.95	1		03/03/09 15:25	103-65-1	
Styrene	ND	ug/kg	2.8	1.0	1		03/03/09 15:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8	1.2	1		03/03/09 15:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	79-34-5	
Tetrachloroethene	ND	ug/kg	2.8	0.95	1		03/03/09 15:25	127-18-4	
Toluene	**6.3**	ug/kg	2.8	1.0	1		03/03/09 15:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	2.8	1.2	1		03/03/09 15:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	2.8	0.89	1		03/03/09 15:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	2.8	1.0	1		03/03/09 15:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	2.8	1.2	1		03/03/09 15:25	79-00-5	
Trichloroethene	ND	ug/kg	2.8	1.2	1		03/03/09 15:25	79-01-6	
Trichlorofluoromethane	ND	ug/kg	2.8	1.2	1		03/03/09 15:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	2.8	0.89	1		03/03/09 15:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	2.8	1.0	1		03/03/09 15:25	108-67-8	
Vinyl acetate	ND	ug/kg	27.8	4.9	1		03/03/09 15:25	108-05-4	
Vinyl chloride	ND	ug/kg	5.6	1.0	1		03/03/09 15:25	75-01-4	
m&p-Xylene	ND	ug/kg	5.6	2.0	1		03/03/09 15:25	1330-20-7	
o-Xylene	ND	ug/kg	2.8	1.1	1		03/03/09 15:25	95-47-6	
Dibromofluoromethane (S)	93	%	79-116		1		03/03/09 15:25	1868-53-7	
Toluene-d8 (S)	103	%	88-110		1		03/03/09 15:25	2037-26-5	
4-Bromofluorobenzene (S)	96	%	74-115		1		03/03/09 15:25	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	69-121		1		03/03/09 15:25	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.1**	%	0.10	0.10	1		02/20/09 08:46		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-10 **Lab ID: 9238344010** Collected: 02/17/09 15:10 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	58.3	5.8	1		03/03/09 15:43	67-64-1	
Benzene	ND	ug/kg	2.9	0.93	1		03/03/09 15:43	71-43-2	
Bromobenzene	ND	ug/kg	2.9	1.2	1		03/03/09 15:43	108-86-1	
Bromochloromethane	ND	ug/kg	2.9	0.99	1		03/03/09 15:43	74-97-5	
Bromodichloromethane	ND	ug/kg	2.9	1.1	1		03/03/09 15:43	75-27-4	
Bromoform	ND	ug/kg	2.9	1.3	1		03/03/09 15:43	75-25-2	
Bromomethane	ND	ug/kg	5.8	1.5	1		03/03/09 15:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	58.3	1.7	1		03/03/09 15:43	78-93-3	
n-Butylbenzene	ND	ug/kg	2.9	1.0	1		03/03/09 15:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	2.9	0.93	1		03/03/09 15:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	2.9	1.2	1		03/03/09 15:43	98-06-6	
Carbon tetrachloride	ND	ug/kg	2.9	1.5	1		03/03/09 15:43	56-23-5	
Chlorobenzene	ND	ug/kg	2.9	1.1	1		03/03/09 15:43	108-90-7	
Chloroethane	ND	ug/kg	5.8	1.4	1		03/03/09 15:43	75-00-3	
Chloroform	ND	ug/kg	2.9	0.93	1		03/03/09 15:43	67-66-3	
Chloromethane	ND	ug/kg	5.8	1.4	1		03/03/09 15:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	2.9	0.99	1		03/03/09 15:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	2.9	1.0	1		03/03/09 15:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	2.9	2.1	1		03/03/09 15:43	96-12-8	
Dibromochloromethane	ND	ug/kg	2.9	1.0	1		03/03/09 15:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	2.9	1.0	1		03/03/09 15:43	106-93-4	
Dibromomethane	ND	ug/kg	2.9	1.5	1		03/03/09 15:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	2.9	1.1	1		03/03/09 15:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	2.9	1.2	1		03/03/09 15:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	2.9	0.99	1		03/03/09 15:43	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.8	2.1	1		03/03/09 15:43	75-71-8	
1,1-Dichloroethane	ND	ug/kg	2.9	0.87	1		03/03/09 15:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	2.9	1.3	1		03/03/09 15:43	107-06-2	
1,1-Dichloroethene	ND	ug/kg	2.9	1.0	1		03/03/09 15:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.9	0.82	1		03/03/09 15:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.9	1.1	1		03/03/09 15:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	2.9	0.99	1		03/03/09 15:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	2.9	1.1	1		03/03/09 15:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	2.9	0.99	1		03/03/09 15:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	2.9	0.87	1		03/03/09 15:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	2.9	1.0	1		03/03/09 15:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	2.9	0.87	1		03/03/09 15:43	10061-02-6	
Diisopropyl ether	ND	ug/kg	2.9	0.99	1		03/03/09 15:43	108-20-3	
Ethylbenzene	ND	ug/kg	2.9	1.0	1		03/03/09 15:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	2.9	1.2	1		03/03/09 15:43	87-68-3	
2-Hexanone	ND	ug/kg	29.1	2.3	1		03/03/09 15:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	2.9	1.1	1		03/03/09 15:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	2.9	0.99	1		03/03/09 15:43	99-87-6	
Methylene Chloride	ND	ug/kg	11.7	1.7	1		03/03/09 15:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	29.1	2.2	1		03/03/09 15:43	108-10-1	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-10 **Lab ID: 9238344010** Collected: 02/17/09 15:10 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	2.9	0.87	1		03/03/09 15:43	1634-04-4	
Naphthalene	ND	ug/kg	2.9	0.70	1		03/03/09 15:43	91-20-3	
n-Propylbenzene	ND	ug/kg	2.9	0.99	1		03/03/09 15:43	103-65-1	
Styrene	ND	ug/kg	2.9	1.0	1		03/03/09 15:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.9	1.2	1		03/03/09 15:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9	1.1	1		03/03/09 15:43	79-34-5	
Tetrachloroethene	ND	ug/kg	2.9	0.99	1		03/03/09 15:43	127-18-4	
Toluene	**5.6**	ug/kg	2.9	1.0	1		03/03/09 15:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	2.9	1.3	1		03/03/09 15:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	2.9	0.93	1		03/03/09 15:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	2.9	1.0	1		03/03/09 15:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	2.9	1.2	1		03/03/09 15:43	79-00-5	
Trichloroethene	ND	ug/kg	2.9	1.2	1		03/03/09 15:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	2.9	1.3	1		03/03/09 15:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	2.9	0.93	1		03/03/09 15:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	2.9	1.2	1		03/03/09 15:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	2.9	1.0	1		03/03/09 15:43	108-67-8	
Vinyl acetate	ND	ug/kg	29.1	5.1	1		03/03/09 15:43	108-05-4	
Vinyl chloride	ND	ug/kg	5.8	1.0	1		03/03/09 15:43	75-01-4	
m&p-Xylene	ND	ug/kg	5.8	2.1	1		03/03/09 15:43	1330-20-7	
o-Xylene	ND	ug/kg	2.9	1.1	1		03/03/09 15:43	95-47-6	
Dibromofluoromethane (S)	122	%	79-116		1		03/03/09 15:43	1868-53-7	S0
Toluene-d8 (S)	114	%	88-110		1		03/03/09 15:43	2037-26-5	S0
4-Bromofluorobenzene (S)	99	%	74-115		1		03/03/09 15:43	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	69-121		1		03/03/09 15:43	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.4**	%	0.10	0.10	1		02/20/09 08:46		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-11 **Lab ID: 9238344011** Collected: 02/17/09 14:55 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**23.1J**	ug/kg	56.4	5.6	1		03/03/09 16:02	67-64-1	
Benzene	ND	ug/kg	2.8	0.90	1		03/03/09 16:02	71-43-2	
Bromobenzene	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	108-86-1	
Bromochloromethane	ND	ug/kg	2.8	0.96	1		03/03/09 16:02	74-97-5	
Bromodichloromethane	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	75-27-4	
Bromoform	ND	ug/kg	2.8	1.3	1		03/03/09 16:02	75-25-2	
Bromomethane	ND	ug/kg	5.6	1.4	1		03/03/09 16:02	74-83-9	
2-Butanone (MEK)	ND	ug/kg	56.4	1.6	1		03/03/09 16:02	78-93-3	
n-Butylbenzene	ND	ug/kg	2.8	1.0	1		03/03/09 16:02	104-51-8	
sec-Butylbenzene	ND	ug/kg	2.8	0.90	1		03/03/09 16:02	135-98-8	
tert-Butylbenzene	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	98-06-6	
Carbon tetrachloride	ND	ug/kg	2.8	1.5	1		03/03/09 16:02	56-23-5	
Chlorobenzene	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	108-90-7	
Chloroethane	ND	ug/kg	5.6	1.4	1		03/03/09 16:02	75-00-3	
Chloroform	ND	ug/kg	2.8	0.90	1		03/03/09 16:02	67-66-3	
Chloromethane	ND	ug/kg	5.6	1.4	1		03/03/09 16:02	74-87-3	
2-Chlorotoluene	ND	ug/kg	2.8	0.96	1		03/03/09 16:02	95-49-8	
4-Chlorotoluene	ND	ug/kg	2.8	1.0	1		03/03/09 16:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	2.8	2.0	1		03/03/09 16:02	96-12-8	
Dibromochloromethane	ND	ug/kg	2.8	1.0	1		03/03/09 16:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	2.8	1.0	1		03/03/09 16:02	106-93-4	
Dibromomethane	ND	ug/kg	2.8	1.4	1		03/03/09 16:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	2.8	0.96	1		03/03/09 16:02	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.6	2.0	1		03/03/09 16:02	75-71-8	
1,1-Dichloroethane	ND	ug/kg	2.8	0.85	1		03/03/09 16:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	2.8	1.2	1		03/03/09 16:02	107-06-2	
1,1-Dichloroethene	ND	ug/kg	2.8	1.0	1		03/03/09 16:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.8	0.79	1		03/03/09 16:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	156-60-5	
1,2-Dichloropropane	ND	ug/kg	2.8	0.96	1		03/03/09 16:02	78-87-5	
1,3-Dichloropropane	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	142-28-9	
2,2-Dichloropropane	ND	ug/kg	2.8	0.96	1		03/03/09 16:02	594-20-7	
1,1-Dichloropropene	ND	ug/kg	2.8	0.85	1		03/03/09 16:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	2.8	1.0	1		03/03/09 16:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	2.8	0.85	1		03/03/09 16:02	10061-02-6	
Diisopropyl ether	ND	ug/kg	2.8	0.96	1		03/03/09 16:02	108-20-3	
Ethylbenzene	ND	ug/kg	2.8	1.0	1		03/03/09 16:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	87-68-3	
2-Hexanone	ND	ug/kg	28.2	2.2	1		03/03/09 16:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	98-82-8	
p-Isopropyltoluene	ND	ug/kg	2.8	0.96	1		03/03/09 16:02	99-87-6	
Methylene Chloride	**7.5J**	ug/kg	11.3	1.7	1		03/03/09 16:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	28.2	2.1	1		03/03/09 16:02	108-10-1	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-11 **Lab ID: 9238344011** Collected: 02/17/09 14:55 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	2.8	0.85	1		03/03/09 16:02	1634-04-4	
Naphthalene	ND	ug/kg	2.8	0.68	1		03/03/09 16:02	91-20-3	
n-Propylbenzene	ND	ug/kg	2.8	0.96	1		03/03/09 16:02	103-65-1	
Styrene	ND	ug/kg	2.8	1.0	1		03/03/09 16:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8	1.2	1		03/03/09 16:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	79-34-5	
Tetrachloroethene	ND	ug/kg	2.8	0.96	1		03/03/09 16:02	127-18-4	
Toluene	**23.7**	ug/kg	2.8	1.0	1		03/03/09 16:02	108-88-3	IR
1,2,3-Trichlorobenzene	ND	ug/kg	2.8	1.2	1		03/03/09 16:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	2.8	0.90	1		03/03/09 16:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	2.8	1.0	1		03/03/09 16:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	2.8	1.2	1		03/03/09 16:02	79-00-5	
Trichloroethene	ND	ug/kg	2.8	1.2	1		03/03/09 16:02	79-01-6	
Trichlorofluoromethane	ND	ug/kg	2.8	1.2	1		03/03/09 16:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	2.8	0.90	1		03/03/09 16:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	2.8	1.0	1		03/03/09 16:02	108-67-8	
Vinyl acetate	ND	ug/kg	28.2	5.0	1		03/03/09 16:02	108-05-4	
Vinyl chloride	ND	ug/kg	5.6	1.0	1		03/03/09 16:02	75-01-4	
m&p-Xylene	ND	ug/kg	5.6	2.0	1		03/03/09 16:02	1330-20-7	
o-Xylene	ND	ug/kg	2.8	1.1	1		03/03/09 16:02	95-47-6	
Dibromofluoromethane (S)	104	%	79-116		1		03/03/09 16:02	1868-53-7	
Toluene-d8 (S)	103	%	88-110		1		03/03/09 16:02	2037-26-5	
4-Bromofluorobenzene (S)	97	%	74-115		1		03/03/09 16:02	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	69-121		1		03/03/09 16:02	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.7**	%	0.10	0.10	1		02/20/09 08:47		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-12 **Lab ID: 9238344012** Collected: 02/17/09 14:45 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**17.3J**	ug/kg	52.7	5.3	1		03/03/09 16:20	67-64-1	
Benzene	ND	ug/kg	2.6	0.84	1		03/03/09 16:20	71-43-2	
Bromobenzene	ND	ug/kg	2.6	1.1	1		03/03/09 16:20	108-86-1	
Bromochloromethane	ND	ug/kg	2.6	0.90	1		03/03/09 16:20	74-97-5	
Bromodichloromethane	ND	ug/kg	2.6	1.0	1		03/03/09 16:20	75-27-4	
Bromoform	ND	ug/kg	2.6	1.2	1		03/03/09 16:20	75-25-2	
Bromomethane	ND	ug/kg	5.3	1.3	1		03/03/09 16:20	74-83-9	
2-Butanone (MEK)	ND	ug/kg	52.7	1.5	1		03/03/09 16:20	78-93-3	
n-Butylbenzene	ND	ug/kg	2.6	0.95	1		03/03/09 16:20	104-51-8	
sec-Butylbenzene	ND	ug/kg	2.6	0.84	1		03/03/09 16:20	135-98-8	
tert-Butylbenzene	ND	ug/kg	2.6	1.1	1		03/03/09 16:20	98-06-6	
Carbon tetrachloride	ND	ug/kg	2.6	1.4	1		03/03/09 16:20	56-23-5	
Chlorobenzene	ND	ug/kg	2.6	1.0	1		03/03/09 16:20	108-90-7	
Chloroethane	ND	ug/kg	5.3	1.3	1		03/03/09 16:20	75-00-3	
Chloroform	ND	ug/kg	2.6	0.84	1		03/03/09 16:20	67-66-3	
Chloromethane	ND	ug/kg	5.3	1.3	1		03/03/09 16:20	74-87-3	
2-Chlorotoluene	ND	ug/kg	2.6	0.90	1		03/03/09 16:20	95-49-8	
4-Chlorotoluene	ND	ug/kg	2.6	0.95	1		03/03/09 16:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	2.6	1.9	1		03/03/09 16:20	96-12-8	
Dibromochloromethane	ND	ug/kg	2.6	0.95	1		03/03/09 16:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	2.6	0.95	1		03/03/09 16:20	106-93-4	
Dibromomethane	ND	ug/kg	2.6	1.3	1		03/03/09 16:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	2.6	1.0	1		03/03/09 16:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	2.6	1.1	1		03/03/09 16:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	2.6	0.90	1		03/03/09 16:20	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.3	1.9	1		03/03/09 16:20	75-71-8	
1,1-Dichloroethane	ND	ug/kg	2.6	0.79	1		03/03/09 16:20	75-34-3	
1,2-Dichloroethane	ND	ug/kg	2.6	1.2	1		03/03/09 16:20	107-06-2	
1,1-Dichloroethene	ND	ug/kg	2.6	0.95	1		03/03/09 16:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.6	0.74	1		03/03/09 16:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.6	1.0	1		03/03/09 16:20	156-60-5	
1,2-Dichloropropane	ND	ug/kg	2.6	0.90	1		03/03/09 16:20	78-87-5	
1,3-Dichloropropane	ND	ug/kg	2.6	1.0	1		03/03/09 16:20	142-28-9	
2,2-Dichloropropane	ND	ug/kg	2.6	0.90	1		03/03/09 16:20	594-20-7	
1,1-Dichloropropene	ND	ug/kg	2.6	0.79	1		03/03/09 16:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	2.6	0.95	1		03/03/09 16:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	2.6	0.79	1		03/03/09 16:20	10061-02-6	
Diisopropyl ether	ND	ug/kg	2.6	0.90	1		03/03/09 16:20	108-20-3	
Ethylbenzene	ND	ug/kg	2.6	0.95	1		03/03/09 16:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	2.6	1.1	1		03/03/09 16:20	87-68-3	
2-Hexanone	ND	ug/kg	26.3	2.1	1		03/03/09 16:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	2.6	1.0	1		03/03/09 16:20	98-82-8	
p-Isopropyltoluene	ND	ug/kg	2.6	0.90	1		03/03/09 16:20	99-87-6	
Methylene Chloride	ND	ug/kg	10.5	1.6	1		03/03/09 16:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	26.3	1.9	1		03/03/09 16:20	108-10-1	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SB-12 **Lab ID: 9238344012** Collected: 02/17/09 14:45 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	2.6	0.79	1		03/03/09 16:20	1634-04-4	
Naphthalene	ND	ug/kg	2.6	0.63	1		03/03/09 16:20	91-20-3	
n-Propylbenzene	ND	ug/kg	2.6	0.90	1		03/03/09 16:20	103-65-1	
Styrene	ND	ug/kg	2.6	0.95	1		03/03/09 16:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.6	1.1	1		03/03/09 16:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.6	1.0	1		03/03/09 16:20	79-34-5	
Tetrachloroethene	ND	ug/kg	2.6	0.90	1		03/03/09 16:20	127-18-4	
Toluene	ND	ug/kg	2.6	0.95	1		03/03/09 16:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	2.6	1.2	1		03/03/09 16:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	2.6	0.84	1		03/03/09 16:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	2.6	0.95	1		03/03/09 16:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	2.6	1.1	1		03/03/09 16:20	79-00-5	
Trichloroethene	ND	ug/kg	2.6	1.1	1		03/03/09 16:20	79-01-6	
Trichlorofluoromethane	ND	ug/kg	2.6	1.2	1		03/03/09 16:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	2.6	0.84	1		03/03/09 16:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	2.6	1.1	1		03/03/09 16:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	2.6	0.95	1		03/03/09 16:20	108-67-8	
Vinyl acetate	ND	ug/kg	26.3	4.6	1		03/03/09 16:20	108-05-4	
Vinyl chloride	ND	ug/kg	5.3	0.95	1		03/03/09 16:20	75-01-4	
m&p-Xylene	ND	ug/kg	5.3	1.9	1		03/03/09 16:20	1330-20-7	
o-Xylene	ND	ug/kg	2.6	1.0	1		03/03/09 16:20	95-47-6	
Dibromofluoromethane (S)	125	%	79-116		1		03/03/09 16:20	1868-53-7	S0
Toluene-d8 (S)	114	%	88-110		1		03/03/09 16:20	2037-26-5	S0
4-Bromofluorobenzene (S)	100	%	74-115		1		03/03/09 16:20	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	69-121		1		03/03/09 16:20	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.0**	%	0.10	0.10	1		02/20/09 08:47		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SBDUP **Lab ID: 9238344013** Collected: 02/17/09 14:15 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**11.0J**	ug/kg	51.3	5.1	1		03/03/09 16:38	67-64-1	
Benzene	ND	ug/kg	2.6	0.82	1		03/03/09 16:38	71-43-2	
Bromobenzene	ND	ug/kg	2.6	1.0	1		03/03/09 16:38	108-86-1	
Bromochloromethane	ND	ug/kg	2.6	0.87	1		03/03/09 16:38	74-97-5	
Bromodichloromethane	ND	ug/kg	2.6	0.97	1		03/03/09 16:38	75-27-4	
Bromoform	ND	ug/kg	2.6	1.2	1		03/03/09 16:38	75-25-2	
Bromomethane	ND	ug/kg	5.1	1.3	1		03/03/09 16:38	74-83-9	
2-Butanone (MEK)	ND	ug/kg	51.3	1.5	1		03/03/09 16:38	78-93-3	
n-Butylbenzene	ND	ug/kg	2.6	0.92	1		03/03/09 16:38	104-51-8	
sec-Butylbenzene	ND	ug/kg	2.6	0.82	1		03/03/09 16:38	135-98-8	
tert-Butylbenzene	ND	ug/kg	2.6	1.0	1		03/03/09 16:38	98-06-6	
Carbon tetrachloride	ND	ug/kg	2.6	1.3	1		03/03/09 16:38	56-23-5	
Chlorobenzene	ND	ug/kg	2.6	0.97	1		03/03/09 16:38	108-90-7	
Chloroethane	ND	ug/kg	5.1	1.2	1		03/03/09 16:38	75-00-3	
Chloroform	ND	ug/kg	2.6	0.82	1		03/03/09 16:38	67-66-3	
Chloromethane	ND	ug/kg	5.1	1.2	1		03/03/09 16:38	74-87-3	
2-Chlorotoluene	ND	ug/kg	2.6	0.87	1		03/03/09 16:38	95-49-8	
4-Chlorotoluene	ND	ug/kg	2.6	0.92	1		03/03/09 16:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	2.6	1.8	1		03/03/09 16:38	96-12-8	
Dibromochloromethane	ND	ug/kg	2.6	0.92	1		03/03/09 16:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	2.6	0.92	1		03/03/09 16:38	106-93-4	
Dibromomethane	ND	ug/kg	2.6	1.3	1		03/03/09 16:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	2.6	0.97	1		03/03/09 16:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	2.6	1.0	1		03/03/09 16:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	2.6	0.87	1		03/03/09 16:38	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.1	1.8	1		03/03/09 16:38	75-71-8	
1,1-Dichloroethane	ND	ug/kg	2.6	0.77	1		03/03/09 16:38	75-34-3	
1,2-Dichloroethane	ND	ug/kg	2.6	1.1	1		03/03/09 16:38	107-06-2	
1,1-Dichloroethene	ND	ug/kg	2.6	0.92	1		03/03/09 16:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	2.6	0.72	1		03/03/09 16:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	2.6	0.97	1		03/03/09 16:38	156-60-5	
1,2-Dichloropropane	ND	ug/kg	2.6	0.87	1		03/03/09 16:38	78-87-5	
1,3-Dichloropropane	ND	ug/kg	2.6	0.97	1		03/03/09 16:38	142-28-9	
2,2-Dichloropropane	ND	ug/kg	2.6	0.87	1		03/03/09 16:38	594-20-7	
1,1-Dichloropropene	ND	ug/kg	2.6	0.77	1		03/03/09 16:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	2.6	0.92	1		03/03/09 16:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	2.6	0.77	1		03/03/09 16:38	10061-02-6	
Diisopropyl ether	ND	ug/kg	2.6	0.87	1		03/03/09 16:38	108-20-3	
Ethylbenzene	ND	ug/kg	2.6	0.92	1		03/03/09 16:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	2.6	1.0	1		03/03/09 16:38	87-68-3	
2-Hexanone	ND	ug/kg	25.7	2.0	1		03/03/09 16:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	2.6	0.97	1		03/03/09 16:38	98-82-8	
p-Isopropyltoluene	ND	ug/kg	2.6	0.87	1		03/03/09 16:38	99-87-6	
Methylene Chloride	ND	ug/kg	10.3	1.5	1		03/03/09 16:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.7	1.9	1		03/03/09 16:38	108-10-1	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF SBDUP **Lab ID: 9238344013** Collected: 02/17/09 14:15 Received: 02/19/09 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	2.6	0.77	1		03/03/09 16:38	1634-04-4	
Naphthalene	ND	ug/kg	2.6	0.62	1		03/03/09 16:38	91-20-3	
n-Propylbenzene	ND	ug/kg	2.6	0.87	1		03/03/09 16:38	103-65-1	
Styrene	ND	ug/kg	2.6	0.92	1		03/03/09 16:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.6	1.1	1		03/03/09 16:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.6	0.97	1		03/03/09 16:38	79-34-5	
Tetrachloroethene	ND	ug/kg	2.6	0.87	1		03/03/09 16:38	127-18-4	
Toluene	ND	ug/kg	2.6	0.92	1		03/03/09 16:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	2.6	1.1	1		03/03/09 16:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	2.6	0.82	1		03/03/09 16:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	2.6	0.92	1		03/03/09 16:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	2.6	1.1	1		03/03/09 16:38	79-00-5	
Trichloroethene	ND	ug/kg	2.6	1.1	1		03/03/09 16:38	79-01-6	
Trichlorofluoromethane	ND	ug/kg	2.6	1.1	1		03/03/09 16:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	2.6	0.82	1		03/03/09 16:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	2.6	1.0	1		03/03/09 16:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	2.6	0.92	1		03/03/09 16:38	108-67-8	
Vinyl acetate	ND	ug/kg	25.7	4.5	1		03/03/09 16:38	108-05-4	
Vinyl chloride	ND	ug/kg	5.1	0.92	1		03/03/09 16:38	75-01-4	
m&p-Xylene	ND	ug/kg	5.1	1.8	1		03/03/09 16:38	1330-20-7	
o-Xylene	ND	ug/kg	2.6	0.97	1		03/03/09 16:38	95-47-6	
Dibromofluoromethane (S)	104	%	79-116		1		03/03/09 16:38	1868-53-7	
Toluene-d8 (S)	107	%	88-110		1		03/03/09 16:38	2037-26-5	
4-Bromofluorobenzene (S)	98	%	74-115		1		03/03/09 16:38	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	69-121		1		03/03/09 16:38	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.4**	%	0.10	0.10	1		02/20/09 08:47		

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMW01 **Lab ID: 9238344014** Collected: 02/18/09 09:00 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 05:01	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 05:01	100-41-4	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/09 05:01	91-20-3	
Toluene	**2.0**	ug/L	1.0	0.26	1		02/28/09 05:01	108-88-3	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 05:01	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 05:01	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		02/28/09 05:01	460-00-4	
Dibromofluoromethane (S)	108	%	85-115		1		02/28/09 05:01	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	79-120		1		02/28/09 05:01	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		02/28/09 05:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMW02 **Lab ID: 9238344015** Collected: 02/18/09 09:30 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		03/02/09 12:53	71-43-2	
Ethylbenzene	**2.3**	ug/L	1.0	0.30	1		03/02/09 12:53	100-41-4	
Naphthalene	**17.6**	ug/L	1.0	0.24	1		03/02/09 12:53	91-20-3	
Toluene	**0.60J**	ug/L	1.0	0.26	1		03/02/09 12:53	108-88-3	
m&p-Xylene	**8.8**	ug/L	2.0	0.66	1		03/02/09 12:53	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		03/02/09 12:53	95-47-6	
4-Bromofluorobenzene (S)	103	%	87-109		1		03/02/09 12:53	460-00-4	
Dibromofluoromethane (S)	109	%	85-115		1		03/02/09 12:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	79-120		1		03/02/09 12:53	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		03/02/09 12:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMW03 **Lab ID: 9238344016** Collected: 02/18/09 09:55 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 05:48	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 05:48	100-41-4	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/09 05:48	91-20-3	
Toluene	**3.4**	ug/L	1.0	0.26	1		02/28/09 05:48	108-88-3	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 05:48	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 05:48	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		02/28/09 05:48	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/09 05:48	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	79-120		1		02/28/09 05:48	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/09 05:48	2037-26-5	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMW04 **Lab ID: 9238344017** Collected: 02/18/09 10:25 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 06:12	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 06:12	100-41-4	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/09 06:12	91-20-3	
Toluene	**3.1**	ug/L	1.0	0.26	1		02/28/09 06:12	108-88-3	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 06:12	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 06:12	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		02/28/09 06:12	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/09 06:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	79-120		1		02/28/09 06:12	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		02/28/09 06:12	2037-26-5	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMW05 **Lab ID: 9238344018** Collected: 02/18/09 12:15 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	**1.3**	ug/L	1.0	0.25	1		02/28/09 06:35	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 06:35	100-41-4	
Naphthalene	**0.52J**	ug/L	1.0	0.24	1		02/28/09 06:35	91-20-3	
Toluene	**0.83J**	ug/L	1.0	0.26	1		02/28/09 06:35	108-88-3	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 06:35	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 06:35	95-47-6	
4-Bromofluorobenzene (S)	99	%	87-109		1		02/28/09 06:35	460-00-4	
Dibromofluoromethane (S)	106	%	85-115		1		02/28/09 06:35	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	79-120		1		02/28/09 06:35	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/09 06:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMW06 **Lab ID: 9238344019** Collected: 02/18/09 12:00 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 06:59	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 06:59	100-41-4	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/09 06:59	91-20-3	
Toluene	**0.44J**	ug/L	1.0	0.26	1		02/28/09 06:59	108-88-3	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 06:59	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 06:59	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		02/28/09 06:59	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/09 06:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	79-120		1		02/28/09 06:59	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		02/28/09 06:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMW07 **Lab ID: 9238344020** Collected: 02/18/09 11:15 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	**13.7**	ug/L	1.0	0.25	1		03/02/09 13:17	71-43-2	
Ethylbenzene	**19.0**	ug/L	1.0	0.30	1		03/02/09 13:17	100-41-4	
Naphthalene	**139**	ug/L	1.0	0.24	1		03/02/09 13:17	91-20-3	
Toluene	**32.4**	ug/L	1.0	0.26	1		03/02/09 13:17	108-88-3	
m&p-Xylene	**61.7**	ug/L	2.0	0.66	1		03/02/09 13:17	1330-20-7	
o-Xylene	**42.8**	ug/L	1.0	0.23	1		03/02/09 13:17	95-47-6	
4-Bromofluorobenzene (S)	101	%	87-109		1		03/02/09 13:17	460-00-4	
Dibromofluoromethane (S)	103	%	85-115		1		03/02/09 13:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	79-120		1		03/02/09 13:17	17060-07-0	
Toluene-d8 (S)	105	%	70-120		1		03/02/09 13:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMW08 **Lab ID: 9238344021** Collected: 02/18/09 12:50 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	**0.30J**	ug/L	1.0	0.25	1		02/28/09 07:46	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 07:46	100-41-4	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/09 07:46	91-20-3	
Toluene	**2.0**	ug/L	1.0	0.26	1		02/28/09 07:46	108-88-3	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 07:46	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 07:46	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		02/28/09 07:46	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/09 07:46	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120		1		02/28/09 07:46	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		02/28/09 07:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMW09 **Lab ID: 9238344022** Collected: 02/18/09 12:40 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 08:10	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 08:10	100-41-4	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/09 08:10	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 08:10	108-88-3	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 08:10	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 08:10	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		02/28/09 08:10	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/09 08:10	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120		1		02/28/09 08:10	17060-07-0	
Toluene-d8 (S)	101	%	70-120		1		02/28/09 08:10	2037-26-5	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMW10 **Lab ID: 9238344023** Collected: 02/18/09 12:50 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 08:34	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 08:34	100-41-4	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/09 08:34	91-20-3	
Toluene	**0.45J**	ug/L	1.0	0.26	1		02/28/09 08:34	108-88-3	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 08:34	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 08:34	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109		1		02/28/09 08:34	460-00-4	
Dibromofluoromethane (S)	108	%	85-115		1		02/28/09 08:34	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	79-120		1		02/28/09 08:34	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		02/28/09 08:34	2037-26-5	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMW11 **Lab ID: 9238344024** Collected: 02/18/09 12:20 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 08:57	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 08:57	100-41-4	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/09 08:57	91-20-3	
Toluene	**1.2**	ug/L	1.0	0.26	1		02/28/09 08:57	108-88-3	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 08:57	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 08:57	95-47-6	
4-Bromofluorobenzene (S)	98	%	87-109		1		02/28/09 08:57	460-00-4	
Dibromofluoromethane (S)	107	%	85-115		1		02/28/09 08:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120		1		02/28/09 08:57	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		02/28/09 08:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMW12 **Lab ID: 9238344025** Collected: 02/18/09 12:05 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 09:21	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 09:21	100-41-4	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/09 09:21	91-20-3	
Toluene	ND	ug/L	1.0	0.26	1		02/28/09 09:21	108-88-3	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 09:21	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 09:21	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		02/28/09 09:21	460-00-4	
Dibromofluoromethane (S)	108	%	85-115		1		02/28/09 09:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	79-120		1		02/28/09 09:21	17060-07-0	
Toluene-d8 (S)	100	%	70-120		1		02/28/09 09:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

Sample: CTF TMWDUP **Lab ID: 9238344026** Collected: 02/18/09 12:50 Received: 02/19/09 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		02/28/09 09:45	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/09 09:45	100-41-4	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/09 09:45	91-20-3	
Toluene	**0.44J**	ug/L	1.0	0.26	1		02/28/09 09:45	108-88-3	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/09 09:45	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/09 09:45	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109		1		02/28/09 09:45	460-00-4	
Dibromofluoromethane (S)	108	%	85-115		1		02/28/09 09:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	79-120		1		02/28/09 09:45	17060-07-0	
Toluene-d8 (S)	104	%	70-120		1		02/28/09 09:45	2037-26-5	

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QUALITY CONTROL DATA

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

QC Batch: MSV/6233 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9238344014, 9238344015, 9238344016, 9238344017, 9238344018, 9238344019, 9238344020, 9238344021, 9238344022

METHOD BLANK: 242892 Matrix: Water
Associated Lab Samples: 9238344014, 9238344015, 9238344016, 9238344017, 9238344018, 9238344019, 9238344020, 9238344021, 9238344022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	02/28/09 00:16	
Ethylbenzene	ug/L	ND	1.0	02/28/09 00:16	
m&p-Xylene	ug/L	ND	2.0	02/28/09 00:16	
Naphthalene	ug/L	ND	1.0	02/28/09 00:16	
o-Xylene	ug/L	ND	1.0	02/28/09 00:16	
Toluene	ug/L	ND	1.0	02/28/09 00:16	
1,2-Dichloroethane-d4 (S)	%	102	79-120	02/28/09 00:16	
4-Bromofluorobenzene (S)	%	99	87-109	02/28/09 00:16	
Dibromofluoromethane (S)	%	103	85-115	02/28/09 00:16	
Toluene-d8 (S)	%	100	70-120	02/28/09 00:16	

LABORATORY CONTROL SAMPLE: 242893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	49.7	99	78-128	
Ethylbenzene	ug/L	50	50.2	100	80-127	
m&p-Xylene	ug/L	100	103	103	82-127	
Naphthalene	ug/L	50	65.7	131	52-136	
o-Xylene	ug/L	50	51.8	104	83-124	
Toluene	ug/L	50	48.3	97	76-126	
1,2-Dichloroethane-d4 (S)	%			103	79-120	
4-Bromofluorobenzene (S)	%			102	87-109	
Dibromofluoromethane (S)	%			99	85-115	
Toluene-d8 (S)	%			99	70-120	

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QUALITY CONTROL DATA

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

QC Batch: MSV/6279
Analysis Method: EPA 8260
QC Batch Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 9238344002, 9238344005

METHOD BLANK: 243967
Matrix: Solid
Associated Lab Samples: 9238344002, 9238344005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	03/03/09 13:17	
1,1,1-Trichloroethane	ug/kg	ND	5.0	03/03/09 13:17	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	03/03/09 13:17	
1,1,2-Trichloroethane	ug/kg	ND	5.0	03/03/09 13:17	
1,1-Dichloroethane	ug/kg	ND	5.0	03/03/09 13:17	
1,1-Dichloroethene	ug/kg	ND	5.0	03/03/09 13:17	
1,1-Dichloropropene	ug/kg	ND	5.0	03/03/09 13:17	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	03/03/09 13:17	
1,2,3-Trichloropropane	ug/kg	ND	5.0	03/03/09 13:17	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	03/03/09 13:17	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	03/03/09 13:17	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	03/03/09 13:17	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	03/03/09 13:17	
1,2-Dichlorobenzene	ug/kg	ND	5.0	03/03/09 13:17	
1,2-Dichloroethane	ug/kg	ND	5.0	03/03/09 13:17	
1,2-Dichloropropane	ug/kg	ND	5.0	03/03/09 13:17	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	03/03/09 13:17	
1,3-Dichlorobenzene	ug/kg	ND	5.0	03/03/09 13:17	
1,3-Dichloropropane	ug/kg	ND	5.0	03/03/09 13:17	
1,4-Dichlorobenzene	ug/kg	ND	5.0	03/03/09 13:17	
2,2-Dichloropropane	ug/kg	ND	5.0	03/03/09 13:17	
2-Butanone (MEK)	ug/kg	ND	100	03/03/09 13:17	
2-Chlorotoluene	ug/kg	ND	5.0	03/03/09 13:17	
2-Hexanone	ug/kg	ND	50.0	03/03/09 13:17	
4-Chlorotoluene	ug/kg	ND	5.0	03/03/09 13:17	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	03/03/09 13:17	
Acetone	ug/kg	ND	100	03/03/09 13:17	
Benzene	ug/kg	ND	5.0	03/03/09 13:17	
Bromobenzene	ug/kg	ND	5.0	03/03/09 13:17	
Bromochloromethane	ug/kg	ND	5.0	03/03/09 13:17	
Bromodichloromethane	ug/kg	ND	5.0	03/03/09 13:17	
Bromoform	ug/kg	ND	5.0	03/03/09 13:17	
Bromomethane	ug/kg	ND	10.0	03/03/09 13:17	
Carbon tetrachloride	ug/kg	ND	5.0	03/03/09 13:17	
Chlorobenzene	ug/kg	ND	5.0	03/03/09 13:17	
Chloroethane	ug/kg	ND	10.0	03/03/09 13:17	
Chloroform	ug/kg	ND	5.0	03/03/09 13:17	
Chloromethane	ug/kg	ND	10.0	03/03/09 13:17	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	03/03/09 13:17	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	03/03/09 13:17	
Dibromochloromethane	ug/kg	ND	5.0	03/03/09 13:17	
Dibromomethane	ug/kg	ND	5.0	03/03/09 13:17	
Dichlorodifluoromethane	ug/kg	ND	10.0	03/03/09 13:17	

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QUALITY CONTROL DATA

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

METHOD BLANK: 243967 Matrix: Solid

Associated Lab Samples: 9238344002, 9238344005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.0	03/03/09 13:17	
Ethylbenzene	ug/kg	ND	5.0	03/03/09 13:17	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	03/03/09 13:17	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	03/03/09 13:17	
m&p-Xylene	ug/kg	ND	10.0	03/03/09 13:17	
Methyl-tert-butyl ether	ug/kg	ND	5.0	03/03/09 13:17	
Methylene Chloride	ug/kg	ND	20.0	03/03/09 13:17	
n-Butylbenzene	ug/kg	ND	5.0	03/03/09 13:17	
n-Propylbenzene	ug/kg	ND	5.0	03/03/09 13:17	
Naphthalene	ug/kg	ND	5.0	03/03/09 13:17	
o-Xylene	ug/kg	ND	5.0	03/03/09 13:17	
p-Isopropyltoluene	ug/kg	ND	5.0	03/03/09 13:17	
sec-Butylbenzene	ug/kg	ND	5.0	03/03/09 13:17	
Styrene	ug/kg	ND	5.0	03/03/09 13:17	
tert-Butylbenzene	ug/kg	ND	5.0	03/03/09 13:17	
Tetrachloroethene	ug/kg	ND	5.0	03/03/09 13:17	
Toluene	ug/kg	ND	5.0	03/03/09 13:17	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	03/03/09 13:17	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	03/03/09 13:17	
Trichloroethene	ug/kg	ND	5.0	03/03/09 13:17	
Trichlorofluoromethane	ug/kg	ND	5.0	03/03/09 13:17	
Vinyl acetate	ug/kg	ND	50.0	03/03/09 13:17	
Vinyl chloride	ug/kg	ND	10.0	03/03/09 13:17	
1,2-Dichloroethane-d4 (S)	%	103	69-121	03/03/09 13:17	
4-Bromofluorobenzene (S)	%	97	74-115	03/03/09 13:17	
Dibromofluoromethane (S)	%	103	79-116	03/03/09 13:17	
Toluene-d8 (S)	%	108	88-110	03/03/09 13:17	

LABORATORY CONTROL SAMPLE: 243968

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	60.0	120	75-137	
1,1,1-Trichloroethane	ug/kg	50	58.7	117	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	56.8	114	74-133	
1,1,2-Trichloroethane	ug/kg	50	59.6	119	79-129	
1,1-Dichloroethane	ug/kg	50	59.1	118	72-139	
1,1-Dichloroethene	ug/kg	50	59.1	118	69-154	
1,1-Dichloropropene	ug/kg	50	59.7	119	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	58.0	116	71-150	
1,2,3-Trichloropropane	ug/kg	50	55.0	110	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	59.0	118	68-150	
1,2,4-Trimethylbenzene	ug/kg	50	63.1	126	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	58.2	116	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	56.8	114	77-136	
1,2-Dichlorobenzene	ug/kg	50	56.3	113	75-141	

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QUALITY CONTROL DATA

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

LABORATORY CONTROL SAMPLE: 243968

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/kg	50	56.8	114	74-134	
1,2-Dichloropropane	ug/kg	50	61.3	123	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	63.6	127	65-128	
1,3-Dichlorobenzene	ug/kg	50	56.8	114	76-133	
1,3-Dichloropropane	ug/kg	50	56.7	113	79-132	
1,4-Dichlorobenzene	ug/kg	50	67.2	134	75-137	
2,2-Dichloropropane	ug/kg	50	60.1	120	73-137	
2-Butanone (MEK)	ug/kg	100	107	107	61-138	
2-Chlorotoluene	ug/kg	50	54.3	109	73-138	
2-Hexanone	ug/kg	100	110	110	58-159	
4-Chlorotoluene	ug/kg	50	53.4	107	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	98.6	99	74-139	
Acetone	ug/kg	100	111	111	58-150	
Benzene	ug/kg	50	59.6	119	71-140	
Bromobenzene	ug/kg	50	51.0	102	72-144	
Bromochloromethane	ug/kg	50	57.7	115	78-133	
Bromodichloromethane	ug/kg	50	56.5	113	78-133	
Bromoform	ug/kg	50	57.7	115	74-132	
Bromomethane	ug/kg	50	56.1	112	63-184	
Carbon tetrachloride	ug/kg	50	60.6	121	73-143	
Chlorobenzene	ug/kg	50	54.5	109	77-137	
Chloroethane	ug/kg	50	59.7	119	68-146	
Chloroform	ug/kg	50	57.4	115	75-137	
Chloromethane	ug/kg	50	46.6	93	54-143	
cis-1,2-Dichloroethene	ug/kg	50	58.9	118	71-143	
cis-1,3-Dichloropropene	ug/kg	50	58.7	117	76-133	
Dibromochloromethane	ug/kg	50	56.1	112	77-131	
Dibromomethane	ug/kg	50	57.8	116	63-184	
Dichlorodifluoromethane	ug/kg	50	47.2	94	36-173	
Diisopropyl ether	ug/kg	50	55.3	111	68-144	
Ethylbenzene	ug/kg	50	58.0	116	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	59.8	120	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	61.1	122	77-143	
m&p-Xylene	ug/kg	100	125	125	72-138	
Methyl-tert-butyl ether	ug/kg	50	54.9	110	2-138	
Methylene Chloride	ug/kg	50	49.5	99	69-136	
n-Butylbenzene	ug/kg	50	59.8	120	65-128	
n-Propylbenzene	ug/kg	50	57.6	115	72-139	
Naphthalene	ug/kg	50	62.7	125	61-138	
o-Xylene	ug/kg	50	58.8	118	74-137	
p-Isopropyltoluene	ug/kg	50	63.0	126	66-128	
sec-Butylbenzene	ug/kg	50	57.0	114	72-140	
Styrene	ug/kg	50	61.7	123	76-137	
tert-Butylbenzene	ug/kg	50	58.1	116	68-141	
Tetrachloroethene	ug/kg	50	63.6	127	72-136	
Toluene	ug/kg	50	52.4	105	69-139	
trans-1,2-Dichloroethene	ug/kg	50	52.0	104	72-144	
trans-1,3-Dichloropropene	ug/kg	50	58.3	117	73-135	

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

QUALITY CONTROL DATA

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

LABORATORY CONTROL SAMPLE: 243968

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/kg	50	59.7	119	75-136	
Trichlorofluoromethane	ug/kg	50	52.6	105	69-144	
Vinyl acetate	ug/kg	100	132	132	50-150	
Vinyl chloride	ug/kg	50	51.6	103	61-145	
1,2-Dichloroethane-d4 (S)	%			91	69-121	
4-Bromofluorobenzene (S)	%			100	74-115	
Dibromofluoromethane (S)	%			93	79-116	
Toluene-d8 (S)	%			97	88-110	

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QUALITY CONTROL DATA

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

QC Batch: MSV/6240 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 9238344023, 9238344024, 9238344025, 9238344026

METHOD BLANK: 243126 Matrix: Water
Associated Lab Samples: 9238344023, 9238344024, 9238344025, 9238344026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	02/28/09 00:16	
Ethylbenzene	ug/L	ND	1.0	02/28/09 00:16	
m&p-Xylene	ug/L	ND	2.0	02/28/09 00:16	
Naphthalene	ug/L	ND	1.0	02/28/09 00:16	
o-Xylene	ug/L	ND	1.0	02/28/09 00:16	
Toluene	ug/L	ND	1.0	02/28/09 00:16	
1,2-Dichloroethane-d4 (S)	%	102	79-120	02/28/09 00:16	
4-Bromofluorobenzene (S)	%	99	87-109	02/28/09 00:16	
Dibromofluoromethane (S)	%	103	85-115	02/28/09 00:16	
Toluene-d8 (S)	%	100	70-120	02/28/09 00:16	

LABORATORY CONTROL SAMPLE: 243127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	49.7	99	78-128	
Ethylbenzene	ug/L	50	50.2	100	80-127	
m&p-Xylene	ug/L	100	103	103	82-127	
Naphthalene	ug/L	50	65.7	131	52-136	
o-Xylene	ug/L	50	51.8	104	83-124	
Toluene	ug/L	50	48.3	97	76-126	
1,2-Dichloroethane-d4 (S)	%			103	79-120	
4-Bromofluorobenzene (S)	%			102	87-109	
Dibromofluoromethane (S)	%			99	85-115	
Toluene-d8 (S)	%			99	70-120	

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QUALITY CONTROL DATA

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

QC Batch: PMST/2296 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9238344001, 9238344002, 9238344003, 9238344004, 9238344005, 9238344006, 9238344007, 9238344008, 9238344009, 9238344010, 9238344011, 9238344012, 9238344013

SAMPLE DUPLICATE: 239432

Parameter	Units	9238344012 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.0	16.0	14	25	

SAMPLE DUPLICATE: 239434

Parameter	Units	9238337001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.7	19.7	5	25	

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QUALITY CONTROL DATA

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

QC Batch: MSV/6278 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 9238344001, 9238344003, 9238344004, 9238344006, 9238344007, 9238344008, 9238344009, 9238344010, 9238344011, 9238344012, 9238344013

METHOD BLANK: 243965 Matrix: Solid
Associated Lab Samples: 9238344001, 9238344003, 9238344004, 9238344006, 9238344007, 9238344008, 9238344009, 9238344010, 9238344011, 9238344012, 9238344013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	03/03/09 12:58	
1,1,1-Trichloroethane	ug/kg	ND	5.0	03/03/09 12:58	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	03/03/09 12:58	
1,1,2-Trichloroethane	ug/kg	ND	5.0	03/03/09 12:58	
1,1-Dichloroethane	ug/kg	ND	5.0	03/03/09 12:58	
1,1-Dichloroethene	ug/kg	ND	5.0	03/03/09 12:58	
1,1-Dichloropropene	ug/kg	ND	5.0	03/03/09 12:58	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	03/03/09 12:58	
1,2,3-Trichloropropane	ug/kg	ND	5.0	03/03/09 12:58	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	03/03/09 12:58	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	03/03/09 12:58	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	03/03/09 12:58	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	03/03/09 12:58	
1,2-Dichlorobenzene	ug/kg	ND	5.0	03/03/09 12:58	
1,2-Dichloroethane	ug/kg	ND	5.0	03/03/09 12:58	
1,2-Dichloropropane	ug/kg	ND	5.0	03/03/09 12:58	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	03/03/09 12:58	
1,3-Dichlorobenzene	ug/kg	ND	5.0	03/03/09 12:58	
1,3-Dichloropropane	ug/kg	ND	5.0	03/03/09 12:58	
1,4-Dichlorobenzene	ug/kg	ND	5.0	03/03/09 12:58	
2,2-Dichloropropane	ug/kg	ND	5.0	03/03/09 12:58	
2-Butanone (MEK)	ug/kg	ND	100	03/03/09 12:58	
2-Chlorotoluene	ug/kg	ND	5.0	03/03/09 12:58	
2-Hexanone	ug/kg	ND	50.0	03/03/09 12:58	
4-Chlorotoluene	ug/kg	ND	5.0	03/03/09 12:58	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	03/03/09 12:58	
Acetone	ug/kg	ND	100	03/03/09 12:58	
Benzene	ug/kg	ND	5.0	03/03/09 12:58	
Bromobenzene	ug/kg	ND	5.0	03/03/09 12:58	
Bromochloromethane	ug/kg	ND	5.0	03/03/09 12:58	
Bromodichloromethane	ug/kg	ND	5.0	03/03/09 12:58	
Bromoform	ug/kg	ND	5.0	03/03/09 12:58	
Bromomethane	ug/kg	ND	10.0	03/03/09 12:58	
Carbon tetrachloride	ug/kg	ND	5.0	03/03/09 12:58	
Chlorobenzene	ug/kg	ND	5.0	03/03/09 12:58	
Chloroethane	ug/kg	ND	10.0	03/03/09 12:58	
Chloroform	ug/kg	ND	5.0	03/03/09 12:58	
Chloromethane	ug/kg	ND	10.0	03/03/09 12:58	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	03/03/09 12:58	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	03/03/09 12:58	
Dibromochloromethane	ug/kg	ND	5.0	03/03/09 12:58	

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QUALITY CONTROL DATA

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

METHOD BLANK: 243965 Matrix: Solid

Associated Lab Samples: 9238344001, 9238344003, 9238344004, 9238344006, 9238344007, 9238344008, 9238344009, 9238344010, 9238344011, 9238344012, 9238344013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.0	03/03/09 12:58	
Dichlorodifluoromethane	ug/kg	ND	10.0	03/03/09 12:58	
Diisopropyl ether	ug/kg	ND	5.0	03/03/09 12:58	
Ethylbenzene	ug/kg	ND	5.0	03/03/09 12:58	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	03/03/09 12:58	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	03/03/09 12:58	
m&p-Xylene	ug/kg	ND	10.0	03/03/09 12:58	
Methyl-tert-butyl ether	ug/kg	ND	5.0	03/03/09 12:58	
Methylene Chloride	ug/kg	ND	20.0	03/03/09 12:58	
n-Butylbenzene	ug/kg	ND	5.0	03/03/09 12:58	
n-Propylbenzene	ug/kg	ND	5.0	03/03/09 12:58	
Naphthalene	ug/kg	ND	5.0	03/03/09 12:58	
o-Xylene	ug/kg	ND	5.0	03/03/09 12:58	
p-Isopropyltoluene	ug/kg	ND	5.0	03/03/09 12:58	
sec-Butylbenzene	ug/kg	ND	5.0	03/03/09 12:58	
Styrene	ug/kg	ND	5.0	03/03/09 12:58	
tert-Butylbenzene	ug/kg	ND	5.0	03/03/09 12:58	
Tetrachloroethene	ug/kg	ND	5.0	03/03/09 12:58	
Toluene	ug/kg	ND	5.0	03/03/09 12:58	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	03/03/09 12:58	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	03/03/09 12:58	
Trichloroethene	ug/kg	ND	5.0	03/03/09 12:58	
Trichlorofluoromethane	ug/kg	ND	5.0	03/03/09 12:58	
Vinyl acetate	ug/kg	ND	50.0	03/03/09 12:58	
Vinyl chloride	ug/kg	ND	10.0	03/03/09 12:58	
1,2-Dichloroethane-d4 (S)	%	65	69-121	03/03/09 12:58	S0
4-Bromofluorobenzene (S)	%	98	74-115	03/03/09 12:58	
Dibromofluoromethane (S)	%	106	79-116	03/03/09 12:58	
Toluene-d8 (S)	%	110	88-110	03/03/09 12:58	

LABORATORY CONTROL SAMPLE: 243966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	61.1	122	75-137	
1,1,1-Trichloroethane	ug/kg	50	58.0	116	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	57.4	115	74-133	
1,1,2-Trichloroethane	ug/kg	50	59.4	119	79-129	
1,1-Dichloroethane	ug/kg	50	58.0	116	72-139	
1,1-Dichloroethene	ug/kg	50	57.4	115	69-154	
1,1-Dichloropropene	ug/kg	50	57.9	116	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	54.3	109	71-150	
1,2,3-Trichloropropane	ug/kg	50	56.6	113	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	51.8	104	68-150	
1,2,4-Trimethylbenzene	ug/kg	50	61.9	124	70-130	

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QUALITY CONTROL DATA

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

LABORATORY CONTROL SAMPLE: 243966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	50	59.8	120	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	57.9	116	77-136	
1,2-Dichlorobenzene	ug/kg	50	55.4	111	75-141	
1,2-Dichloroethane	ug/kg	50	54.9	110	74-134	
1,2-Dichloropropane	ug/kg	50	61.1	122	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	63.2	126	65-128	
1,3-Dichlorobenzene	ug/kg	50	54.7	109	76-133	
1,3-Dichloropropane	ug/kg	50	57.7	115	79-132	
1,4-Dichlorobenzene	ug/kg	50	64.2	128	75-137	
2,2-Dichloropropane	ug/kg	50	55.8	112	73-137	
2-Butanone (MEK)	ug/kg	100	104	104	61-138	
2-Chlorotoluene	ug/kg	50	54.5	109	73-138	
2-Hexanone	ug/kg	100	109	109	58-159	
4-Chlorotoluene	ug/kg	50	51.8	104	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	102	102	74-139	
Acetone	ug/kg	100	108	108	58-150	
Benzene	ug/kg	50	60.6	121	71-140	
Bromobenzene	ug/kg	50	52.6	105	72-144	
Bromochloromethane	ug/kg	50	54.4	109	78-133	
Bromodichloromethane	ug/kg	50	57.8	116	78-133	
Bromoform	ug/kg	50	58.8	118	74-132	
Bromomethane	ug/kg	50	54.5	109	63-184	
Carbon tetrachloride	ug/kg	50	60.7	121	73-143	
Chlorobenzene	ug/kg	50	54.7	109	77-137	
Chloroethane	ug/kg	50	57.5	115	68-146	
Chloroform	ug/kg	50	56.0	112	75-137	
Chloromethane	ug/kg	50	46.5	93	54-143	
cis-1,2-Dichloroethene	ug/kg	50	58.0	116	71-143	
cis-1,3-Dichloropropene	ug/kg	50	59.5	119	76-133	
Dibromochloromethane	ug/kg	50	55.9	112	77-131	
Dibromomethane	ug/kg	50	58.0	116	63-184	
Dichlorodifluoromethane	ug/kg	50	46.7	93	36-173	
Diisopropyl ether	ug/kg	50	55.4	111	68-144	
Ethylbenzene	ug/kg	50	58.6	117	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	56.8	114	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	60.6	121	77-143	
m&p-Xylene	ug/kg	100	124	124	72-138	
Methyl-tert-butyl ether	ug/kg	50	53.6	107	2-138	
Methylene Chloride	ug/kg	50	45.0	90	69-136	
n-Butylbenzene	ug/kg	50	54.8	110	65-128	
n-Propylbenzene	ug/kg	50	57.2	114	72-139	
Naphthalene	ug/kg	50	61.6	123	61-138	
o-Xylene	ug/kg	50	57.2	114	74-137	
p-Isopropyltoluene	ug/kg	50	60.5	121	66-128	
sec-Butylbenzene	ug/kg	50	56.3	113	72-140	
Styrene	ug/kg	50	61.1	122	76-137	
tert-Butylbenzene	ug/kg	50	58.6	117	68-141	
Tetrachloroethene	ug/kg	50	63.0	126	72-136	

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QUALITY CONTROL DATA

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

LABORATORY CONTROL SAMPLE: 243966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/kg	50	53.8	108	69-139	
trans-1,2-Dichloroethene	ug/kg	50	50.4	101	72-144	
trans-1,3-Dichloropropene	ug/kg	50	58.2	116	73-135	
Trichloroethene	ug/kg	50	59.9	120	75-136	
Trichlorofluoromethane	ug/kg	50	51.3	103	69-144	
Vinyl acetate	ug/kg	100	63.2	63	50-150	
Vinyl chloride	ug/kg	50	52.0	104	61-145	
1,2-Dichloroethane-d4 (S)	%			89	69-121	
4-Bromofluorobenzene (S)	%			99	74-115	
Dibromofluoromethane (S)	%			89	79-116	
Toluene-d8 (S)	%			99	88-110	

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QUALIFIERS

Project: 09-500 CTF SOIL BORINGS 7940
Pace Project No.: 9238344

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

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

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
IR	The internal standard recovery associated with this result exceeds the upper control limit. The reported result should be considered an estimated value.
S0	Surrogate recovery outside laboratory control limits.

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Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:

Company:	ADVENT ENVIRONMENTAL
Address:	498 Wando Park Blvd
	Mount Pleasant, SC 29464
Email To:	jwweeg@adventenv.com
Phone:	(843) 388-1851 Fax:
Requested Due Date/TAT:	10 Day (Default)

Section B
Required Project Information:

Report To:	James Weeg
Copy To:	
Purchase Order No.	09-500
Client Project ID:	09-500 CTF Soil Borings
Container Order Number:	7940

Section C
Invoice Information:

Attention:	Accounts Payable
Company Name:	Advent Environmental
Address:	498 Wando Park Blvd., Mount Pleasant,
Pace Quote Reference:	
Pace Project Manager:	McKee, Bonnie
Pace Profile #:	

Regulatory Agency
RCRA - Resource Conservation and Recovery Act
South Carolina

Requested Analysis Filtered (Y/N)

ITEM#	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analysis Test	Residual Chlorine (Y/N)	92388344
1	CTF SB-1	SL	G			17-Feb	1200		4	X					X	X		X		001
2	CTF SB-2	SL	G			17-Feb	1210		4	X					X	X		X		002
3	CTF SB-3	SL	G			17-Feb	1215		4	X					X	X		X		003
4	CTF SB-4	SL	G			17-Feb	1220		4	X					X	X		X		004
5	CTF SB-5	SL	G			17-Feb	1345		4	X					X	X		X		005
6	CTF SB-6	SL	G			17-Feb	1355		4	X					X	X		X		006
7	CTF SB-7	SL	G			17-Feb	1410		4	X					X	X		X		007
8	CTF SB-8	SL	G			17-Feb	1425		4	X					X	X		X		008
9	CTF SB-9	SL	G			17-Feb	1520		4	X					X	X		X		009
10	CTF SB-10	SL	G			17-Feb	1510		4	X					X	X		X		010
11	CTF SB-11	SL	G			17-Feb	1455		4	X					X	X		X		011
12	CTF SB-12	SL	G			17-Feb	1445		4	X					X	X		X		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
				JMoore	2/19	930	4.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Weeg

SIGNATURE of SAMPLER: DATE Signed: 2/18/2009

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:

Company:	ADVENT ENVIRONMENTAL
Address:	498 Wando Park Blvd
	Mount Pleasant, SC 29464
Email To:	jwweeg@adventenv.com
Phone:	(843) 388-1851 Fax:
Requested Due Date/TAT:	10 Day (Default)

Section B
Required Project Information:

Report To:	James Weeg
Copy To:	
Purchase Order No.	09-500
Client Project ID:	09-500 CTF Soil Borings
Container Order Number:	7940

Section C
Invoice Information:

Attention:	Accounts Payable
Company Name:	Advent Environmental
Address:	498 Wando Park Blvd., Mount Pleasant,
Pace Quote Reference:	
Pace Project Manager:	McKee, Bonnie
Pace Profile #:	

Regulatory Agency: RCRA - Resource Conservation and Recovery Act

State / Location: South Carolina

Requested Analysis Filtered (Y/N)

ITEM#	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test	VOC LL 8260	BTEXN	Residual Chlorine (Y/N)	0238344
1	CTF SB DUP	SL	G			17-Feb	1415		4	X					X	X			X			013
2	CTF TMW 01	WT	C			18-Feb	0900		3				X							X		14
3	CTF TMW 02	WT	C			18-Feb	0930		3				X							X		15
4	CTF TMW 03	WT	C			18-Feb	0955		3				X							X		16
5	CTF TMW 04	WT	C			18-Feb	1025		3				X							X		17
6	CTF TMW 05	WT	C			18-Feb	1215		3				X							X		18
7	CTF TMW 06	WT	C			18-Feb	1200		3				X							X		19
8	CTF TMW 07	WT	C			18-Feb	1115		3				X							X		20
9	CTF TMW 08	WT	C			18-Feb	1250		3				X							X		21
10	CTF TMW 09	WT	C			18-Feb	1240		3				X							X		22
11	CTF TMW 10	WT	C			18-Feb	1250		3				X							X		23
12	CTF TMW 11	WT	C			18-Feb	1220		3				X							X		24

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
				JMoue	2/19	930	4.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JAMES WEEG

SIGNATURE of SAMPLER: DATE Signed: 2/18/2009

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

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:

Company:	ADVENT ENVIRONMENTAL
Address:	498 Wando Park Blvd
	Mount Pleasant, SC 29464
Email To:	jwweeg@adventenv.com
Phone:	(843) 388-1851 Fax:
Requested Due Date/TAT:	10 Day (Default)

Section B
Required Project Information:

Report To:	James Weeg
Copy To:	
Purchase Order No.	09-500
Client Project ID:	09-500 CTF Soil Borings
Container Order Number:	7940

Section C
Invoice Information:

Attention:	Accounts Payable
Company Name:	Advent Environmental
Address:	498 Wando Park Blvd., Mount Pleasant,
Pace Quote Reference:	
Pace Project Manager:	McKee, Bonnie
Pace Profile #:	

Regulatory Agency
RCRA - Resource Conservation and Recovery Act

State / Location
South Carolina

Requested Analysis Filtered (Y/N)

ITEM#	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test	VOC LL 8260	BTEXN	Residual Chlorine (Y/N)	92383 14
1	CTF TMW 12	WT	C			18-Feb	1205		3				X							X		35
2	CTF TMW DUP	WT	C			18-Feb	1250		3				X							X		36
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
				Jmore	2/19	930	4.8 L1 N4

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JAMES WEEG

SIGNATURE of SAMPLER: DATE Signed: 2/18/2009

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

Sample Condition Upon Receipt

Pace Analytical

Client Name: Pelvant Project # 92383344

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☑ yes ☐ no

Optional	
Proj. Due Date:	N/A
Proj. Name:	N/A

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

Thermometer Used T060 Type of Ice: Wet Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 4.8 Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: NM 2/18

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☐Yes ☑No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:_____		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): N/A		

Client Notification/ Resolution: Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: BKM Date: 2-19-08

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

FedEx Express US Airbill

FedEx Tracking Number 8686 5982 0169

Form ID No. 0200

Sender's Copy

1 From Please print and press hard.

Date 2/17/09 Sender's FedEx Account Number 2787858 8-2

Sender's Name James Weeg Phone (843) 388-1851

Company Advent Env. Inc.

Address 498 Wando Park Blvd. Dept./Floor/Suite/Room 500

City Mt. Pleasant State SC ZIP 29464

2 Your Internal Billing Reference
First 24 characters will appear on invoice.

3 To

Recipient's Name Phone (704) 875-9092

Company Pace Analytical

Recipient's Address 9800 Kinsey Ave. Dept./Floor/Suite/Room 100
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address
To request a package be held at a specific FedEx location, print FedEx address here.

City Huntersville State NC ZIP 28078

Store your addresses at fedex.com
Simplify your shipping. Manage your account. Access all the tools you need.

4a Express Package Service — *Packages up to 150 lbs.*

- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service — *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation:

** To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

6 Special Handling

- [ ] **SATURDAY Delivery** — NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] **HOLD Weekday at FedEx Location** — NOT Available for FedEx First Overnight. (Include FedEx address in Section 3.)
- [ ] **HOLD Saturday at FedEx Location** — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations. (Include FedEx address in Section 3.)

Does this shipment contain dangerous goods? (One box must be checked.)

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Enter FedEx Acct. No. or Credit Card No. below.

FedEx Acct. No. / Credit Card No. 2787858 8-2 Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	22	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

520

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FedEx
5056 INTERNATIONAL BLVD
CHARLESTON, SC 29418

Location: CHSA
Device ID: CHSA-POS2
Employee: 9424
Transaction: 690316 1717

STANDARD OVERNIGHT
8686598 20169 21.05 lb (S)

Shipment subtotal:
Total Due:
FedEx Account: ****5882

M = Weight entered manually
S = Weight read from scale
T = Taxable item

Subject to additional charges. See FedEx Service Guide at fedex.com for details. All merchandise sales final.

Visit us at: fedex.com
Or call 1.800.GoFedEx
1.800.463.3339

February 17, 2009 4:04:49 PM

FedEx Express US Airbill

FedEx Tracking Number 8686 5982 2210

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 2/19/09 Sender's FedEx Account Number 278785882

Sender's Name James Weeg Phone (843) 388-1851

Company Advent Env., Inc.

Address 498 Wando Park Blvd Dept./Floor/Suite/Room 500

City Mt. Pleasant State SC ZIP 29464

2 Your Internal Billing Reference First 24 characters will appear on invoice. 09-500

3 To Recipient's Name Phone (704) 875-1092

Company Pace Analytical Services

Recipient's Address 9800 Kincey Ave. Dept./Floor/Suite/Room 100

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City Huntersville State NC ZIP 28078

Schedule a pickup at fedex.com
Simplify your shipping. Manage your account. Access all the tools you need.

4a Express Package Service *Packages up to 150 lbs.*

- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
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FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation:

** To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500

6 Special Handling Include FedEx address in Section 3.

- [ ] **SATURDAY Delivery** — NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] **HOLD Weekday** at FedEx Location — NOT Available for FedEx First Overnight.
- [ ] **HOLD Saturday** at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. Credit Card No. 278785882 Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	20	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

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APPENDIX C

D H E C
PROMOTE PROTECT PROSPER
C. Earl Hunter, Commissioner
Promoting and protecting the health of the public and the environment.

February 9, 2009

Kathryn Stewart, P.E.
BRAC PMO SE
4130 Faber Place Drive, Suite 202
N. Charleston, SC 29405

Re: CNB – Chicora Tank Farm
Site Identification # 13350
Assessment Plan received February 9, 2009
Charleston County

Dear Ms. Stewart:

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request submitted by Advent. The original temporary monitoring well approval has been sent to Advent and a copy is enclosed for your records. The analytical results from the groundwater samples should be submitted to my attention within thirty days (30) of receipt from the laboratory or on or before March 28, 2009. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.

- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).

Furthermore, as Department has a spill/incident report of a release from the pipeline associated with Chicora Tank farm the Department requests that the full length of the pipe line be assessed to determine if one or more releases have occurred. According to our reports submitted to the Department the pipeline runs along 15th Street, which now may be known as Redwood St. If you have any questions, please contact me at (803) 896-4179.

Sincerely,

Jan T. Cooke

Jan T. Cooke, Hydrogeologist
AST Petroleum Restoration & Site Environmental Investigations Section
Land Revitalization Division
Bureau of Land and Waste Management

enc: Monitor well approval
cc: Region 7
James Weeg; Advent (via pdf)
Meredith Amick, BL&WM (via pdf)
C. Anthony Rhodes; PO Box 70902 North Charleston, SC 29415

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Temporary Monitoring Well Approval

Approval is hereby granted to: Advent
Facility: Chicora Tank Farm
Site ID # **13350**
Charleston County

This approval is for the installation of twelve temporary groundwater-monitoring wells. The temporary monitoring wells are to be installed in the locations as illustrated on Figure #1 and per the proposed construction details provided in the February 9, 2009 correspondence. The monitoring wells are to be installed following all of the applicable requirements of R.61-71.

Please note that R.61-71 requires the following:

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.

2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless another schedule has been approved by the Department. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f

3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.

4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.

5. If any of the information provided to the Department changes, the project manager, Jan Cooke (803-898-4248) shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

Date of Issuance: February 9, 2009 **Approval #: 3535**

Jan T. Cooke

Jan T. Cooke, Hydrogeologist
AST Petroleum Restoration & Site Environmental Investigations Section
Land Revitalization Division
Bureau of Land and Waste Management

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

TMW-1

1. WELL OWNER INFORMATION:
Name: **BRAC Program Management Office Southeast** (last) (first)
Address: **4130 Faber Place Drive, Suite 202**
City: **North Charleston** State: **SC** Zip: **29405**
attn: Kathy Stewart
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: **Charleston**
Name: **Chicora Tank Farm**
Street Address: **0 Carner Ave.**
City: **North Charleston** Zip: **29405**
Latitude: **N 32 51' 00"** Longitude: **W 79 57' 98"**

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from **0** ft. to **15** ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Boring abandoned following sample collection		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: **2-17-09**
15 ft. Date Completed: **2-18-09**

10. CASING: ☒ Threaded ☐ Welded
Diam.: **1 inch**
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 ft in. to **10** ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: **PVC** Diam.: **1 inch**
Slot/Gauge: **0.010** Length: **5 ft**
Set Between: **10** ft. and **15** ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from **8** ft. to **15** ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From **0** ft. to **15** ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: **Terry White**
Address: (Print) **P O Box 1369**
Concord, NC 28026
CERT. NO.:
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: **704.933.5538** Fax No.: **704.933.5539**

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Terry R. White Jr. Date: **2/20/09**
Well Driller

If D Level Driller, provide supervising driller's name:
Arlen Burney 1415B

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

TMW-2

1. WELL OWNER INFORMATION:
Name: **BRAC Program Management Office Southeast** (last) (first)
Address: **4130 Faber Place Drive, Suite 202**
City: **North Charleston** State: **SC** Zip: **29405**
attn: Kathy Stewart
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: **Charleston**
Name: **Chicora Tank Farm**
Street Address: **0 Carner Ave.**
City: **North Charleston** Zip: **29405**
Latitude: **N 32 51' 00"** Longitude: **W 79 57' 98"**

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from **0** ft. to **15** ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Boring abandoned following sample collection		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) **15** ft. Date Started: **2-17-09** Date Completed: **2-18-09**

10. CASING: ☒ Threaded ☐ Welded
Diam.: **1 inch**
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 ft in. to **10** ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: **PVC** Diam.: **1 inch**
Slot/Gauge: **0.010** Length: **5 ft**
Set Between: **10** ft. and **15** ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from **8** ft. to **15** ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From **0** ft. to **15** ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: **Terry White**
Address: (Print) **P O Box 1369**
Concord, NC 28026
CERT. NO.:
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: **704.933.5538** Fax No.: **704.933.5539**

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Terry R. White Jr. Date: **2/20/09**
Well Driller

If D Level Driller, provide supervising driller's name:
Arlen Burney 1415B

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

TMW-3

1. WELL OWNER INFORMATION:
Name: BRAC Program Management Office Southeast (last) (first)
Address: 4130 Faber Place Drive, Suite 202
City: North Charleston State: SC Zip: 29405
attn: Kathy Stewart
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Charleston
Name: Chicora Tank Farm
Street Address: 0 Carner Ave.
City: North Charleston Zip: 29405
Latitude: N 32 51' 00" Longitude: W 79 57' 98"

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from 0 ft. to 15 ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Boring abandoned following sample collection		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 2-17-09
15 ft. Date Completed: 2-18-09

10. CASING: ☒ Threaded ☐ Welded
Diam.: 1 inch
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 ft in. to 10 ft. depth
in. to ft. depth
Height: Above ☐ Below ☐
Surface ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 1 inch
Slot/Gauge: 0.010 Length: 5 ft
Set Between: 10 ft. and 15 ft.
ft. and ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield:

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from 8 ft. to 15 ft.
Effective size Uniformity Coefficient

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other
Depth: From 0 ft. to 15 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
Type
Well Disinfected ☐ Yes ☐ No Type: Amount:

18. PUMP: Date installed: Not installed ☐
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Terry White
Address: (Print) P O Box 1369
Concord, NC 28026
CERT. NO.:
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 704.933.5538 Fax No.: 704.933.5539

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Terry R. White Jr. Date: 2/20/09
Well Driller

If D Level Driller, provide supervising driller's name:
Arlen Burney 1415B

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

TMW-4

1. WELL OWNER INFORMATION:
Name: **BRAC Program Management Office Southeast** (last) (first)
Address: **4130 Faber Place Drive, Suite 202**
City: **North Charleston** State: **SC** Zip: **29405**
attn: Kathy Stewart
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: **Charleston**
Name: **Chicora Tank Farm**
Street Address: **0 Carner Ave.**
City: **North Charleston** Zip: **29405**
Latitude: **N 32 51' 00"** Longitude: **W 79 57' 98"**

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from **0** ft. to **15** ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Boring abandoned following sample collection		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) **15** ft. Date Started: **2-17-09** Date Completed: **2-18-09**

10. CASING: ☒ Threaded ☐ Welded
Diam.: **1 inch**
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 ft in. to **10** ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: **PVC** Diam.: **1 inch**
Slot/Gauge: **0.010** Length: **5 ft**
Set Between: **10** ft. and **15** ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from **8** ft. to **15** ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From **0** ft. to **15** ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: **Terry White**
Address: (Print) **P O Box 1369**
Concord, NC 28026
CERT. NO.:
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: **704.933.5538** Fax No.: **704.933.5539**

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Terry R. White Jr. Date: **2/20/09**
Well Driller

If D Level Driller, provide supervising driller's name:
Arlen Burney 1415B

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

TMW-5

1. WELL OWNER INFORMATION:
Name: **BRAC Program Management Office Southeast** (last) (first)
Address: **4130 Faber Place Drive, Suite 202**
City: **North Charleston** State: **SC** Zip: **29405**
attn: Kathy Stewart
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: **Charleston**
Name: **Chicora Tank Farm**
Street Address: **0 Carner Ave.**
City: **North Charleston** Zip: **29405**
Latitude: **N 32 51' 00"** Longitude: **W 79 57' 98"**

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from **0** ft. to **15** ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Boring abandoned following sample collection		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) **15** ft. Date Started: **2-17-09** Date Completed: **2-18-09**

10. CASING: ☒ Threaded ☐ Welded
Diam.: **1 inch**
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 ft in. to **10** ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: **PVC** Diam.: **1 inch**
Slot/Gauge: **0.010** Length: **5 ft**
Set Between: **10** ft. and **15** ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from **8** ft. to **15** ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From **0** ft. to **15** ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: **Terry White**
Address: (Print) **P O Box 1369**
Concord, NC 28026
CERT. NO.:
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: **704.933.5538** Fax No.: **704.933.5539**

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Terry R. White Jr. Date: **2/20/09**
Well Driller

If D Level Driller, provide supervising driller's name:
Arlen Burney 1415B

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

TMW-6

1. WELL OWNER INFORMATION:
Name: **BRAC Program Management Office Southeast** (last) (first)
Address: **4130 Faber Place Drive, Suite 202**
City: **North Charleston** State: **SC** Zip: **29405**
attn: Kathy Stewart
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: **Charleston**
Name: **Chicora Tank Farm**
Street Address: **0 Carner Ave.**
City: **North Charleston** Zip: **29405**
Latitude: **N 32 51' 00"** Longitude: **W 79 57' 98"**

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from **0** ft. to **15** ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Boring abandoned following sample collection		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) **15** ft. Date Started: **2-17-09** Date Completed: **2-18-09**

10. CASING: ☒ Threaded ☐ Welded
Diam.: **1 inch**
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 ft in. to **10** ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: **PVC** Diam.: **1 inch**
Slot/Gauge: **0.010** Length: **5 ft**
Set Between: **10** ft. and **15** ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from **8** ft. to **15** ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From **0** ft. to **15** ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: **Terry White**
Address: (Print) **P O Box 1369**
Concord, NC 28026
CERT. NO.:
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: **704.933.5538** Fax No.: **704.933.5539**

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Terry R. White Jr. Date: **2/20/09**
Well Driller

If D Level Driller, provide supervising driller's name:
Arlen Burney 1415B

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

TMW-7

1. WELL OWNER INFORMATION:
Name: **BRAC Program Management Office Southeast** (last) (first)
Address: **4130 Faber Place Drive, Suite 202**
City: **North Charleston** State: **SC** Zip: **29405**
attn: Kathy Stewart
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: **Charleston**
Name: **Chicora Tank Farm**
Street Address: **0 Carner Ave.**
City: **North Charleston** Zip: **29405**
Latitude: **N 32 51' 00"** Longitude: **W 79 57' 98"**

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from **0** ft. to **15** ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Boring abandoned following sample collection		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) **15** ft. Date Started: **2-17-09** Date Completed: **2-18-09**

10. CASING: ☒ Threaded ☐ Welded
Diam.: **1 inch**
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 ft in. to **10** ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: **PVC** Diam.: **1 inch**
Slot/Gauge: **0.010** Length: **5 ft**
Set Between: **10** ft. and **15** ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from **8** ft. to **15** ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From **0** ft. to **15** ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: **Terry White**
Address: (Print) **P O Box 1369**
Concord, NC 28026
CERT. NO.:
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: **704.933.5538** Fax No.: **704.933.5539**

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Terry R. White Jr. Date: **2/20/09**
Well Driller

If D Level Driller, provide supervising driller's name:
Arlen Burney 1415B

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

TMW-8

1. WELL OWNER INFORMATION:
Name: **BRAC Program Management Office Southeast** (last) (first)
Address: **4130 Faber Place Drive, Suite 202**
City: **North Charleston** State: **SC** Zip: **29405**
attn: Kathy Stewart
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: **Charleston**
Name: **Chicora Tank Farm**
Street Address: **0 Carner Ave.**
City: **North Charleston** Zip: **29405**
Latitude: **N 32 51' 00"** Longitude: **W 79 57' 98"**

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from **0** ft. to **15** ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Boring abandoned following sample collection		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) **15** ft. Date Started: **2-17-09** Date Completed: **2-18-09**

10. CASING: ☒ Threaded ☐ Welded
Diam.: **1 inch**
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 ft in. to **10** ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: **PVC** Diam.: **1 inch**
Slot/Gauge: **0.010** Length: **5 ft**
Set Between: **10** ft. and **15** ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from **8** ft. to **15** ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From **0** ft. to **15** ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: **Terry White**
Address: (Print) **P O Box 1369**
Concord, NC 28026
CERT. NO.:
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: **704.933.5538** Fax No.: **704.933.5539**

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Terry R. White Jr. Date: **2/20/09**
Well Driller

If D Level Driller, provide supervising driller's name:
Arlen Burney 1415B

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

TMW-9

1. WELL OWNER INFORMATION:
Name: **BRAC Program Management Office Southeast** (last) (first)
Address: **4130 Faber Place Drive, Suite 202**
City: **North Charleston** State: **SC** Zip: **29405**
attn: Kathy Stewart
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: **Charleston**
Name: **Chicora Tank Farm**
Street Address: **0 Carner Ave.**
City: **North Charleston** Zip: **29405**
Latitude: **N 32 51' 00"** Longitude: **W 79 57' 98"**

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from **0** ft. to **15** ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Boring abandoned following sample collection		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) **15** ft. Date Started: **2-17-09** Date Completed: **2-18-09**

10. CASING: ☒ Threaded ☐ Welded
Diam.: **1 inch**
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 ft in. to **10** ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: **PVC** Diam.: **1 inch**
Slot/Gauge: **0.010** Length: **5 ft**
Set Between: **10** ft. and **15** ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from **8** ft. to **15** ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From **0** ft. to **15** ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: **Terry White**
Address: (Print) **P O Box 1369**
Concord, NC 28026
CERT. NO.:
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: **704.933.5538** Fax No.: **704.933.5539**

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Terry R. White Jr. Date: **2/20/09**
Well Driller

If D Level Driller, provide supervising driller's name:
Arlen Burney 1415B

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

TMW-10

1. WELL OWNER INFORMATION:
Name: **BRAC Program Management Office Southeast** (last) (first)
Address: **4130 Faber Place Drive, Suite 202**
City: **North Charleston** State: **SC** Zip: **29405**
attn: Kathy Stewart
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: **Charleston**
Name: **Chicora Tank Farm**
Street Address: **0 Carner Ave.**
City: **North Charleston** Zip: **29405**
Latitude: **N 32 51' 00"** Longitude: **W 79 57' 98"**

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from **0** ft. to **15** ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Boring abandoned following sample collection		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: **2-17-09**
15 ft. Date Completed: **2-18-09**

10. CASING: ☒ Threaded ☐ Welded
Diam.: **1 inch**
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 ft in. to **10** ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: **PVC** Diam.: **1 inch**
Slot/Gauge: **0.010** Length: **5 ft**
Set Between: **10** ft. and **15** ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from **8** ft. to **15** ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From **0** ft. to **15** ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: **Terry White**
Address: (Print) **P O Box 1369**
Concord, NC 28026
CERT. NO.:
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: **704.933.5538** Fax No.: **704.933.5539**

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Terry R. White Jr. Date: **2/20/09**
Well Driller

If D Level Driller, provide supervising driller's name:
Arlen Burney 1415B

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

TMW-11

1. WELL OWNER INFORMATION:
Name: **BRAC Program Management Office Southeast** (last) (first)
Address: **4130 Faber Place Drive, Suite 202**
City: **North Charleston** State: **SC** Zip: **29405**
attn: Kathy Stewart
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: **Charleston**
Name: **Chicora Tank Farm**
Street Address: **0 Carner Ave.**
City: **North Charleston** Zip: **29405**
Latitude: **N 32 51' 00"** Longitude: **W 79 57' 98"**

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from **0** ft. to **15** ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Boring abandoned following sample collection		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) **15** ft. Date Started: **2-17-09** Date Completed: **2-18-09**

10. CASING: ☒ Threaded ☐ Welded
Diam.: **1 inch**
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 ft in. to **10** ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: **PVC** Diam.: **1 inch**
Slot/Gauge: **0.010** Length: **5 ft**
Set Between: **10** ft. and **15** ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from **8** ft. to **15** ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From **0** ft. to **15** ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: **Terry White**
Address: (Print) **P O Box 1369**
Concord, NC 28026
CERT. NO.:
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: **704.933.5538** Fax No.: **704.933.5539**

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Terry R. White Jr. Date: **2/20/09**
Well Driller

If D Level Driller, provide supervising driller's name:
Arlen Burney 1415B

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

TMW-12

1. WELL OWNER INFORMATION:
Name: **BRAC Program Management Office Southeast** (last) (first)
Address: **4130 Faber Place Drive, Suite 202**
City: **North Charleston** State: **SC** Zip: **29405**
attn: Kathy Stewart
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: **Charleston**
Name: **Chicora Tank Farm**
Street Address: **0 Carner Ave.**
City: **North Charleston** Zip: **29405**
Latitude: **N 32 51' 00"** Longitude: **W 79 57' 98"**

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from **0** ft. to **15** ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Boring abandoned following sample collection		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) **15** ft. Date Started: **2-17-09** Date Completed: **2-18-09**

10. CASING: ☒ Threaded ☐ Welded
Diam.: **1 inch**
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
0 ft in. to **10** ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: **PVC** Diam.: **1 inch**
Slot/Gauge: **0.010** Length: **5 ft**
Set Between: **10** ft. and **15** ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☒ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No
Installed from **8** ft. to **15** ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____
Depth: From **0** ft. to **15** ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: **Terry White**
Address: (Print) **P O Box 1369**
Concord, NC 28026
CERT. NO.:
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: **704.933.5538** Fax No.: **704.933.5539**

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Terry R. White Jr. Date: **2/20/09**
Well Driller

If D Level Driller, provide supervising driller's name:
Arlen Burney 1415B