SECOND SEMI-ANNUAL VRP PROGRESS REPORT
FOR THE
THOMASVILLE NATIONAL BANK (FORMER ROSE CITY CLEANERS) PROPERTY
THOMASVILLE, THOMAS COUNTY, GEORGIA
HSI# 10902

PROJECT NUMBER 3151

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ACRONYMS

AES	Analytical Environmental Services, Inc.
AFCEE	Air Force Center for Environmental Excellence
APLS	Aqueous Phase Liquids
Applicant	Thomasville National Bank (TNB)
bgs	Below Ground Surface
bls	Below Land Surface
CAP	Corrective Action Plan
cis-1,2-DCE	cis-1,2-Dichloroethene
CSR	Compliance Status Report
COCs	Constituents of Concern
COPC	Constituent of Potential Concern
CSM	Conceptual Site Model
EMNA	Enhanced Monitored Natural Attenuation
Georgia EPD	Georgia Environmental Protection Division
GHWMA	Georgia Hazardous Waste Management Act
HRC	Hydrogen Releasing Compound
HSI	Hazardous Site Inventory
HSRA	Hazardous Site Response Act
HSRP	Hazardous Site Response Program
HWMA	Hazardous Waste Management Act
IRIS	Integrated Risk Information System
ISCO	In-situ Chemical Oxidation
MCL	Maximum Contaminant Levels
µg/L	Micrograms per Liter (same as ppb)
mg/Kg	Milligrams per Kilogram (same as ppm)
mg/L	Milligrams per Liter (same as ppm)
NAPLS	Non-Aqueous Phase Liquids
NC	Notification Concentration
Peachtree	Peachtree Environmental
PCE	Tetrachloroethene
POD	Point of Demonstration
ppb	Parts per Billion
ppm	Parts per Million
PRE	Preliminary Risk Evaluation
Property	Thomasville National Bank
RAGS	Risk Assessment Guidance for Superfund
RBCA	Risk Based Corrective Action
REC	Recognized Environmental Conditions
RN	Release Notification
RQSM	Reportable Quantities Screening Method
RRS	Risk Reduction Standard
SVE	Soil Vapor Extraction
SVOCs	Semi-Volatile Organic Compounds
TCLP	Toxicity Characteristic Leaching Procedure
TCE	Trichloroethene
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
VIRP	Voluntary Investigation and Remediation Plan
VRP	Voluntary Remediation Program
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION AND BACKGROUND

1.1 INTRODUCTION

PEACHTREE ENVIRONMENTAL (Peachtree) is submitting this Voluntary Investigation and Remediation Plan (VIRP) Semi-Annual Progress Report on behalf of **THOMASVILLE NATIONAL BANK** (TNB), for the Thomasville National Bank (former Rose City Cleaners) property located at 301 North Broad Street, in Thomasville, Thomas County, Georgia (the "VRP Property"); HSI #10902 (the "Site"). The report serves as the second (2nd) VIRP Semi-annual Progress Report and details activities conducted since acceptance into the Voluntary Remediation Program (VRP) in February 2013, in particular the activities since the 1st Semi-annual Progress Report submitted in August.

1.2 VRP PROPERTY DESCRIPTION

The VRP Property consists of two (2) parcels of land totaling approximately 1.52 acres, which are more fully described as follows:

- 301 North Broad Street - Parcel ID: 005 006004 (1.0 Acres); and
- 325 North Broad Street - Parcel ID: 005 006003 (0.52 Acres).

The VRP Property has a latitude coordinate of 30° 50' 21.63" North and a longitude coordinate of 83° 58' 56.80" West. A VRP Property Location / USGS Topographic Map is included as **Figure 1**.

The VRP Property is currently developed and utilized as a bank (301 North Broad Street) consisting of walk-up and drive through teller service outlets and administrative offices for TNB and TNB Financial Services (325 North Broad Street). Previously, from the 1970s to 1990s, the Site was developed with an automotive service station and a pick-up/drop off dry cleaner named Rose City Cleaners. The Site is bordered by:

- North - Broad Street with commercial establishments beyond;
- East - Washington Street and a City of Thomasville government complex beyond;
- South - North Madison Street with commercial and governmental complexes; and
- West - Undeveloped and commercial properties to the West.

A VRP Property Layout Map is provided as **Figure 2**.

1.3 PROPERTY BACKGROUND

Detailed below are annotated descriptions of the findings of past investigations and regulatory correspondence, which were developed as part of the previous assessments, conducted for the VRP Property.

1.3.1 Historic Property Operations

The VRP Property reportedly operated as a gasoline service station and dry cleaner from the 1970's to the 1990's. The former Underground Storage Tank (UST) system owner, Mr. Carlos Gay, had a reported a release of regulated fuel constituents on May 4, 1995. Corrective action measures were implemented by the former property owner, which included the removal of two (2) 6,000-gallon and one (1) 4,000-gallon capacity gasoline USTs from a single tank pit. Subsequently, approximately 370 cubic yards of impacted soils were removed from the UST pit and sent for off-site disposal. At a later date, two additional USTs were reportedly removed from a second UST pit on the Property. The size and contents of these latter USTs are unknown.

The UST release was addressed through the Georgia Underground Storage Tank Management Program (USTMP) branch of the Environmental Protection Division (EPD). The USTMP issued a regulatory status of “No Further Action” for the UST release on May 31, 2001.

1.3.2 Initial HSRA Release Notification

A Hazardous Site Response Act (HSRA) Release Notification (RN) was filed with the Georgia EPD by Huber Engineering Company, Inc. (Huber) on behalf of Thomas County for the then-proposed Thomas County Courthouse facility property located south of the TNB facility. The RN, dated April 8, 2008, was prepared based on the identification of various Volatile Organic Compounds (VOCs) and Lead detected in groundwater samples on the proposed courthouse property.

Based on its review of the initial RN for the proposed courthouse property and subsequent information provided by Huber on June 27, 2008, the Georgia EPD issued TNB a letter dated January 16, 2009 requesting that they file a separate RN. TNB provided a RN for the TNB property dated February 16, 2009. Based on its review of the RN provided by TNB, the Georgia EPD requested in a letter dated May 11, 2009 that TNB prepare and submit a revised RN to include soil and groundwater analytical testing data for volatile organic compounds.

In August 2009, Peachtree was retained by TNB to conduct a subsurface investigation at the VRP Property to assess the previous location of the service station and dry cleaner. Five (5) soil borings/Type 2 groundwater monitoring wells were installed at the four corners and center of the VRP Property. Soil samples were collected from each of the borings at depths ranging from ground surface to 20 feet below ground surface (ft-bgs) and field screened for volatile organic vapors utilizing a photoionization detector (PID). Soil sample intervals to be submitted for laboratory analysis were determined based on the PID readings. As such, a total of five (5) soil samples were submitted for laboratory analysis. Likewise, a groundwater sample was collected from each of five (5) Type 2 wells. Each of the soil and groundwater samples was submitted for analysis of VOCs via EPA Method 8260B.

The VOCs detected in soil were compared to their respective HSRA NCs and none of the detected VOCs exceeded their respective NCs. The VOC detected in groundwater were compared to EPA Maximum Contaminant Levels (MCLs) for drinking water. Seven (7) of the twelve (12) compounds detected exceeded their respective MCLs. Results of the August 2009 investigation were utilized to prepare and submit a revised RN for the TNB property. The revised RN was submitted on October 2, 2009.

1.3.3 Listing on the Georgia Hazardous Site Inventory

Based on its review of the TNB revised RN, the Georgia EPD issued a letter dated November 10, 2009 to TNB indicating that is was placing the TNB property on the State Hazardous Site Inventory (HSI) as HSI #10902 based on the identification of various volatile organic constituents in soil and groundwater. The Georgia EPD also issued a letter dated November 9, 2009 to the Thomas County Board of Commissioners indicating that the proposed Thomas County Courthouse property was being sub-listed on the HSI as part of the TNB property listing.

1.3.4 Compliance Status Report and Corrective Action Plan

On March 25, 2011, the Georgia EPD issued a letter requesting that a Compliance Status Report (CSR) and compliance certification statement be prepared and submitted for the Site by September 26, 2011 in accordance with Section 391-3-19-.06(3)(a) and 391-3-19-.07 of the Rules. The letter also stated that in lieu of the submittal of a CSR, that a Corrective Action Plan (CAP) could be submitted by the September 26, 2011 submittal deadline. Smith, Gambrell & Russell (SGR), on behalf of TNB, responded in a letter dated May 18, 2011 stating that TNB elected to submit a CAP by the September 26, 2011 deadline.

Peachtree implemented field activities associated with the CAP activities during the time period of August 31 to September 2, 2011. Field activities included: the installation and sampling of a total of six (6) soil borings (SB-6 to SB11) to augment soils data collected as part of the 2009 RN activities; sampling of monitoring wells MW-1 to MW-5 as indication of changes in groundwater conditions from the initial installation / sampling in 2009 to the CSR / CAP evaluation activities in 2011; aquifer slug testing; and collection of Monitored Natural Attenuation (MNA) parameter data.

The results of the 2011 field activities were utilized to prepare a CSR / CAP report, which was submitted to the Georgia EPD on September 26, 2011. The report provided a Compliance Certification that soils met the regulatory criteria for Type 1/3 Residential Risk Reduction Standards (RRS) for soils. In addition, the report provided a corrective action strategy of a 2-year MNA demonstration for addressing groundwater impacts. Georgia EPD approved the MNA approach in a comment letter dated November 1, 2012.

1.3.5 Horizontal Delineation Activities – June 2012

Peachtree implemented groundwater horizontal delineation field activities on June 27, 2012. Field activities included: the installation and sampling of three (3) monitoring wells (MW-6, MW-7, and MW-8) in an attempt to horizontally delineate groundwater impacts at the VRP Property; sampling of monitoring wells MW-1 to MW-5; and collection of Monitored Natural Attenuation (MNA) parameter data.

1.3.6 Voluntary Remediation Program Application and Approval

In December 2012, a VIRP and VRP application were submitted for the Site utilizing data collected in August 2009, September 2011, and June 2012. The VIRP and VRP application were submitted in place of the Annual Groundwater Monitoring Report, outlined in the 2011 CAP schedule. Georgia EPD approved the VRP Application in February 2013. Since the approval of the VRP Application, Peachtree conducted a semi-annual sampling event in June 2013 of which the results are detailed herein.

1.3.7 February 1, 2013 Voluntary Investigation and Remediation Plan Comment Letter and 1st Semiannual VRP Progress Report

In addition to the approval of the TNB Property's VIRP and VRP application, Georgia EPD issued a VIRP comment letter, dated February 1, 2013. Peachtree provided responses to VIRP comments along with the 1st Semiannual VRP Progress Report, dated August 1, 2013.

1.3.8 November 19, 2013 Voluntary Investigation and Remediation Plan Comment Letter

Based on its review of the 1st Semiannual VRP Progress Report, Georgia EPD issued a VIRP comment letter, dated November 19, 2013. Peachtree has provided responses to VIRP comments in the attached cover letter.

1.3.9 Supplemental Soil Investigation and Horizontal Groundwater Delineation Activities – November 2013

In November 2013, Peachtree implemented additional horizontal groundwater delineation activities and supplemental soil sampling in suspected source locations, as proposed and outlined in the 1st Semiannual VRP Progress Report. Field activities included: the collection of ten (10) soil samples from eight (8) soil borings installed at suspected source locations at the VRP Property, the installation and sampling of five (5) monitoring wells (MW-9, MW-10, MW-11, MW-12, and MW-13) in an attempt to horizontally delineate groundwater impacts at the VRP Property; sampling of existing monitoring wells MW-1 to MW-8; aquifer slug testing; and collection of Monitored Natural Attenuation (MNA) parameter data. Additional detail regarding Peachtree's November 2013 field activities and results are provided within this 2nd Semiannual VRP Progress Report.

2.0 PRELIMINARY CONCEPTUAL SITE MODEL

A Preliminary 3-D conceptual site model (CSM) has been developed for the VRP Property. The CSM will be utilized to:

- Integrate technical data from various sources;
- Support the selection of sample locations;
- Identify data gaps/needs; and
- Evaluate risks to human health and the environment.

The following provides a description of the various factors (surface / sub-surface setting, regulated substances, known or suspected source areas, contaminant migration pathways, and soil and groundwater impacts) considered during the development of the CSM.

2.1 SURFACE AND SUB-SURFACE SETTING

2.1.1 Surface Setting

The surface setting at the VRP Property consists of one single-story building and one two-story building, both constructed of wood and brick situated on a concrete slab. The parking lot and driveway associated with the VRP Property is constructed of asphalt. Grass/landscaped areas are present to the northeast of the bank building. The property is designated for commercial-retail use.

2.1.2 Subsurface Setting

Thomas County, Georgia is located in the Coastal Plain Physiographic Province of Georgia. The Coastal Plain extends south from the Fall Line, a line traversing across Georgia from Augusta to Macon and west to Columbus. This line is the intersection of the Piedmont providence and historically was a Mesozoic shoreline still marked by a line of sand hills. Most of this area is characterized by broad, flat to level plains underlain by a variety of limestone, minor dolomite, phosphatic sand, marl, clay Fuller's earth, gravel, sand, clay, and sandy clay. The rocks exposed in the Coastal Plain range from Late Cretaceous to Recent age and consist of alternating layers of sand, clay, and limestone. These sedimentary rocks of the Coastal Plain crop out at progressively younger ages from the Fall Line seaward. The Coastal Plain sediments gently dip to the south and southeast, and thicken in the down dip direction forming wedge-shape strata. The elevations in the Coastal Plain range from approximately 750 feet above mean sea level to sea level on the Atlantic Coast.

According to the Geologic Map of Georgia, Thomas County and the City of Thomasville are located in a geologic formation called the Miccosukee Formation. This geologic unit is comprised of Neogene age Coastal Plain sedimentary rock. The primary rock type is clay or mud with sand and gravel secondary components.

Topographic and geologic information regarding the VRP Property has been obtained from past assessments. Topography of the surrounding area slopes slightly towards the southeast, while the nearest surface water body, an unnamed tributary to Oguina Creek, is located approximately 1,400 feet west-southwest of the VRP Property.

The VRP Property geology was evaluated during the installation of direct-push soil borings and groundwater monitoring wells as part of Peachtree's August 2009, September 2011, June 2012, and November 2013 assessment activities. Soils beneath the VRP Property consist primarily of orange silty clays to clayey silts and white Kaolin-like clays and fine sands to depths of at least 20 feet. The principal water-bearing portion of the shallow aquifer is comprised of a fine to very fine, well sorted sand. Groundwater occurs under water table (unconfined) conditions within the shallow aquifer with depths to groundwater as measured from the surveyed top of well casings ranging between 3.57 to 26.03 feet BLS in November 2013. Groundwater elevations collected August 2009, September 2011, June 2012, June 2013, and November 2013 are summarized on **Table 1**. A groundwater table map utilizing groundwater elevation data collected on November 22, 2013 is included as **Figure 3**.

2.2 KNOWN OR SUSPECTED SOURCE AREAS

The limited historic information available at the time of this report indicates that the Site was formerly utilized as a gasoline retail station and dry cleaner from the 1970's to 1990's. The former UST system Owner, Mr. Carlos Gay, had a reported a release of regulated fuel constituents on May 4, 1995. The UST release was addressed through the Georgia Underground Storage Tank Management Program (USTMP) branch of the Environmental Protection Division (EPD). The USTMP issued a regulatory status of "no further action" for the UST release on May 31, 2001. No information is available on the past dry cleaning operations.

VOCs were detected in soil and groundwater at the Site in several locations. To date, the source of dry cleaner constituent impact in undetermined. VOCs detected in soil appear to be the result of past gasoline service station and dry cleaning operations at the VRP Property. The suspected source areas are depicted on **Figure 4**.

2.3 CONTAMINANT MIGRATION PATHWAYS

A preliminary evaluation of the contaminant migration pathway has been completed and includes the following:

- Vertical migration of PCE from beneath the former dry cleaning equipment, through the concrete floor to the soils below;
- Horizontal and vertical migration through soils to the water table;
- Horizontal and vertical migration within the shallow water table, based on hydraulic properties and flow direction;
- Potential vapor intrusion pathway from contaminated groundwater.

A CSM cross-section location map and associated CSM cross-sections A-A', B-B', and C-C' are provided as **Figure 5** and **Figures 6A**, **6B**, and **6C**, respectively. A final evaluation of the contaminant migration pathways and associated updates of the CSM will be performed during the implementation of the Preliminary Remediation Plan and included in the VRP CSR.

2.4 SOIL AND GROUNDWATER IMPACTS

2.4.1 Soil Impacts

Based on the analytical results of Peachtree's August 2009 and September 2011 soil investigation activities, eight (8) regulated substances have been detected above laboratory reporting limits in soil. The August 2009 and September 2011 soil sampling analytical results are summarized in **Table 2** and illustrated on **Figures 7A** and **7B,** respectively.

In November 2013, Peachtree conducted a supplemental soil investigation within suspected source areas at the Property. The November 2013 soil analytical results are summarized in **Table 3**. The soil sample locations and extent of PCE detected in soil during the November 2013 investigation are depicted on **Figure 8**. A complete copy of the August 2009 and September 2011 soil analytical testing results was provided in the September 2011 CAP. A complete copy of the November 2013 soil analytical testing results is provided in **Appendix A**. Procedures and results of the November 2013 soil investigation are provided in Section 3.0.

2.4.2 Groundwater Impacts

Based on the analytical results of Peachtree's August 2009, September 2011, June 2012, and June 2013 groundwater investigation activities, eleven (11) VOCs have been detected above laboratory reporting limits in groundwater. In November 2013, Peachtree conducted horizontal groundwater delineation activities which included the installation of five (5) monitoring wells (MW-9, MW-10, MW-11, MW-12, and MW-13), as depicted on **Figure 9**. The historic groundwater analytical results and groundwater RRS are summarized in **Table 4**. Monitored Natural Attenuation (MNA) field readings and analytical results are summarized in **Table 5**. Copies of the August 2009, September 2011, and June 2012 groundwater analytical results were provided in the September 2011 CAP. A complete copy of the November 2013 groundwater analytical testing results is provided in **Appendix B**. Procedures and results of the November 2013 monitoring well installation activities and semi-annual groundwater sampling event are provided in Section 4.0 and 5.0, respectively.

2.5 REGULATED SUBSTANCES

As previously discussed, Peachtree has conducted soil and groundwater investigations at the VRP Property in August 2009, September 2011, June 2012, June 2013, and November 2013. Based on the soil and groundwater data, the following VOCs were detected above the laboratory MDL:

- Benzene (CAS No. 71432); - Groundwater;
- cis-1,2-Dichloroethene (cis-1,2-DCE - CAS No. 156592); - Groundwater;
- Cyclohexane (cis-1,2-DCE - CAS No. 110827); - Soil/Groundwater;
- Ethylbenzene (CAS No. 100414); - Soil/Groundwater;
- Isopropylbenzene (CAS No. 98828); - Soil/Groundwater;
- Methylcyclohexane (CAS No. 108872 – Not Regulated); - Groundwater;
- Methyl-tert-butyl-ether (CAS No. 1634044 – Not Regulated); - Groundwater;
- Tetrachloroethene (PCE - CAS No.127184); - Soil/Groundwater;
- Toluene (CAS No. 108883); - Soil/Groundwater;
- Trichloroethene (TCE - CAS No. 79016); - Groundwater; and
- Total Xylenes (CAS No. 1330207); - Soil/Groundwater.

2.5.1 Constituents of Concern (COCs) in Soil

Based on a preliminary review of regulated substances detected in soil at the VRP Property, none were detected above their respective Type 1/3 RRS. A table presenting the regulated substances detected in soil and their respective Type 1/3 Risk Reduction Standards is provided below:

TABLE 2.5.1 – TYPE 1/3 SOIL RRS

REGULATED CONSTITUENT	HIGHEST DETECTED CONCENTRATION (SOIL SAMPLE – (DEPTH))	TYPE 1/3 RRS (MG/KG)
Cyclohexane	0.15 mg/Kg (SB-2 (15-20'))	20
Ethylbenzene	1.4 mg/Kg (SB-2 (15-20'))	70
Isopropylbenzene	0.30 mg/Kg (SB-2 (15-20'))	21.88
PCE	0.43 mg/Kg (B-2 (12'))	0.5
Toluene	0.12 mg/Kg (SB-2 (15-20'))	100
Total Xylenes	6.1 mg/Kg (SB-2 (15-20'))	1,000

NOTES: 1) No constituents were detected above Type 1/3 RRS

Though the results of the August 2009 and September 2011 soil investigation indicated no detections above Type 1/3 RRS, Georgia EPD noted in the February 1, 2013 VRP Application comment letter their concern that the soil source had not been adequately investigated. The letter also asked Peachtree to collect soil samples inside the former dry-cleaning building to determine if soil contamination is present and acting as an on-going source for releases of PCE. The former dry cleaning building was demolished prior to the construction of the Thomasville National Bank and no locations of previous machinery or areas where PCE may have been stored are known. It was Peachtree's

concern that randomly drilling borings within the footprint of an operating facility would be intrusive, dangerous, and as previously discussed produce limited results. As such, Peachtree completed soil sampling in locations depicted on **Figure 8** in November 2013. Based on the results, PCE was detected in soil in three (3) of the ten (10) samples collected. As noted in Table 2.5.1 above, PCE was detected at a historically high concentration of 0.43 mg/kg in soil sample B-2-12'.

2.5.2 Constituents of Concern (COCs) in Groundwater

Based on a preliminary review of regulated substances detected in groundwater, Benzene, cis-1,2-DCE, Cyclohexane, Ethylbenzene, Isopropylbenzene, PCE, Toluene, and TCE are considered COCs at the VRP Property as they were detected above their respective MCL or Type 1/3 RRS in groundwater. No other regulated substances were detected above their respective MCL or Type 1/3 RRS in groundwater. A table presenting the regulated substances detected in groundwater and their respective MCL / Type 1/3 RRS is provided below:

TABLE 2.5.2 –TYPE 1/3 GROUNDWATER RRS

REGULATED CONSTITUENT	HIGHEST DETECTED CONCENTRATION (MONITORING WELL - DATE)	MCL / TYPE 1/3 RRS (UG/L)
Benzene	**33 ug/L (MW-6 – 6/27/12)**	**5.0**
cis-1,2-Dichloroethene	**140 ug/L (MW-3 – 9/1/11)**	**70**
Cyclohexane	**190 ug/L (MW-2 – 9/1/11)**	**5**
Ethylbenzene	**1,100 ug/L (MW-2 – 11/20/13)**	**1,000**
Isopropylbenzene	**77 ug/L (MW-2 – 9/1/11)**	**5.0**
PCE	**5,200 ug/L (MW-5 – 11/21/13)**	**5.0**
Toluene	**2,600 ug/L (MW-2 – 11/20/13)**	**1,000**
TCE	**100 ug/L (MW-6 – 6/7/13)**	**5.0**
Total Xylenes	6,000 ug/L (MW-2 – 11/20/13)	10,000

NOTES: 1) **Bolded** constituents exceed MCL / Type 1/3 RRS

Based on the November 2013 analytical results, new high concentrations of Ethylbenzene, PCE, Toluene, and Total Xylenes were detected at the Property. As noted in Table 2.5.2 above, PCE was detected at a concentration of 5,200 ug/L in monitoring well MW-5, while petroleum related VOCs Ethylbenzene, Toluene, and Total Xylenes were detected in monitoring well MW-2. Further discussion of the November 2013 groundwater analytical results is provided in Section 5.0.

3.0 NOVEMBER 2013 SOIL INVESTIGATION ACTIVITIES

Soil samples were collected from the VRP Property on November 21, 2013. The soil sampling efforts were designed to investigate the potential source areas associated with the former dry cleaning operation. Specifically, eight (8) soil borings (B-1 through B-8) were installed around the perimeter of the bank building in former dumpster locations, suspected dumping locations (former back door), and in exterior locations not previously investigated. Each soil boring was installed to a depth of 15 ft-bgs. The soil sample locations and extent of PCE detected in soil during the November 2013 investigation are depicted on **Figure 8**. Soil sample results are discussed further in Section 3.5.

3.1 SOIL SAMPLING METHODOLOGY

Direct push technology (DPT) sampling methods were used to collect the soil samples in order to minimize investigation-derived waste. The method also allowed sampling of discrete intervals with minimal interference from flowing sands and/or cave-ins that sometime occur during augering operations. The method involved pushing a closed, five-foot sampling core barrel equipped with an inner acetate liner to a desired depth, unlocking the core barrel tip, and pushing the core barrel through the sampling interval.

A soil boring log was maintained for each boring installed. Each log contained general Property information and specific information about each boring including: date sampled, sampling method, sampler, sample identification number, sample interval, field-screening results, a lithologic description and comments. Soil boring logs are included in **Appendix C**.

3.2 SAMPLE HANDLING AND PRESERVATION TECHNIQUES

Soil samples were collected, via the DPT rig, in a stainless steel, 5 foot core barrel with a new acetate sleeve insert for each sample collected. The sampling core barrel was decontaminated between each depth interval in order to mitigate any cross contamination of depth intervals. Once at the surface, the acetate liners were removed from the direct push core and cut open to allow for sample collection via Method 5035 utilizing a compatible syringe sampler. Soil samples were then placed in two (2) 40-mL containers preserved with sodium bisulfate, one (1) 40-mL container preserved with methanol, and one (1) 2-oz un-preserved container. Approximately 5 grams of soil sample were placed in each of the 40-mL sample containers. Any additional soil remaining in the core following sample collection was placed in a zip-lock bag and screened with a PID. The soil samples were selected based upon screening the soils with a PID and analyzing the highest measured soil aliquot. The recovered samples were then logged on the respective chain of custody sheet and placed in a sample cooler for hand-delivery to Analytical Environmental Services, Inc., (AES) of Atlanta, Georgia, a National Environmental Laboratory Accreditation Conference (NELAC) certified laboratory. Chain-of-custody documents accompanied each shipment.

3.3 DECONTAMINATION PROCEDURES

All non-disposable sampling equipment was decontaminated before and between each sample by washing with phosphate-free laboratory grade detergent and distilled water, rinsed with distilled water, and rinsed with organic-free deionized water. Equipment transported to a sampling point from the decontamination area was wrapped in aluminum foil. Throughout the sampling and decontamination procedures, new disposable gloves were worn when equipment was handled.

3.4 LABORATORY METHODS

Analyses were performed by AES in accordance with US-EPA Standard Methods. Laboratory samples were submitted for VOCs analysis via Method 8260B. The Quantitation Limit was based on the laboratory's self-determined Practical Quantitation Limit (PQL).

3.5 LABORATORY RESULTS

Laboratory analyses indicated detectable PCE concentrations in excess of the laboratory detection limit in the three (3) following soil samples:

SAMPLE LOCATION & DEPTH (FT-BGS)	PCE CONCENTRATION (MG/KG)
B-2 at a depth of 12 feet	0.43
B-3 at a depth of 7 feet	0.017
B-8 at a depth of 7 feet	0.048

Based on the soil analytical results, PCE was detected above Type 1/3 RRS of 0.5 mg/kg in the soil sample collected at B-2 at a depth of 12 feet (0.43 mg/kg). PCE nor any other VOCs were detected above the laboratory detection limit in the remaining soil samples. The November 2013 soil analytical results are also included in **Table 3**. Soil sample results are depicted on **Figure 8**. The laboratory analytical report associated with the November 2013 soil investigation is provided in **Appendix B**.

4.0 2012-2013 MONITORING WELL INSTALLATION ACTIVITIES

4.1 APPROACH AND RATIONALE

In an effort to complete on-site horizontal groundwater delineation activities at the VRP Property, a total of eight (8) monitoring wells (MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, and MW-13) were installed at the VRP Property in June 2012 and November 2013, in the following sequence and for the following purposes.

Monitoring wells MW-6, MW-7, and MW-8 were installed June 27-28, 2012 during initial horizontal groundwater delineation activities at the VRP Property. Monitoring well MW-6 was installed southwest of MW-5 (or source area) for the purpose of delineating groundwater impacts at the TNB Property boundary. Monitoring well MW-7 was installed the southwest of MW-6 (at the "new" Thomas County Courthouse Property) for the purpose of delineating potential off-site, downgradient groundwater impacts. Monitoring well MW-8 was installed east-southeast of the source area (at the "old" Thomas County Courthouse Property) for the purpose of delineating potential off-site, side-gradient groundwater impacts.

On November 18-21, 2013, Peachtree performed supplemental horizontal groundwater delineation activities via the installation of monitoring wells MW-9, MW-10, MW-11, MW-12, and MW-13. Monitoring wells MW-9 and MW-10 were installed on the "new" Thomas County Courthouse Property to the west-northwest and east-southeast of MW-7, respectively, for the purpose of defining the plume dimensions and delineating groundwater impacts downgradient of the source area. Monitoring well MW-12 was installed within the City of Thomasville right-of-way to the south-southwest of MW-7 for the purpose of delineating groundwater impacts downgradeint of MW-7. Monitoring well MW-11 was installed on the "new" Thomas County Courthouse Property, between the source area and MW-7, for the purpose of further defining the plume dimensions and associated concentrations. Monitoring well MW-13 was installed on a City of Thomasville public parking lot northeast of the source area for the purpose of delineating groundwater impacts up-gradient of the source area. The locations of these monitoring wells are depicted on **Figure 2**.

Peachtree's environmental investigation work (well installation approach, well development procedures, well purging, sample collection, sample containers, preservation materials, decontamination procedures for field equipment/instrumentation) were conducted utilizing the US EPA Region IV Science and Ecosystem Support Division (SESD) Operating Procedures, dated December 2011 and March 2013. Specifically, all field equipment decontamination activities were conducted in accordance with the SESD Operating Procedures for Field Equipment and Decontamination (SESDPROC-205-R2, December 2011; Section 3, as applicable); while sampling activities were conducted in accordance with procedures outlined in SESD Operating Procedures for Groundwater Sampling (SESDPROC-301-R3, March 2013; Sections 3 and 4).

4.2 WELL INSTALLATION AND CONSTRUCTION

Monitoring well MW-6 at the VRP Property was constructed of 1-inch diameter, flush coupled, Schedule 40 PVC. The remaining monitoring wells (MW-7 through MW-13) installed at the VRP Property in June 2012 and November 2013 were constructed of 2-inch diameter, flush coupled, Schedule 40 PVC. The monitoring wells were installed with a screen slot size of 0.010 inches and length of 10 feet. Completion depth of the monitoring wells ranged from approximately 15 ft-bgs at MW-12 to 35 ft-bgs at MW-8.

In each monitoring well, the screened interval was set across the water table to allow for seasonal water level fluctuations. A sand pack was placed extending from the bottom to at least two feet above the screen and was constructed with a minimum 2-foot thick bentonite seal placed above the sand pack. The annular space was filled with a hydrated bentonite to the surface. Each of the 2-inch monitoring wells (MW-7 through MW-13) were fitted with a flush-mounted, bolt-down steel protective cover, while monitoring well MW-6 was installed as a 1-inch piezometer with a removable, steel protective cover. A distinctive marking was placed on the top of each well casing which serves as a benchmark for surveying/water level measuring purposes. The elevation of each monitoring well was surveyed following installation.

Soil borings for monitoring wells MW-7 through MW-13 were advanced utilizing hollow-stem auger drilling methods while MW-6 was advanced utilizing direct push methods. Following installation, monitoring wells were developed by purging with a submersible pump (MW-7 through MW-13) or peristaltic pump (MW-6) until the water was relatively free of suspended solids, and the pH, temperature and conductivity in the water had equilibrated. Water quality parameters of pH, temperature, and conductivity were measured throughout the purging process using a Horiba U-22 Water Quality Monitor; while turbidity measurements were recorded during the purging process using a LaMotte Turbidity Meter. These instruments provided real-time measurements of temperature, pH, specific conductivity and turbidity of the purge water as it was removed from the wells. Monitoring well construction diagrams are included in **Appendix D**.

5.0 NOVEMBER 2013 SEMI-ANNUAL GROUNDWATER MONITORING ACTIVITIES

Peachtree completed semi-annual groundwater monitoring activities at the VRP Property in November 2013. This data has been utilized for the preparation of figures and tables depicting the delineation of COC-impacted groundwater. Water level gauging and groundwater sampling activities were conducted the week of November 18, 2013. The monitoring well locations are depicted on **Figure 2**.

Groundwater monitoring wells were sampled to evaluate the extent and concentration of the existing groundwater plume, as well as groundwater MNA parameters, such that corrective measures could be designed to comply with applicable RRS. Peachtree collected groundwater samples from the eight (8) existing and five (5) newly installed shallow water-bearing zone monitoring wells. Monitoring wells were analyzed for VOCs via EPA Method 8260b. Sample results are discussed further in Sections 5.6 and 5.7.

Measurements of MNA parameters have been conducted in monitoring wells MW-2, MW-3, MW-5, and MW-6 such that a natural attenuation based corrective action approach could be evaluated. In November 2013, Peachtree collected MNA parameters in MW-1 (background well), MW-5 (source area well), MW-7 (downgradient impacted well) and MW-12 (the most-downgradient impacted well). In addition, aquifer slug testing was performed in monitoring wells MW-1, MW-5, MW-7, MW-12, and MW-13 for utilization in fate and transport modeling, further discussed in Section 5.8 and 5.9.

5.1 GROUNDWATER ELEVATION

Water level information from the November 2013 sampling event is summarized in Table 1. The water level data was used to determine the volume of water to be purged from each well prior to sample collection, as well as the static groundwater elevation in each well. Prior to well purging and sampling, the depth to water in each monitoring well was measured from the top of the casing using an electronic water level indicator. Each well measurement was recorded to one-hundredth (1/100) of a foot. The well data was recorded on field logs which are included in the Monitoring Well Purging & Sampling Information Sheets of **Appendix E**. The groundwater elevation of each monitoring well was utilized to prepare a groundwater table map for the November 2013 sampling event, included as **Figure 3**. The resulting groundwater flow direction to the southwest is consistent with historic observations.

5.2 WELL PURGING

Well purging and sampling activities were conducted in accordance with the U.S. Environmental Protection Agency (EPA) Science and Ecosystem Support Division (SESD) Operating Procedure (OP) for Groundwater Sampling (SESDPROC-301-R3, March 2013; Section 3.2.1). Prior to sample collection, each of the wells was purged of a minimum of three (3) well volumes to remove stagnant water from the screened portion of the well and to allow for the collection of groundwater samples that are representative of the surrounding formation. Individual monitoring well purge volumes were calculated as follows:

Depth of well (ft) - Static water level (ft) = Column of water (ft)

Column of water (linear ft) x 0.17 gallons x 3 = Gallons of water to purge

Purging was accomplished using either a peristaltic pump or stainless steel submersible pump equipped with one-time use teflon-coated disposable tubing. A minimum of three well volumes of water was removed and a sample was taken after the pH, temperature and specific conductivity had equilibrated in each well. During the well purging process, discrete samples were collected at predetermined intervals and analyzed for field parameters which included temperature, pH, specific conductance, turbidity, dissolved oxygen (DO), total dissolved solids (TDS), and oxidation-reduction potential (ORP). The results of these measurements are presented on the Field Water Quality Sampling Forms in **Appendix E**. The wells were purged of a minimum of three well volumes, until the field parameters stabilized, or until the wells were purged dry, whichever occurred first.

5.3 SAMPLING PROCEDURES

Groundwater sampling was conducted in accordance with procedures outlined in SESD Operating Procedures for Groundwater Sampling (SESDPROC-301-R3, March 2013; Section 4.3.1.3). Groundwater samples were collected from the peristaltic and/or submersible pump following well purging and appropriate recharge. Copies of the data recorded during purging activities are included in the Field Water Quality Sampling Forms shown in **Appendix E**.

Required sample volumes, types of containers, sample preservatives, and holding times followed guidelines presented in SESD guidelines, November 2013 Sample containers were labeled and placed in iced containers for storage to maintain a temperature of 4° C. Chain-of-Custody procedures were used to record and document sample times and changes of possession.

5.4 DECONTAMINATION PROCEDURES

All downhole and/or re-usable field monitoring and/or sampling equipment was properly decontaminated between monitoring/sampling locations in accordance with the SESD Operating Procedures for Field Equipment and Decontamination (SESDPROC-205-R2, December 2011; Sections 3.3, 3.5, and 3.6).

5.5 ANALYTICAL PROCEDURES

Samples collected from monitoring wells were analyzed for volatile organic constituents (VOCs) via EPA Method 8260B. After collection, all sample coolers were delivered to Analytical Environmental Services, Inc. (AES) located in Atlanta, Georgia under proper Chain-of-Custody protocol for laboratory analyses for Constituents of Concern.

5.6 ANALYTICAL RESULTS

Nine (9) COCs were reported at concentrations in excess of the laboratory method detection limits (MDL) during the November 2013 sampling event. In addition, non-regulated VOCs methyl-tert-butyl-ether (MTBE) and Methylcylcohexane were also detected in excess of the

laboratory MDL. The VOCs detected in November 2013 (and monitoring well where detected) are summarized below:

- Benzene (MW-2, MW-5);
- cis-1,2-DCE (MW-2, MW-5);
- Cyclohexane (MW-2, MW-5);
- Ethylbenzene (MW-2);
- Isopropylbenzene (MW-2);
- MTBE – Not regulated (MW-2);
- Methylcyclohexane – Not regulated (MW-2, MW-5);
- PCE (MW-2, MW-3, MW-5, MW-6, MW-7, MW-11, MW-12);
- Toluene (MW-2);
- TCE (MW-2, MW-3, MW-5, MW-6, MW-7, MW-11); and
- Total Xylenes (MW-2).

Horizontal Extent of Impacted Groundwater

The COCs detected in groundwater during the November 2013 sampling event are depicted on **Figure 9**. The principal COCs at the VRP Property are PCE (and its associated breakdown products), BTEX, and various petroleum-related COCs. The November 2013 isocontour map for PCE, TCE, cis-1,2-DCE, Benzene, and Cyclohexane are included as **Figures 10 - 14**. Isocontour maps for remaining COCs (Ethylbenzene, Isopropylbenzene and Toluene) detected above their respective Type 1/3 RRS were not included since these COCs were only detected in MW-2. A summary of the historic groundwater analytical data and MNA parameters are provided in **Tables 4** and **5**, respectively.

Based on the November 2013 groundwater analytical results, the horizontal extent of Benzene, cis-1,2-DCE, Cyclohexane, Ethylbenzene, Isopropylbenzene, Toluene, TCE, and Total Xylenes has been delineated at the VRP Property. As PCE was detected at MW-11 and MW-12, additional off-site horizontal delineation wells will be required side-gradient (west-northwest) of MW-11 and downgradient (south-southwest) of MW-12. It is anticipated that the side-gradeint delineation monitoring well (MW-14) will be installed on the “new” Thomas County Courthouse Property and the downgradient delineation monitoring well (MW-15) will be installed in the City of Thomasville right-of-way. The proposed off-site horizontal delineation well locations (MW-14 and MW-15) are illustrated on **Figure 15**.

The off-site horizontal delineation well is planned to be installed in accordance with the required 2-year VRP milestone schedule. It is anticipated that the Thomas County Courthouse will enroll into the VRP program with TNB, the schedule for completion of horizontal delineation at the Courthouse would be in accordance with the 1-year milestone schedule for a VRP Property.

Vertical Extent of Impacted Groundwater

The vertical extent of impacted groundwater has yet to be defined at the VRP Property. Based on the current analytical results, the location of the deep well will be within the vicinity of MW-5. Discussions and data associated with vertical extent delineation activities will be provided in subsequent semiannual groundwater monitoring reports and the final VRP CSR. Vertical delineation activities will be performed in accordance with the VRP milestone schedule, prior to the Fifth (5th) Semiannual Progress Report, due August 1, 2015.

5.7 GROUNDWATER DELINEATION STANDARDS

Nine (9) HSRA-regulated substances have been historically detected in groundwater samples collected at the VRP Property. The resulting groundwater delineation standards are provided below:

TABLE 5.7 – TYPE 1/3 GROUNDWATER RRS SUMMARY

REGULATED CONSTITUENT	HIGHEST DETECTED CONCENTRATION IN UG/L (NOVEMBER 2013)	TYPE 1/3 RRS (UG/L)
Benzene	**11 (MW-2)**	**5**
cis-1,2-DCE	**18 (MW-3)**	**5**
Cyclohexane	**89 (MW-2)**	**5**
Ethylbenzene	**1,100 (MW-2)**	**700**
Isopropylbenzene	**60 (MW-2)**	**5**
PCE	**5,200 (MW-5)**	**5**
Toluene	**2,600 (MW-2)**	**1,000**
TCE	**36 (MW-5)**	**5**
Total Xylenes (o,m,p)	6,000 (MW-2)	10,000

Notes: **Bolded** constituents exceed the Type 1/3 RRS.

As indicated above, the following HSRA-regulated substances were detected above applicable groundwater RRS during the November 2013 sampling event:

- Benzene, cis-1,2-DCE, Cyclohexane, Ethylbenzene, Isopropylbenzene, PCE, Toluene, and TCE.

Of these COCs, Ethylbenzene, PCE, and Toluene were detected. As previously stated, PCE was detected above its laboratory reporting limit at MW-11 and the most downgradient monitoring well or POD well (MW-12). Currently, PCE is the only COC requiring additional horizontal delineation.

5.8 AQUIFER SLUG TESTING

In November 2013, the local hydraulic conductivity of the native soil at the VRP Property was calculated by conducting a series of slug tests at wells MW-1, MW-5, MW-7, MW-12, and MW-13. The slug tests measured the time/rate of return to static water levels after an instantaneous change in head. Homogeneity and constant aquifer thickness are general assumptions for the test analysis; these are generally met due to the small radius of influence of the test.

Two classes of solutions are generally used:

1. The first assumes water and soil are incompressible (storage is zero; i.e., Bouwer and Rice[1], and Hvorslev[2] methods), which is a straight-line solution method; and,
2. The second assumes a non-zero storage coefficient (i.e., Cooper et.al[3], and Hyder et. al[4] methods), which is a type-curve matching solution method.

A fully submerged screen is highly preferable for best test results, otherwise a "double-straight line" effect resulting from filter-pack drainage into the well (initial drainage followed by actual aquifer response) will likely be seen in the test response curve (Bower, 1989[5]).

The basic requirements are that the change needs to take place rapidly ("instantaneous"), and the change needs to be of sufficient magnitude. The slug can either be introduced (slug in) or withdrawn (slug out). In this case, the slug was withdrawn from the well. The method for removing a slug was pulling a slug of water out of the well quickly with a bailer. Pressure/head changes are rapid; therefore, the measuring device used was a pressure transducer with a datalogger. The unit used was a single logging transducer (i.e., LevelTroll 700) programmed to collect at logarithmic intervals. The transducer was installed at a depth at least 2 feet from the bottom of the well, but below the targeted drawdown estimated for the well. The groundwater level in the test well was measured before beginning the test both to ensure there were no background water level fluctuations, and also to establish a reference static water level.

All equipment that entered the test well (i.e., slug, water-level meter, transducer) was decontaminated before use. The slug was removed quickly, causing a measurable change in

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[1] Bower, H., and Rice, R.C., 1980. A Slug Test for Determining the Hydraulic Properties of Tight Formations. Water Resources Research, Vol. 16, No. 1, pp 233-238.

[2] Hvorslev, M.J., 1951. Time Lag and Soil Permeability in Ground Water Observations, Bulletin No. 36, U.S. Army Corps of Engineers, p 50.

[3] Cooper, H.H., Bredehoeft, J.D., Papadopulos, S.S., 1967. Response of a Finite-Diameter Well to an Instantaneous Change in Water. Water Resources Research, Vol. 3, No. 1, pp 263-269.

[4] Hyder, Z, Butler, J.J., Jr., McElwee C.D., and Liu, W., 1994. Slug Tests in Partially Penetrating Wells, Water Resources Research, vol. 30, no. 11, pp. 2945-2957.

[5] Bower, Herman, 1989. The Bower and Rice Slug Test – An Update. Ground Water, Vol. 27, No. 3, pp 304-309.

water level. Measurements were taken until the water level had recovered at least 95%. The results of the slug tests are contained in **Appendix F**.

To evaluate the data from the test, the Bower and Rice Excel spreadsheet associated with the USGS Open File Report OFR 02-197 "Documentation of Spreadsheets for the Analysis of Aquifer-Test and Slug-Test Data" was used. The results of these evaluations are contained in **Appendix F**. The calculated hydraulic conductivities were as follows:

MW-1: 1.2096 ft/day
MW-5: 0.864 ft/day
MW-7: 0.10368 ft/day
MW-12: 3.888 ft/day
MW-13: 0.3456 ft/day

The geometric mean of the hydraulic conductivities is 0.86 ft/day (2.4 $x10^{-4}$ cm/sec).

5.9 GROUNDWATER PREDICTIVE FATE AND TRANSPORT MODELING

As a preliminary part of the groundwater predictive fate & transport modeling activities, Peachtree completed the natural attenuation screening protocol scoring sheet which is included as part of the BIOCHLOR model. BIOCHLOR is a USEPA screening model that simulates natural attenuation of dissolved solvents at chlorinated hydrocarbon release sites. The software is programmed in Microsoft Excel spreadsheet format and is based on the Domenico analytical solute transport model. The scoring sheet utilizes various chemical and geochemical field input parameters derived from analytical testing and/or field measurements collected during the November 2013 monitoring event. The purpose of the scoring for the VRP Property was to evaluate whether or not the VRP Property is conducive for natural attenuation and was conducted at the four monitoring wells for which natural attenuation parameters were collected: MW-1, MW-5, MW-7, and MW-12. Input parameters include the following:

- Dissolved Oxygen, Nitrate, Iron II, Sulfate, Sulfide, Methane, Oxidation Reduction Potential (ORP), pH, Total Organic Carbon (TOC), Temperature, Carbon Dioxide, Alkalinity, Chloride, Hydrogen, Volatile Fatty Acids, BTEX, PCE, TCE, DCE, VC, DCA, Chloroethane, Ethene/Ethane, Chloroform, and Dichloromethane.

Based on the inputs, a score is derived indicating the potential or favorability for natural attenuation processes to occur at the VRP Property. Scoring ranges are as follows:

INTERPRETATION	SCORE
Inadequate evidence for anaerobic biodegradation of chlorinated organics =>	0 - 5
Limited evidence for anaerobic biodegradation of chlorinated organics =>	6 - 14
Adequate evidence for anaerobic biodegradation of chlorinated organics =>	15 - 20
Strong evidence for anaerobic biodegradation of chlorinated organics =>	> 20

The upgradient well MW-1 and the two downgradient wells showed calculated scores of 5 to 6, indicating limited evidence for anaerobic degradation. The source area well MW-5 had a score of 14, at the high end of limited evidence (adequate evidence=15) of anaerobic degradation. It should be noted that the presence of the degradation products TCE and cis-1,2-dichloroethene are direct evidence that anaerobic degradation is taking place. However, the low ratios of their concentrations versus the parent material PCE, plus the lack of vinyl chloride in any samples, suggests that the biological attenuation rate is at the low end. These results are consistent with past screening values. The natural attenuation screening protocol inputs and output are included in **Appendix G**.

BIOCHLOR has the ability to simulate one-dimensional advection, three-dimensional dispersion, linear adsorption, and biotransformation through reductive dechlorination under anaerobic conditions. Dissolved solvent degradation is assumed to follow a sequential first-order decay process.

The groundwater conditions exhibited in the November 2013 sample from monitoring well MW-5 were used to simulate conditions at the suspected source area. Groundwater conditions over a 30-year period were simulated showing both Solute transport without decay, and Solute transport with biotransformation modeled as a sequential first-order decay process. The longitudinal dispersivity (αx) was estimated as $\alpha x = 0.83(\log10\ L)2.414$ (from Xu and Eckstein, 1995). The MW-5 BIOCHLOR Model results are also included in **Appendix G**.

The modeling results comparing the predicted PCE concentrations versus observed field data from wells MW-5, MW-6, MW-7, and MW-12 were moderately accurate, with the actual values bracketed by the transport with no decay and transport with decay. However, the TCE modeling results were difficult to simulate given the site conditions. The concentrations observed at the actual well locations downgradient of the source area appear to vary per well, not following a general degradation rate for the site but more on a localized degradation rate for each location. Due to the limited to adequate evidence of MNA, Peachtree is currently researching potential bio-enhancing injection technologies for implementation at the VRP Property.

6.0 VAPOR INTRUSION SCREENING

Peachtree evaluated the potential for intrusion of volatile organic compounds (VOCs) into overlying buildings at the VRP Property via the groundwater-to-indoor-air pathway using the U.S. Environmental Protection Agency (EPA) Vapor Intrusion Screening Level (VISL) calculator.

The chlorinated VOCs PCE, TCE, and cis-1,2-DCE were detected in several groundwater monitoring wells, with highest concentrations of PCE and TCE detected in groundwater from monitoring well MW-5 (the highest concentration of cis-1,2-DCE was detected in groundwater from MW-2). Petroleum-related aromatic hydrocarbons were also detected in the groundwater samples from monitoring wells MW-2 and MW-5, with higher concentrations of the aromatic hydrocarbons in groundwater from MW-2.

The VISL calculator contains several different spreadsheets for different exposure pathways. The current version (November 2013) of the groundwater-to-indoor-air spreadsheet (GW_IA_calc) was selected for this evaluation, and the following input parameters were selected:

- Exposure Scenario: Commercial
- Target Risk for Carcinogens: 10^{-5}
- Target Hazard Quotient for Non-Carcinogens: 1
- Average Groundwater Temperature: 19.4°C

As shown in the attached **Appendix H**, the VISL calculator predicted indoor air concentrations for each of the detected VOCs, and then calculated the carcinogenic risk and non-carcinogenic hazard associated with the predicted indoor air concentrations. Calculations were not performed for Methylcyclohexane, as there are no established toxicological factors (carcinogenic slope factors and non-carcinogenic reference doses) for the chemical (Methylcyclohexane is not a regulated substance under HSRA). MTBE is not a regulated substance under HSRA, but was included in the VISL calculations as there are established toxicological factors for MTBE.

Since both monitoring wells MW-2 and MW-5 are located relatively close to the bank building, groundwater beneath the building may contain substances at the concentrations detected from either well. Therefore, the VISL calculator was run using the maximum concentrations from both wells ("worst-case" scenario). As shown in the attached spreadsheet, the screening suggested that the carcinogenic risk for both PCE (5.9×10^{-5}) and Ethylbenzene (5.2×10^{-5}) exceeds the threshold of 1×10^{-5}, and that the non-carcinogenic hazard quotient for PCE (16), TCE (1.3), and m&p Xylenes (1.4) exceeds the threshold of 1.

As the VISL screening indicated that concentrations of PCE, TCE, Ethylbenzene, and m&p Xylenes in groundwater exceed screening values, site-specific evaluation of the vapor-intrusion potential was performed using the Johnson & Ettinger model. Like the VISL calculator, the J&E Model contains several different spreadsheets for different routes of exposure and for advanced and screening modes. As screening had already been accomplished using the VISL calculator,

the most recent version of the J&E Advanced Groundwater spreadsheet (GW-ADV-Feb04) was selected for this application.

The physio-chemical data and toxicological data for the J&E model were updated with the current values from the Mid-Atlantic Regional Screening Tables; the physio-chemical and toxicological data for total Xylenes was used for m&p-Xylenes and entered into the J&E model as m-Xylene. The following additional model inputs were selected:

- Average soil/water temperature: 19.4°C (same as VISL calculator)
- Depth below grade to bottom of enclosed space floor: 15 cm (J&E default for slab-on-grade buildings)
- Depth below grade to water table: 762 cm (25 feet)
- Soil type: Sandy clay (SC)
- Enclosed space floor length: 2438 cm (80 feet)
- Enclosed space floor width: 1829 cm (60 feet)
- Enclosed space height: 244 cm (J&E default for slab-on-grade buildings)
- Exposure duration: 25 years (HSRA default for non-residential exposure)
- Exposure frequency: 250 days (HSRA default for non-residential exposure)
- Target risk for carcinogens: 1×10^{-5} (HSRA default target)

All other input parameters were J&E model default values, including the conservative 0.25/hour indoor air exchange rate.

The highest detected concentrations of each of the four (4) VOCs exceeding the VISL screening were then put into the J&E model and the carcinogenic risk and non-carcinogenic hazard were calculated. As shown in the attached model output sheets provided in **Appendix H** and summarized in Table 5.10 below, the model demonstrated that the VOC concentrations in groundwater would not cause the carcinogenic risk and non-carcinogenic hazard associated with the resulting indoor air concentrations to exceed the threshold values.

TABLE 5.10 – CANCER RISK AND HAZARD QUOTIENT SUMMARY

SUBSTANCE	GW CONC. (µG/L)	CANCER RISK	HAZARD QUOTIENT
PCE	5,200	1.7×10^{-6}	0.45
TCE	36	1.5×10^{-7}	0.05
m,p-Xylene	4,100	NA	0.08
Ethylbenzene	1,100	2.2×10^{-6}	0.002

Therefore, although the VISL screening process indicates that further consideration is appropriate for PCE, TCE, m,p-Xylene, and Ethylbenzene, J&E modelling indicates that the

concentrations in groundwater of these four (4) VOCs would not result in an unacceptable risk to human health via the vapor intrusion pathway. As such, further action is not warranted.

7.0 PRELIMINARY REMEDIATION PLAN

Peachtree collected additional samples in areas previously not investigated in November 2013. The boring locations and analytical results are illustrated on **Figure 6**. The following paragraphs discuss various elements in further delineation and remediation of the VRP Property.

7.1 FURTHER DELINEATION

Resampling of MW-5 and MW-3. Significant increases in concentrations of PCE in particular were detected at MW-5 and MW-3. Peachtree will resample those wells to confirm the increases before recommending or implementing further investigation or remediation.

Sampling to Locate the Soil Source Beneath the Building. While Peachtree concurs with EPD that interior soil sampling may be worthwhile, the potential damage to sub-slab utilities and associated repair difficulties (in the event damage is encountered) present obvious challenges for consideration prior to implementation. Due to the PCE compound's affinity to bind to clay soil types, it is suspected that the source area is isolated within the sandy, mottled clay and kaolin clay soil lithology at the VRP Property. As such, the likelihood of encountering the impacted soil source with a soil boring (vertical, horizontal or angular) method through the floor of the building or from the building perimeter would be extremely limited. Rather, if resampling the monitoring wells confirms significant increases in PCE concentrations, Peachtree proposes consideration, if appropriate, of installation of soil gas sample points across exterior locations adjacent to the building to be utilized in a modified active gas sampling (MAGS) investigation.

MAGS Investigation. The object of this assessment would be to determine if any source material is present within the vadose zone soils around or beneath the building utilizing modified active gas sampling (MAGS) techniques, and, if present, to locate the source area for focused remediation. MAGS is an efficient and cost-effective method for assessing large areas with statistically significant results. The method involves a modification of the traditional active gas sampling method that uses higher vacuums and higher flow rates. It is useful for detecting and quantifying volatile organic impacts to soils, especially when multiple small releases may have occurred.

The MAGS method extracts soil vapor from temporary piezometers at a relatively high rate (up to 100 cubic feet per minute [cfm]) to determine soil impacts within the radius of influence of the piezometers to which the vacuum is being applied. The temporary piezometers are installed in the area to be assessed, often focused in areas with historical groundwater impacts (e.g., MW-5). A radius of influence of 20 to 30 feet can be assumed, depending on soil type, degree of vacuum applied, and the moisture content of the soil; larger areas can be expected if a surface seal exists. The use of numerous sampling points may allow a specific location of the source to be determined by triangulation. This technique would prove useful given the VRP Property's

observed sandy, mottled clay and kaolin clay soil lithology. Peachtree's proposed MAGS piezometer locations are illustrated on **Figure 16**.

On-site Vertical Delineation. Peachtree will install a deep well on the VRP property to complete the vertical delineation. The proposed location of the deep well is in the vicinity of MW-5.

Off-site Horizontal Delineation. In addition, off-site horizontal delineation wells will be required side-gradient (west-northwest) of MW-11 and downgradient (south-southwest) of MW-12. It is anticipated that the side-gradient delineation monitoring well (MW-14) will be installed on the "new" Thomas County Courthouse Property and the downgradient delineation monitoring well (MW-15) will be installed in the City of Thomasville right-of-way. The proposed off-site horizontal delineation well locations (MW-14 and MW-15) are illustrated on **Figure 15**. The off-site horizontal delineation wells are planned to be installed in accordance with the required 2-year VRP milestone schedule. Since it is anticipated that the Thomas County Courthouse will enrolled into the VRP program with TNB, the schedule for completion of horizontal delineation at the Courthouse will be in accordance with the 1-year milestone schedule for a VRP Property.

7.2 REMEDIATION

Soil and Groundwater Remediation. Based on results of the MAGS investigation to locate and determine the extent of a soil source of contamination beneath the building, one or more methods of remediation will be evaluated, including enhanced reductive dechlorination.

Enhanced Reductive Dechlorination (ERD). Based on the results of the slug testing and MNA parameter analysis, bio-enhancement of the MNA process will also be considered at the VRP Property, if deemed appropriate. Peachtree is currently in the process of researching viable technologies for implementation at the VRP Property.

Vapor Intrusion. In addition, based on results of Peachtree's modelling efforts using VISL and Johnson & Ettinger models, none of the COC concentrations in groundwater results in an unacceptable risk to human health via the vapor intrusion pathway.

7.3 FUTURE MONITORING

Future Groundwater Sampling. The next groundwater sampling event is scheduled for June 2014. The results of the proposed soil investigation and June 2014 groundwater sampling results will be provided in the next (3rd) VRP Semiannual Progress Report, due August 1, 2014.

8.0 PROFESSIONAL CERTIFICATION

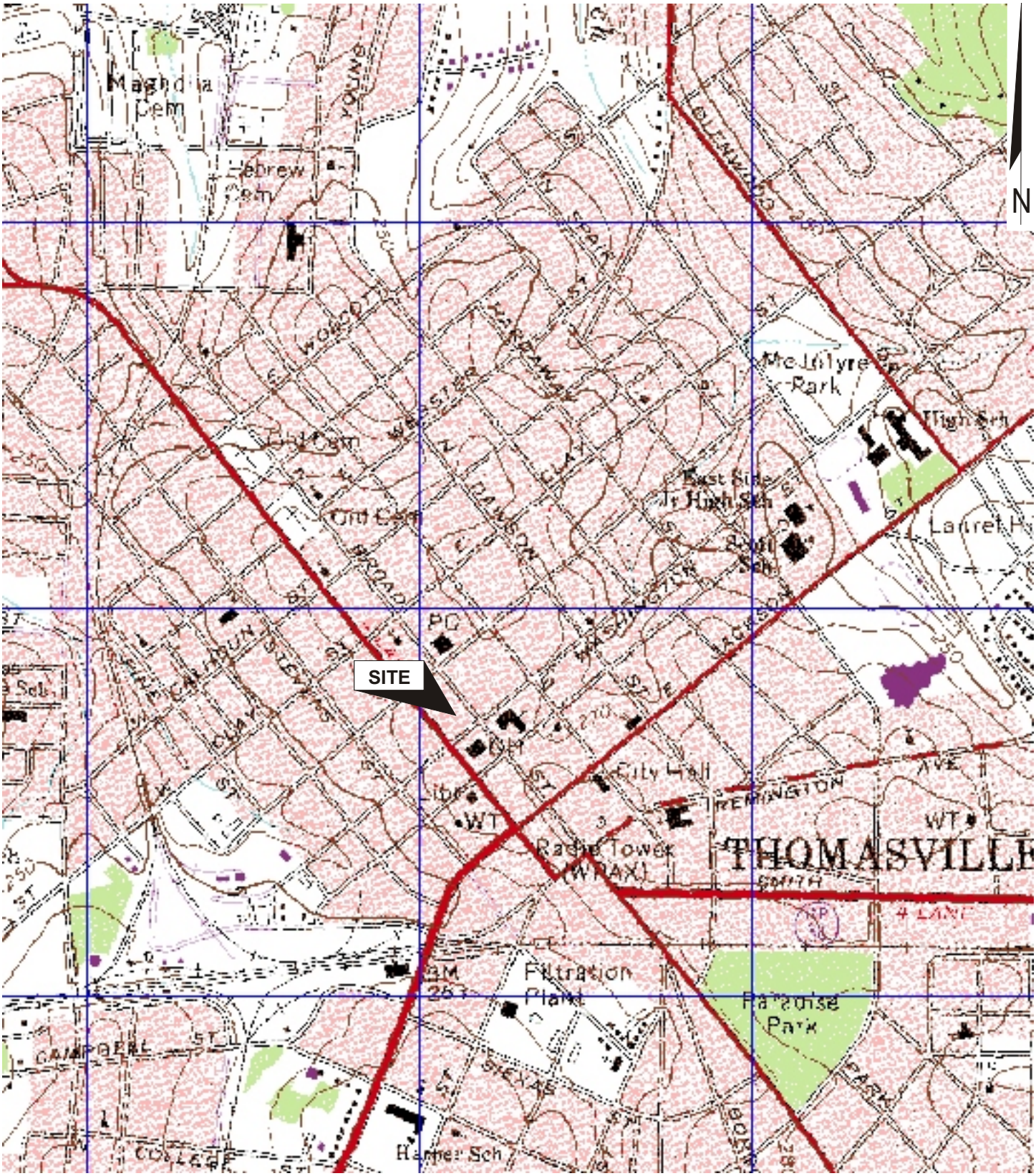
"I certify that I am a qualified groundwater scientist who has received a baccalaureate or post graduate degree in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by me or by a subordinate working under my direction."

John P. Martiniere, Jr., P.E.

Georgia Registration No. 11858

A monthly summary of Professional Engineer/Geologist hours expended as part of this semi-annual progress report is included as **Appendix I**.

FIGURES



Source: United States Geological Survey 7.5 Minute Topographic Map
Thomasville Quadrangle

SCALE: 1" = 2000'

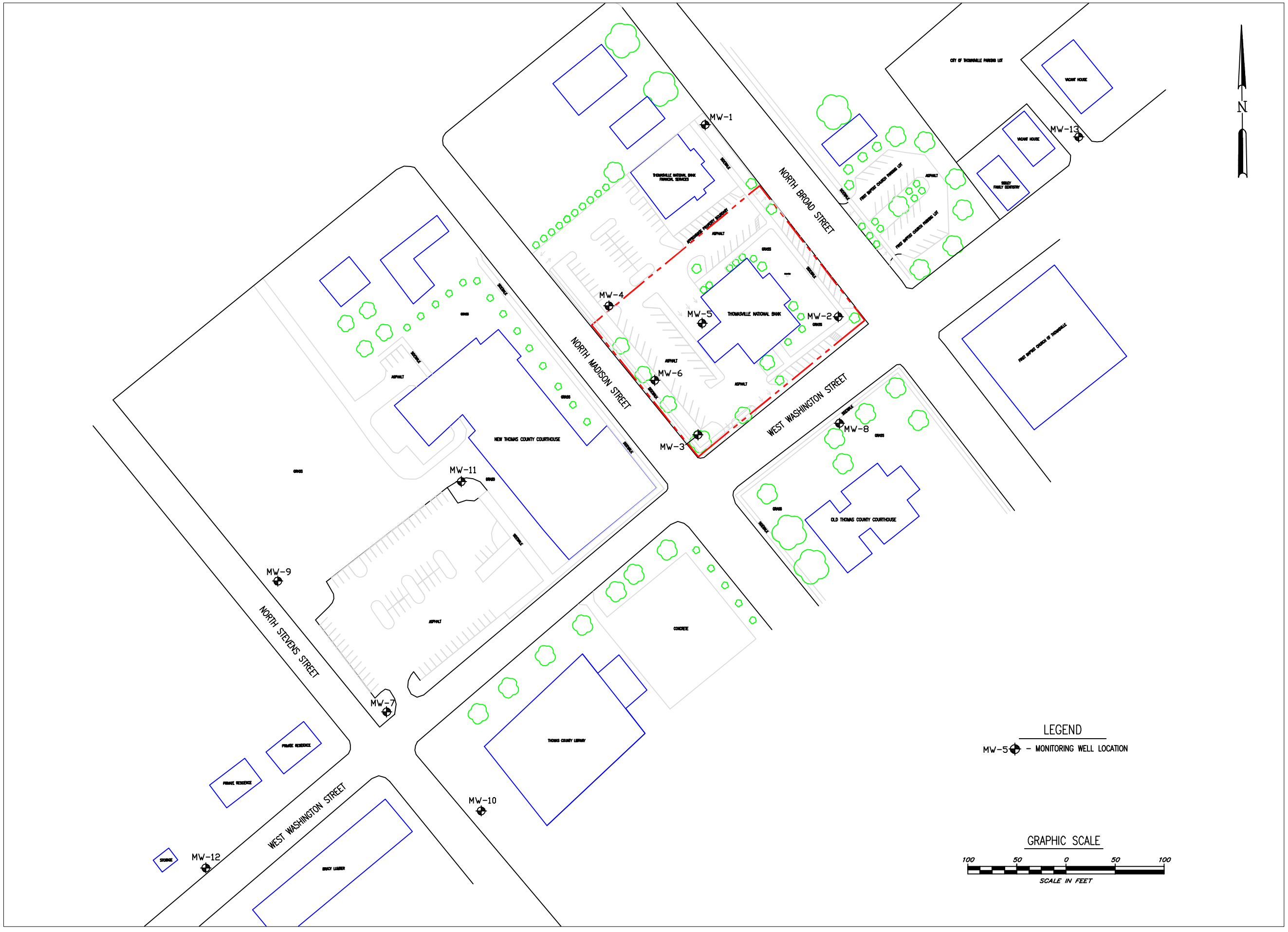
Peachtree Environmental

THOMASVILLE NATIONAL BANK
THOMASVILLE, THOMAS COUNTY, GEORGIA

FIGURE 1
PROPERTY LOCATION / USGS TOPOGRAPHIC MAP

2nd SEMIANNUAL REPORT

QUADRANGLE LOCATION



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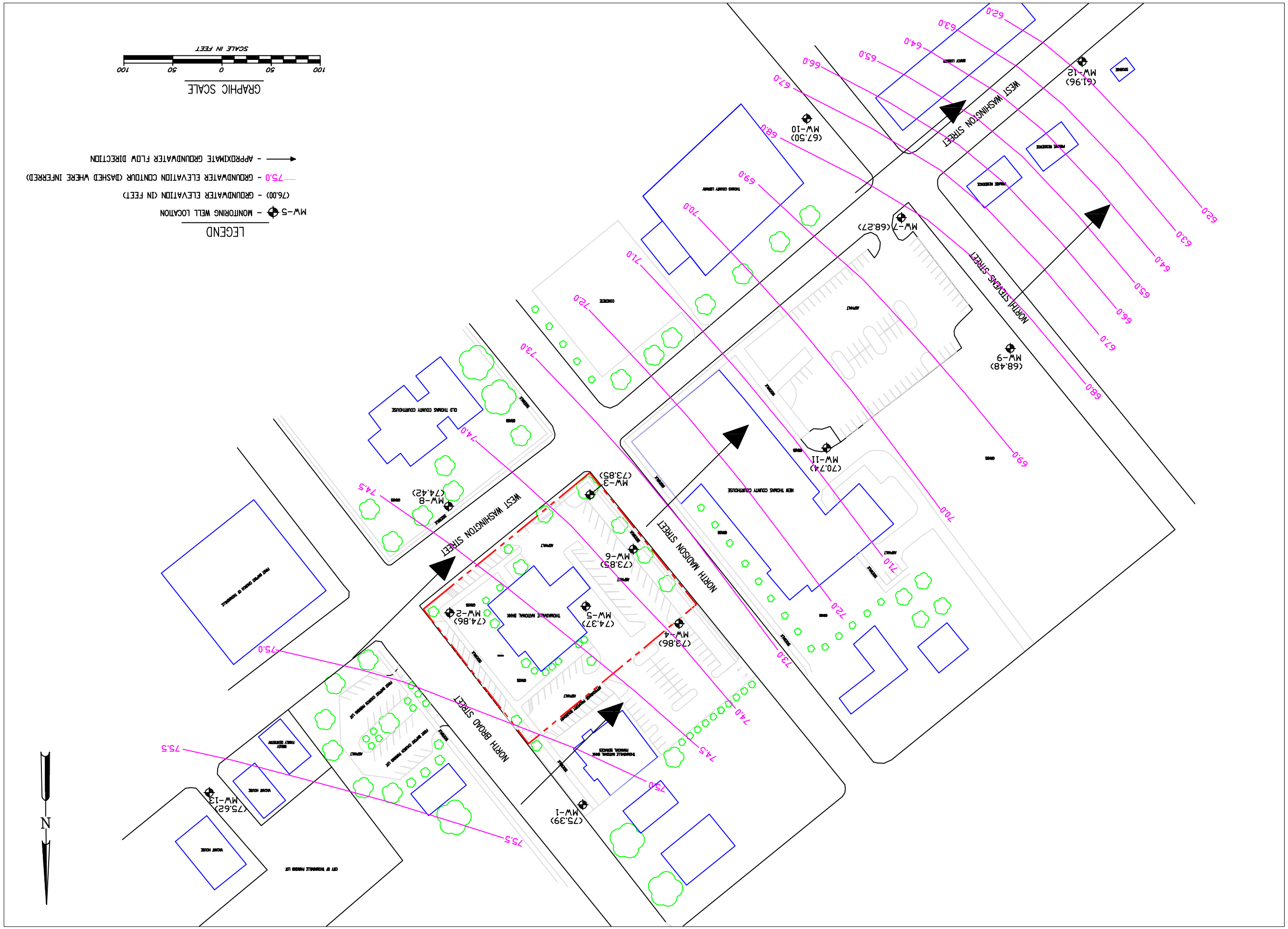
	DATE OF ISSUE 11/26/13		JPC	JPC	JPM	CHM

Peachtree Companies, Inc.

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

PROPERTY LAYOUT MAP

FIGURE NO. **2**
THOMASVILLE 3151



THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA
GROUNDWATER TABLE MAP -
NOVEMBER 22, 2013

FIGURE NO.
3
THOMASVILLE
3151

Pathway
Catalyst Inc.

REV	DATE	DESCRIPTION	DWN BY	CKD BY	DES BY	APP BY	APD BY

DATE OF ISSUE 11/17/14
DWN BY JPC
DES BY JPC
CKD BY JPM
APP BY CHM

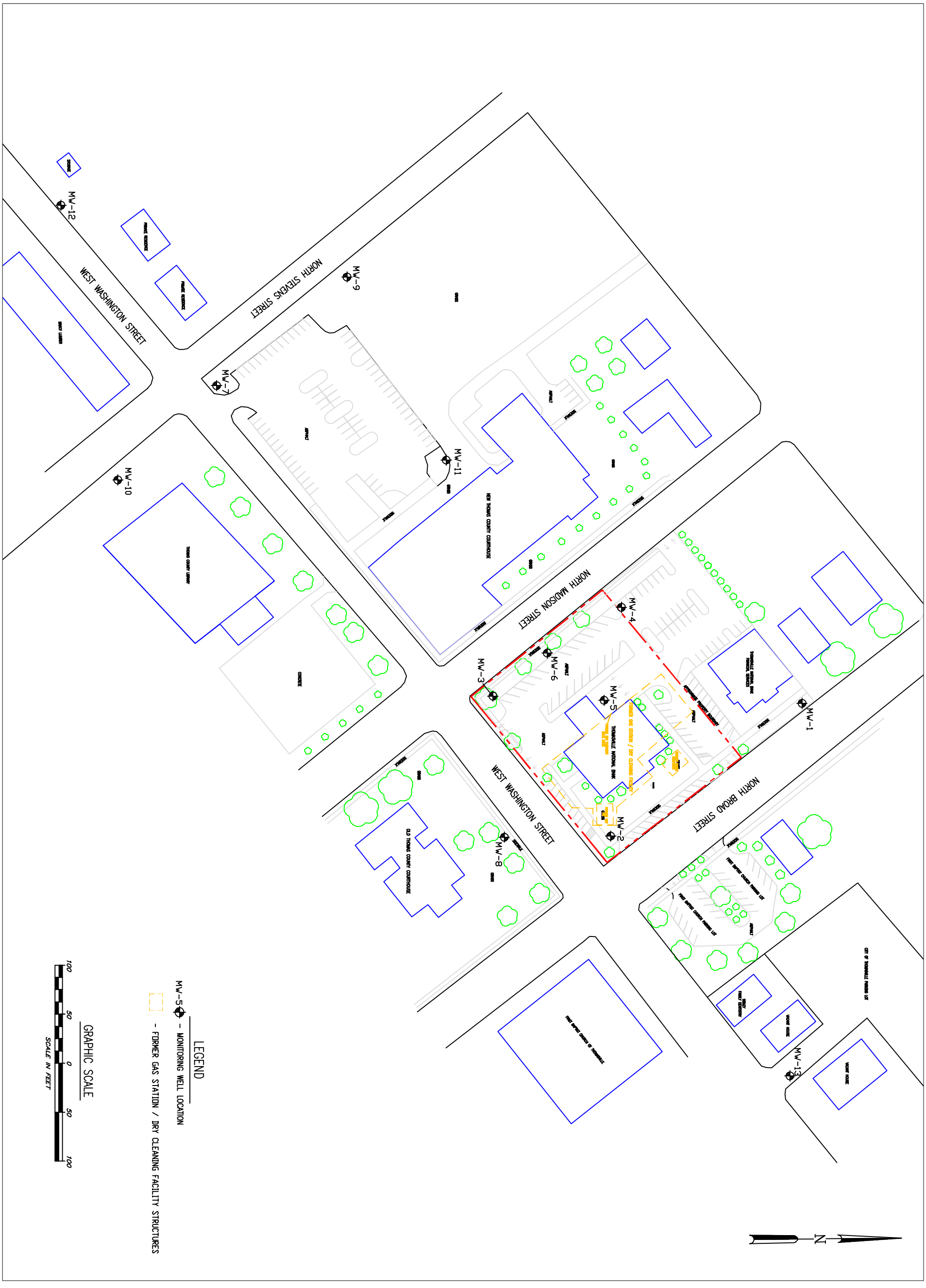


FIGURE NO.
4
THOMASVILLE
3151

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

SUSPECTED SOURCE AREA LOCATION MAP

Peachtree Environmental Inc.

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DATE OF ISSUE 1/21/14 DWN BY JPC DES BY JPC CHK BY JPM APP BY CHM

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
	DATE OF ISSUE 7/15/14		DWN BY JPC		CHK BY JPM	
			DES BY JPC		APP BY CHM	

Pandora Technology Corporation

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

CONCEPTUAL SITE MODEL CROSS-SECTION LOCATION MAP

FIGURE NO. **5**

THOMASVILLE 3151

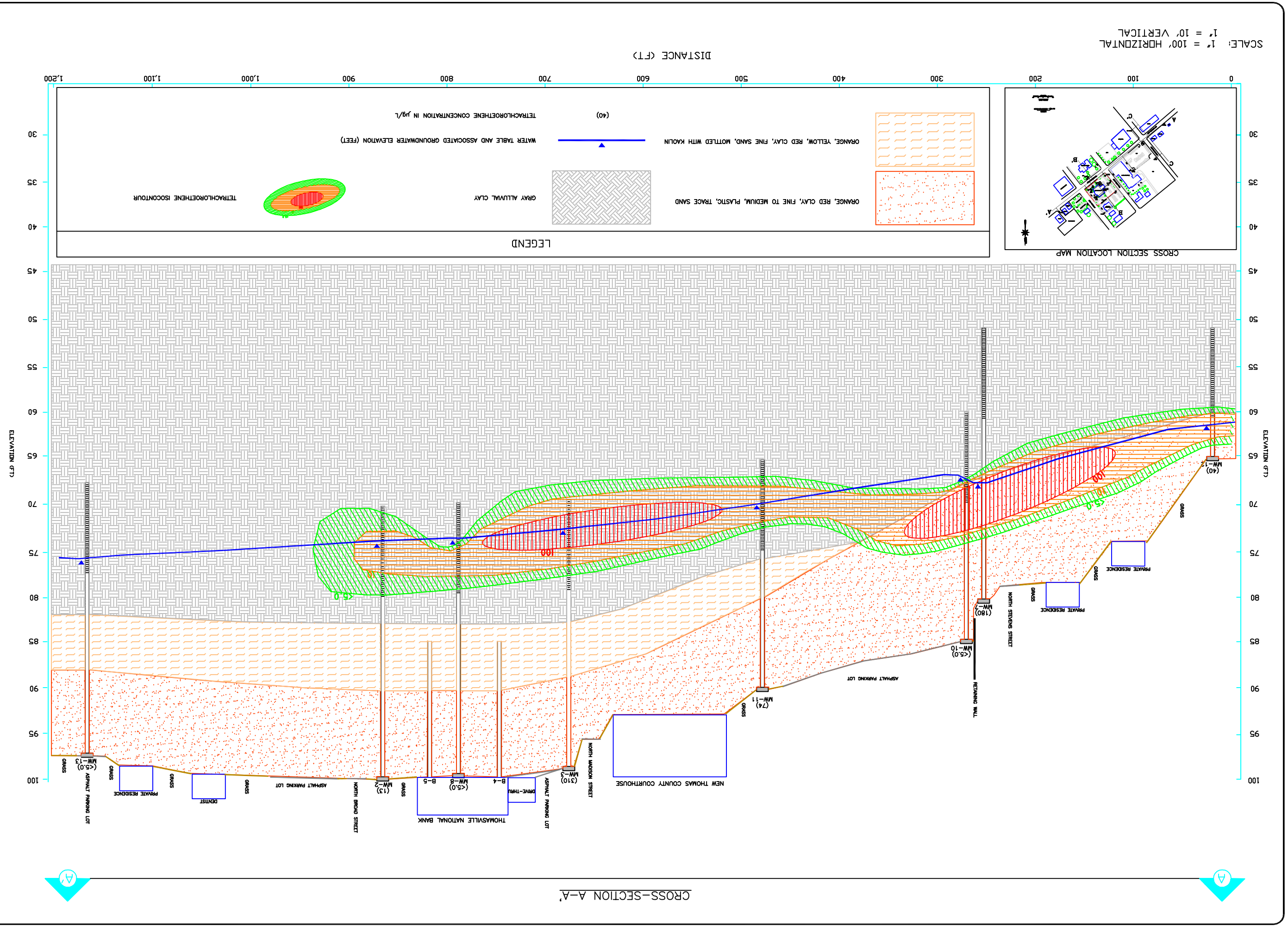

FIGURE NO.
6A
TNB
3151

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

CSM CROSS-SECTION (A - A')

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DWN BY JPC
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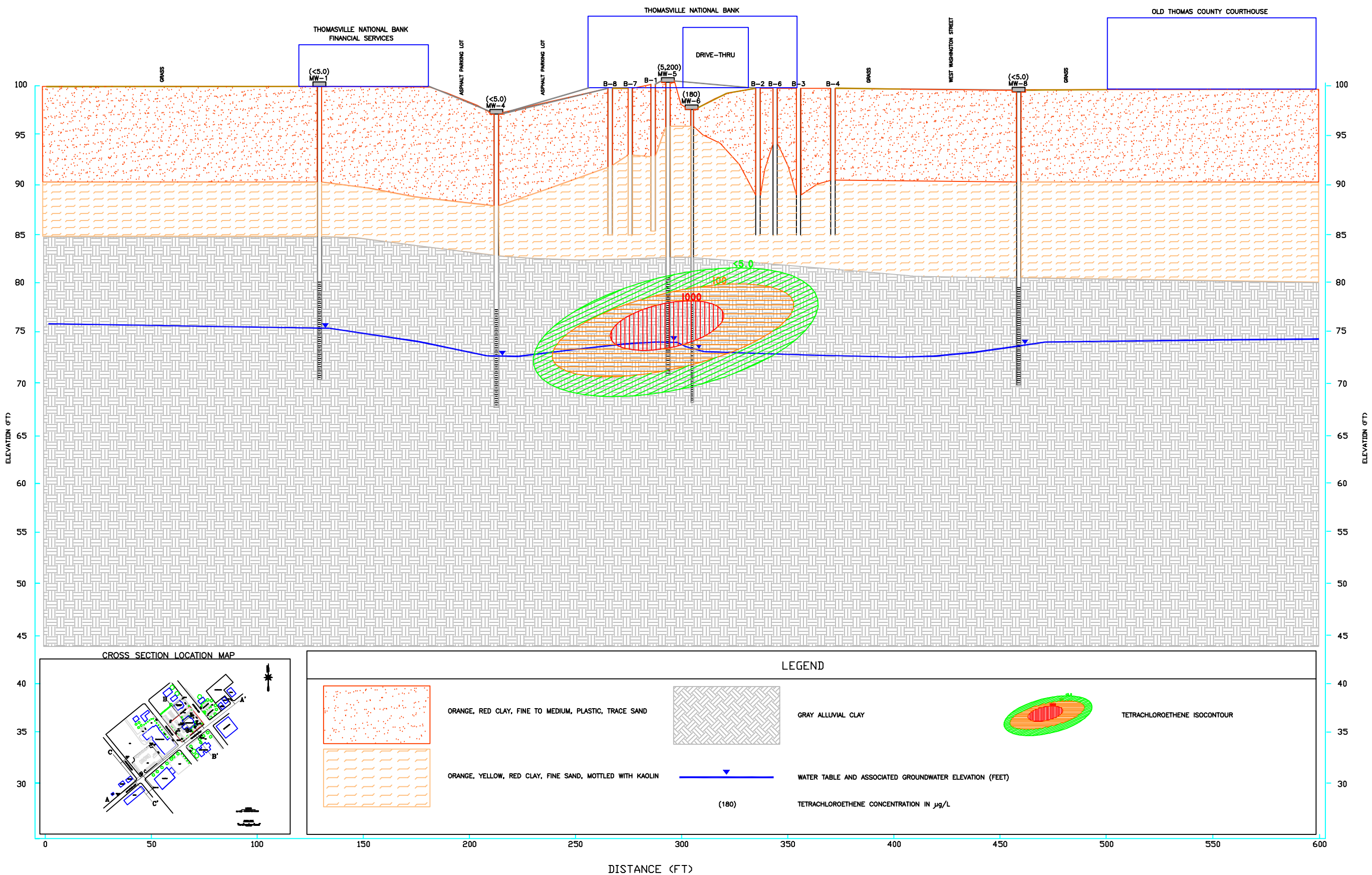
CROSS-SECTION B–B'



SCALE: 1" = 50' HORIZONTAL
1" = 10' VERTICAL

REV	DATE	DESCRIPTION	DWN BY	CHK BY	DES BY	APP BY
	DATE OF ISSUE 1/14/14		JPC	TAL		
			DES BY JPC	CHK BY JPM		

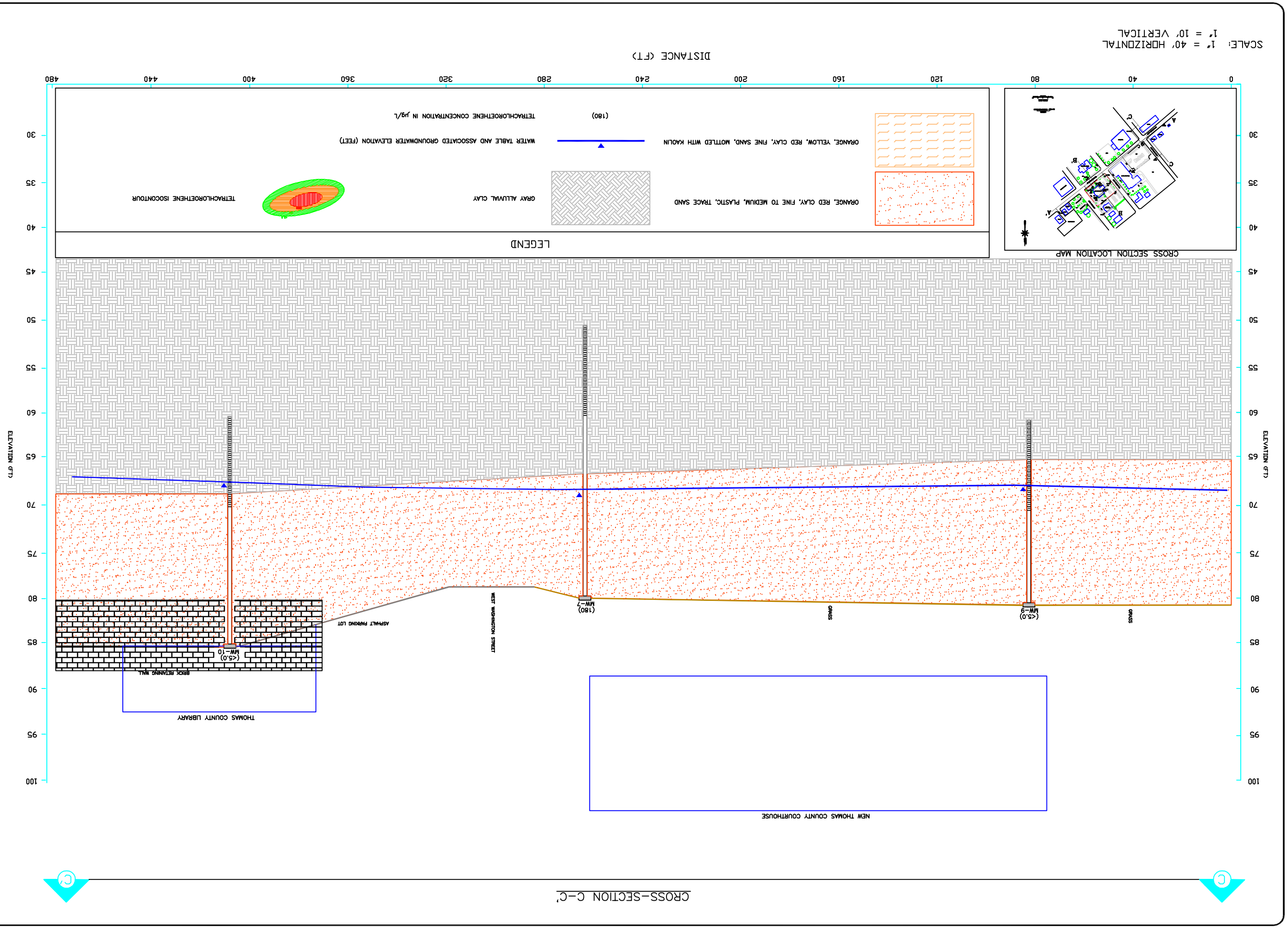
Peachtree Environmental

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

CSM CROSS-SECTION (B - B')

FIGURE NO. 6B

TNB 3151



THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

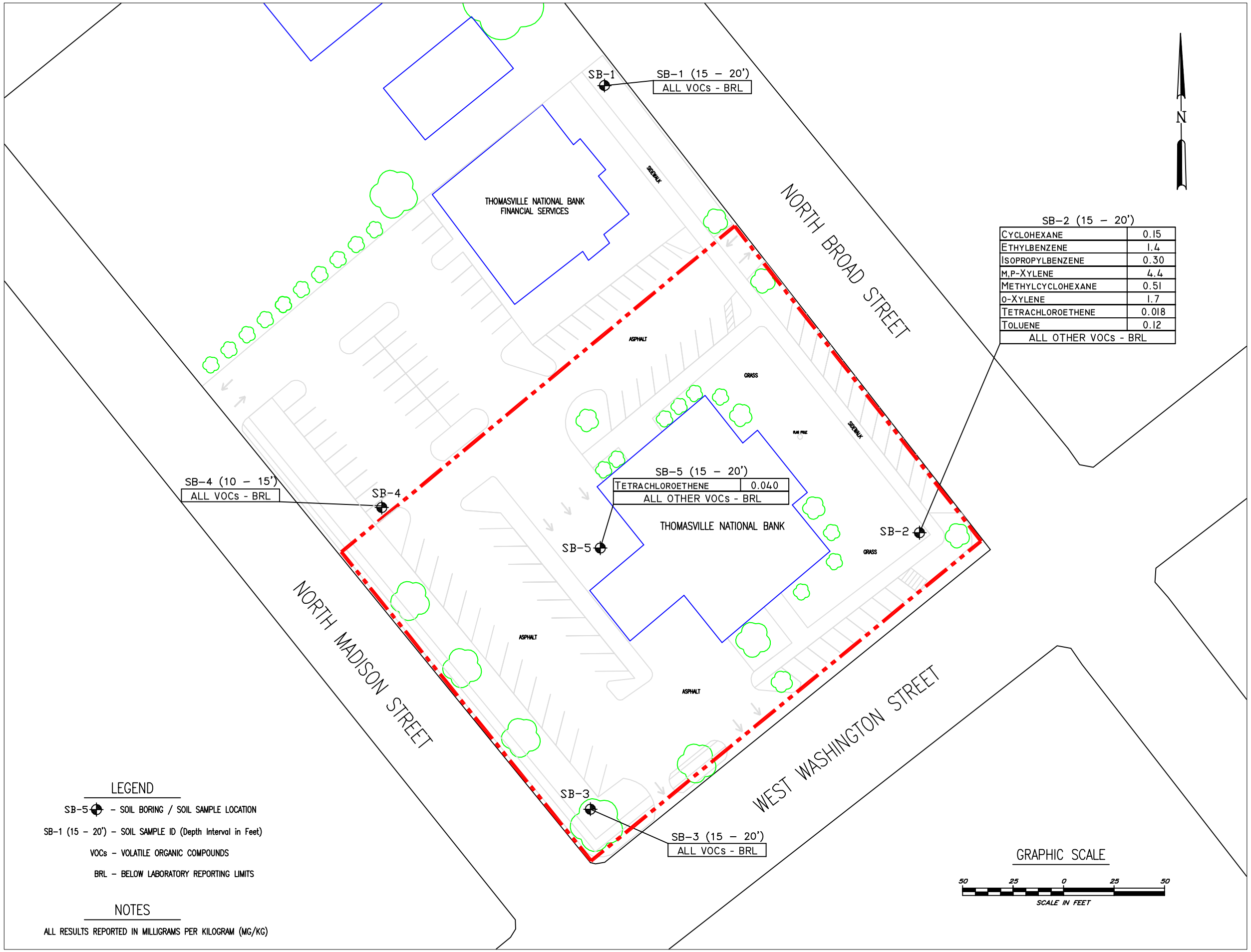
CSM CROSS-SECTION (C - C')

FIGURE NO.
6C
TNB
3151

Pandymer Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 1/14/14
DWN BY JPC
DES BY JPC
CHK BY TAL
APP BY JPCM



LEGEND

SB-5 ⊕ – SOIL BORING / SOIL SAMPLE LOCATION

SB-1 (15 – 20') – SOIL SAMPLE ID (Depth Interval in Feet)

VOCs – VOLATILE ORGANIC COMPOUNDS

BRL – BELOW LABORATORY REPORTING LIMITS

NOTES

ALL RESULTS REPORTED IN MILLIGRAMS PER KILOGRAM (MG/KG)

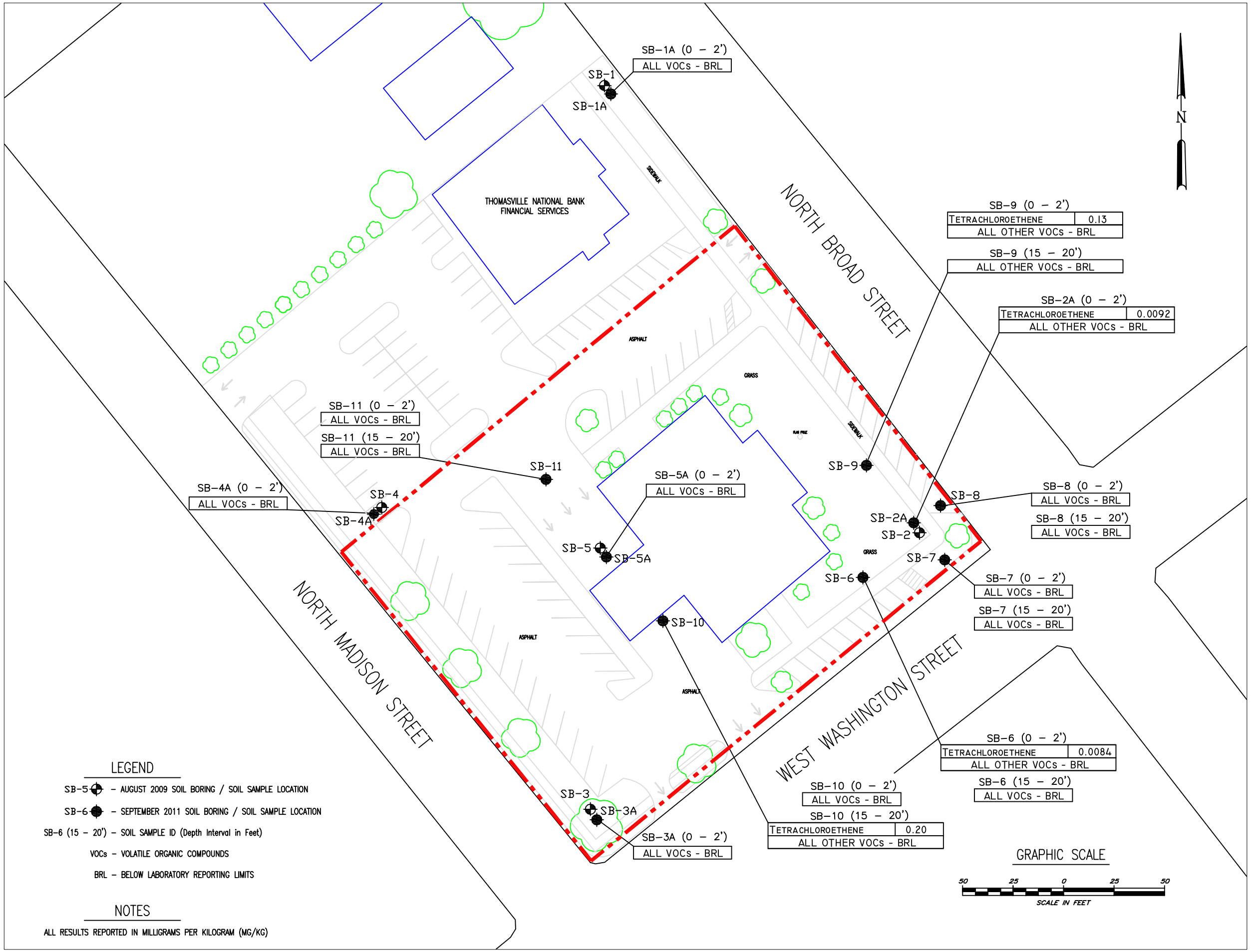
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 1/21/14
DWN BY JPC
DES BY JPC
CHK BY JPM
APP BY CHM

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

SOIL ANALTYICAL RESULTS - AUGUST 2009

FIGURE NO.
7A
THOMASVILLE
3151



REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
	DATE OF ISSUE 1/21/14		DWN BY JPC	DES BY JPC	CHK BY JPM	APP BY JPM

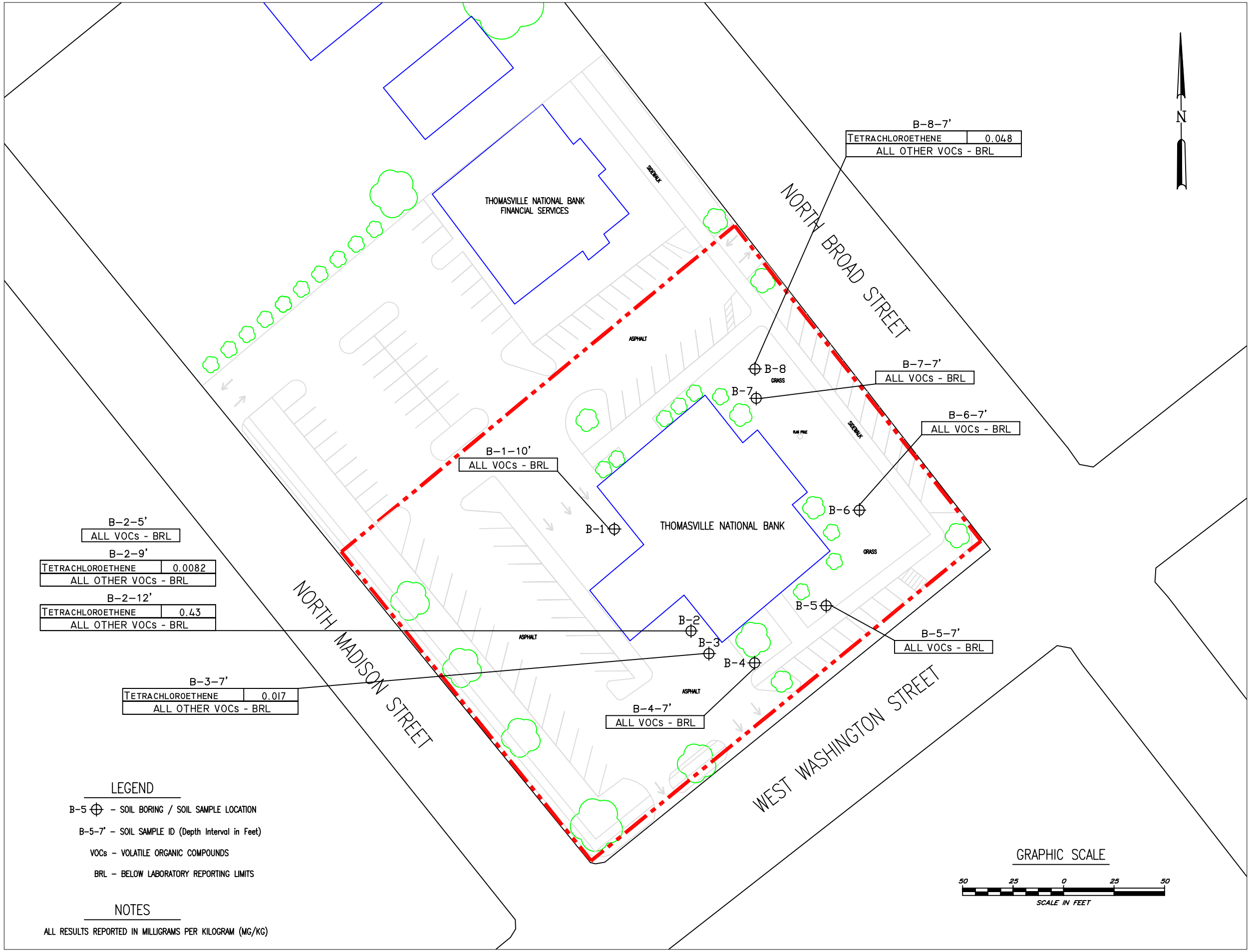
Peachtree Companies, Inc.

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

SOIL ANALTYICAL RESULTS - SEPTEMBER 2011

FIGURE NO. **7B**

THOMASVILLE 3151



REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
	DATE OF ISSUE 1/21/14		DWN BY JPC	DES BY JPC	CHK BY JPM	APP BY CHM

Pathfinder Consultants, Inc.

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

SOIL ANALTYICAL RESULTS - NOVEMBER 2013

FIGURE NO. **8**

THOMASVILLE 3151

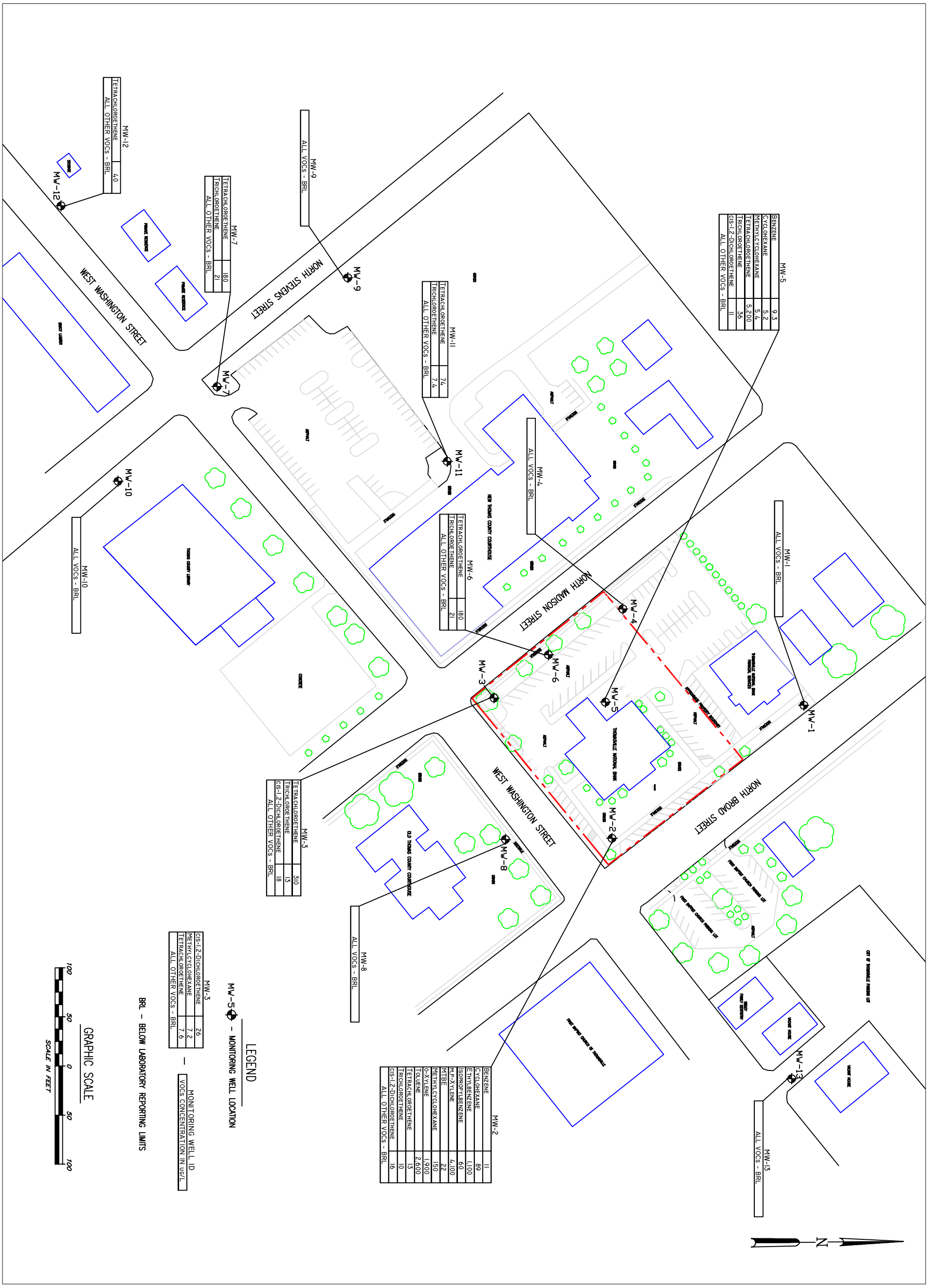


FIGURE NO.
9
THOMASVILLE
3151

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

GROUNDWATER ANALYTICAL RESULTS - NOVEMBER 2013

Peachtree Environmental Inc.

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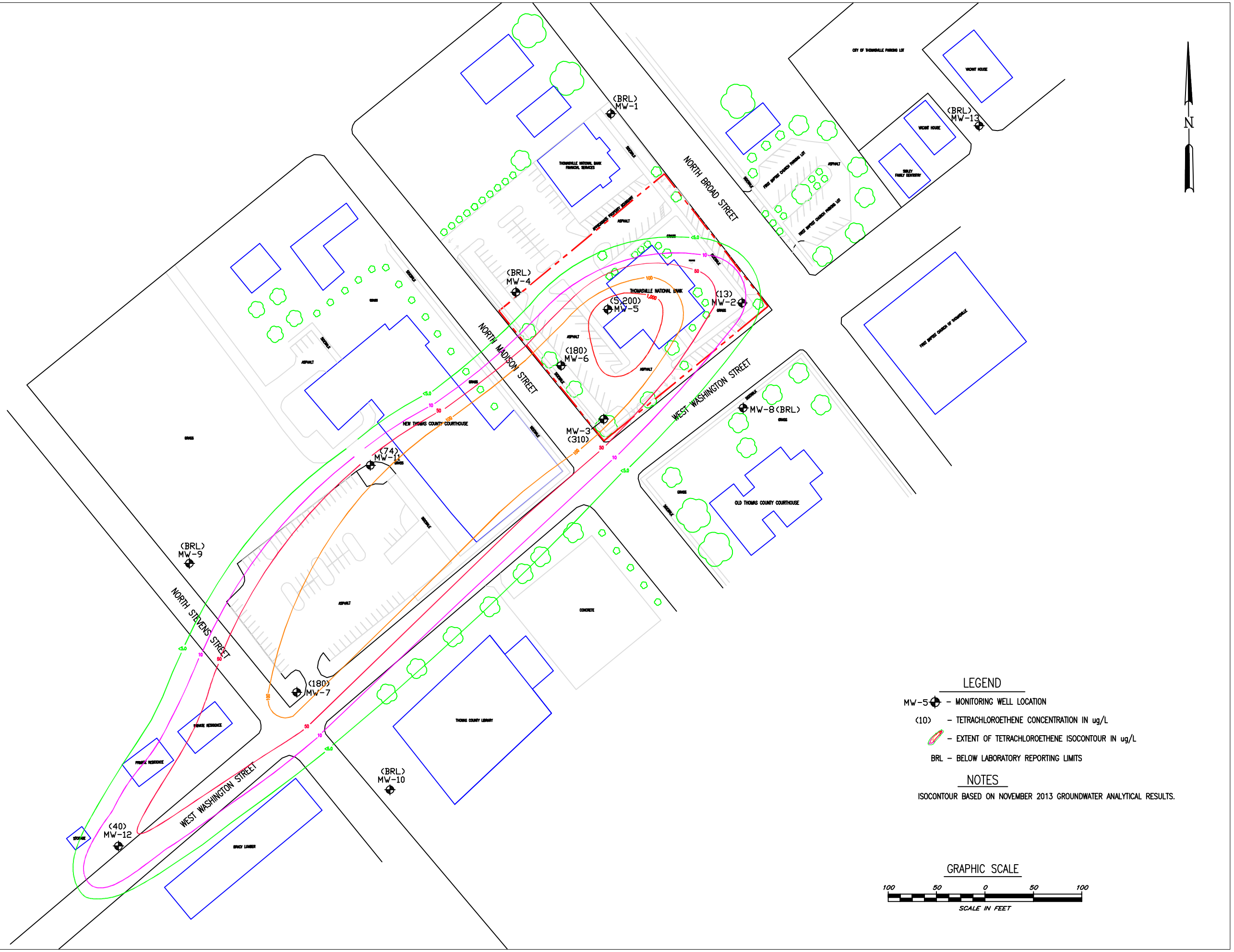
DATE OF ISSUE 1/21/14 DWN BY JPC DES BY JPC CHK BY JPM APP BY CHM



REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
	DATE OF ISSUE 1/21/14		JPC	JPC	JPM	CHM

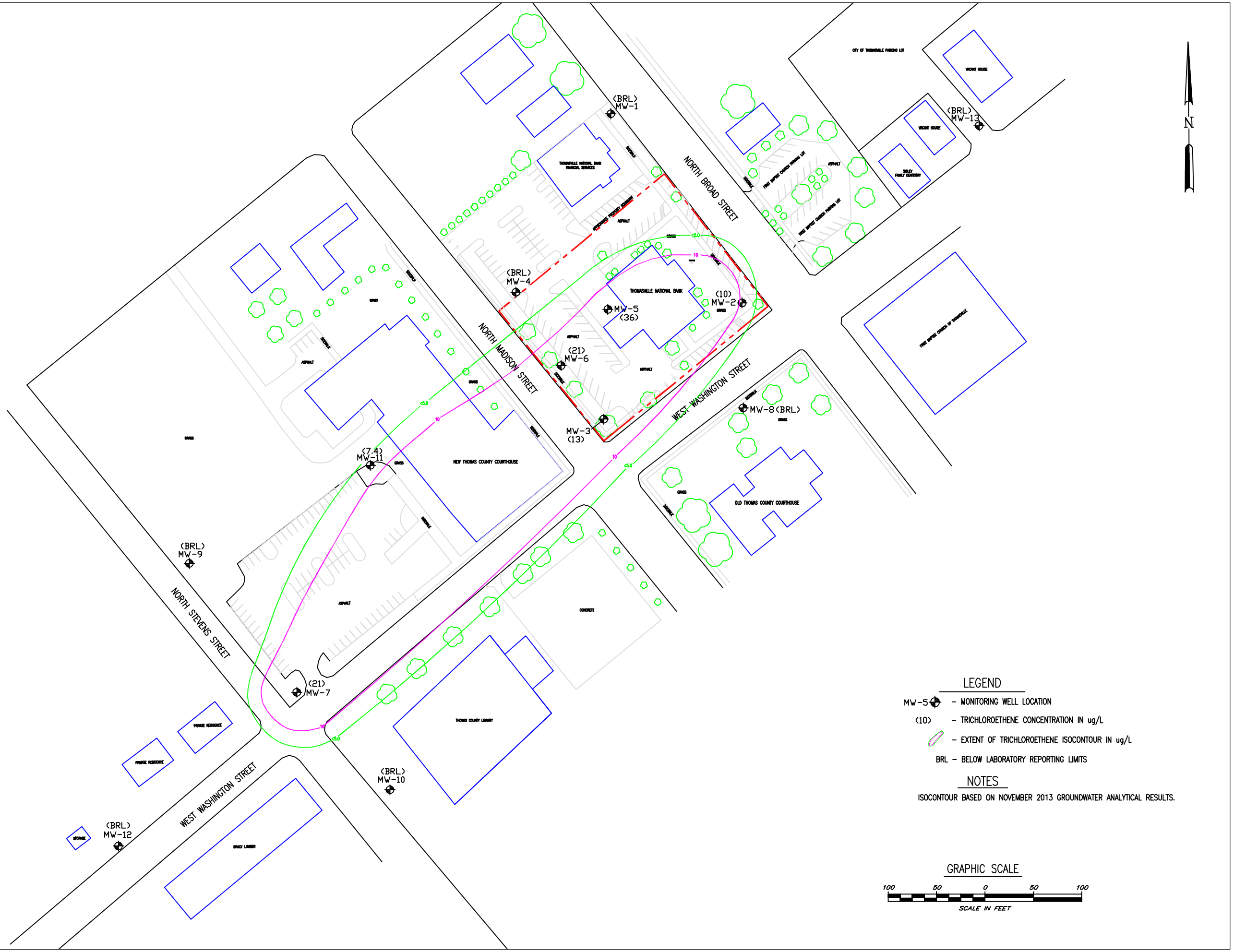
Pearlstine/Salkehatchie, Inc.

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

TETRACHLOROETHENE ISOCONCENTRATION MAP - NOVEMBER 2013

FIGURE NO. **10**

THOMASVILLE 3151



LEGEND

MW-5 – MONITORING WELL LOCATION

(10) – TRICHLOROETHENE CONCENTRATION IN ug/L

– EXTENT OF TRICHLOROETHENE ISOCONTOUR IN ug/L

BRL – BELOW LABORATORY REPORTING LIMITS

NOTES

ISOCONTOUR BASED ON NOVEMBER 2013 GROUNDWATER ANALYTICAL RESULTS.

GRAPHIC SCALE

100 50 0 50 100

SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
	DATE OF ISSUE 1/21/14		DWN BY JPC	DES BY JPC	CHK BY JPC	APP BY CHM

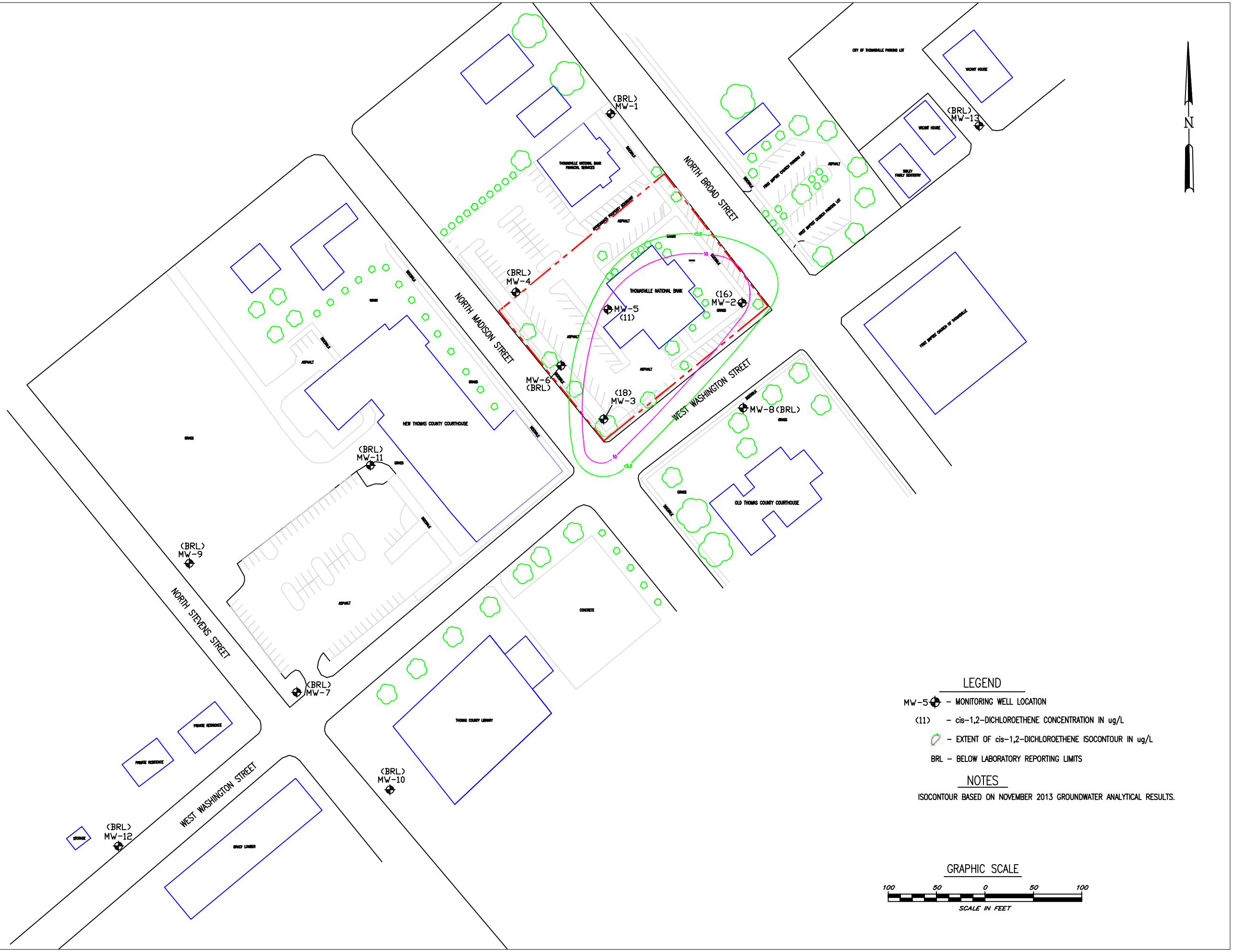
Pearlstine/Salkehatchie, Inc.

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

TRICHLOROETHENE ISOCONCENTRATION MAP - NOVEMBER 2013

FIGURE NO. **11**

THOMASVILLE 3151



LEGEND

MW-5 – MONITORING WELL LOCATION

(11) – cis-1,2-DICHLOROETHENE CONCENTRATION IN ug/L

– EXTENT OF cis-1,2-DICHLOROETHENE ISOCONTOUR IN ug/L

BRL – BELOW LABORATORY REPORTING LIMITS

NOTES

ISOCONTOUR BASED ON NOVEMBER 2013 GROUNDWATER ANALYTICAL RESULTS.

GRAPHIC SCALE

100 50 0 50 100

SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
	DATE OF ISSUE 1/21/14		JPC	JPC	JPM	CHM

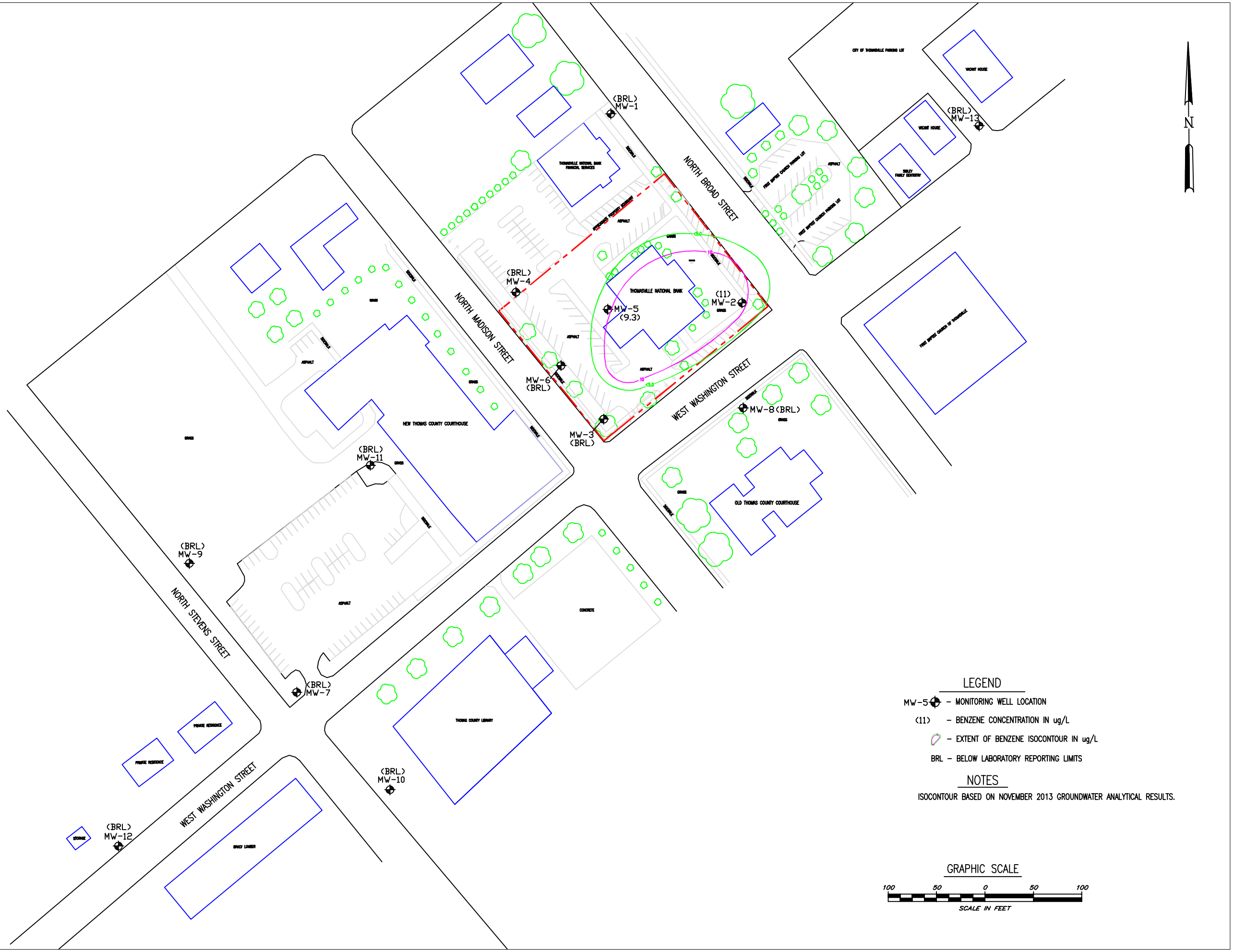
Pearlstine Geospatial, Inc.

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

cis-1,2-DICHLOROETHENE ISOCONCENTRATION MAP - NOVEMBER 2013

FIGURE NO. **12**

THOMASVILLE 3151



LEGEND

MW-5 – MONITORING WELL LOCATION

(11) – BENZENE CONCENTRATION IN ug/L

– EXTENT OF BENZENE ISOCONTOUR IN ug/L

BRL – BELOW LABORATORY REPORTING LIMITS

NOTES

ISOCONTOUR BASED ON NOVEMBER 2013 GROUNDWATER ANALYTICAL RESULTS.

GRAPHIC SCALE

100 50 0 50 100

SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
	DATE OF ISSUE 1/21/14		DWN BY JPC	DES BY JPC	CHK BY JPM	APP BY CHM

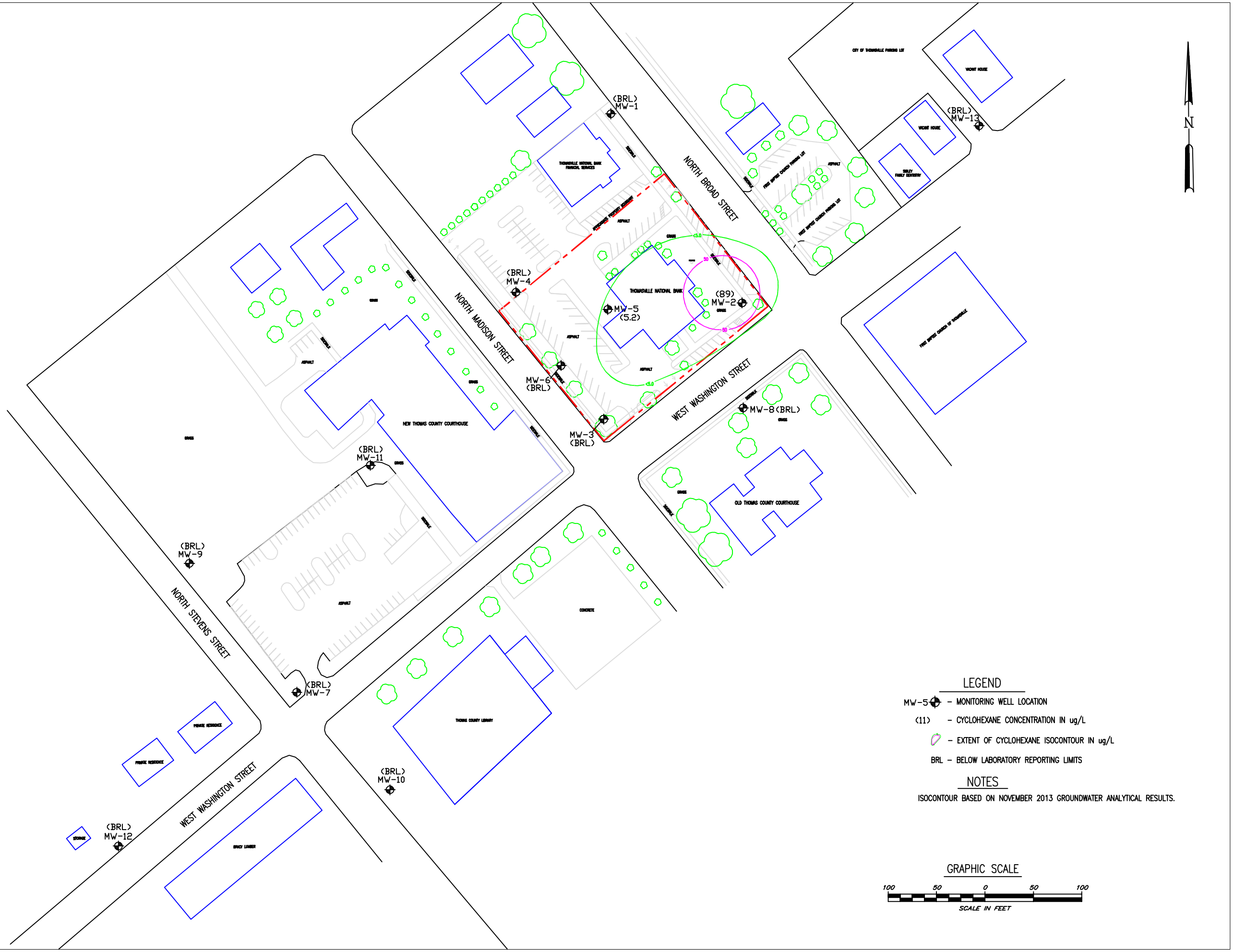
Pearlstine/Salkehatchie, Inc.

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

BENZENE ISOCONCENTRATION MAP - NOVEMBER 2013

FIGURE NO. **13**

THOMASVILLE 3151



LEGEND

MW-5 – MONITORING WELL LOCATION

(11) – CYCLOHEXANE CONCENTRATION IN ug/L

– EXTENT OF CYCLOHEXANE ISOCONTOUR IN ug/L

BRL – BELOW LABORATORY REPORTING LIMITS

NOTES

ISOCONTOUR BASED ON NOVEMBER 2013 GROUNDWATER ANALYTICAL RESULTS.

GRAPHIC SCALE

100 50 0 50 100

SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
	DATE OF ISSUE 1/21/14		DWN BY JPC	DES BY JPC	CHK BY JPM	APP BY CHM

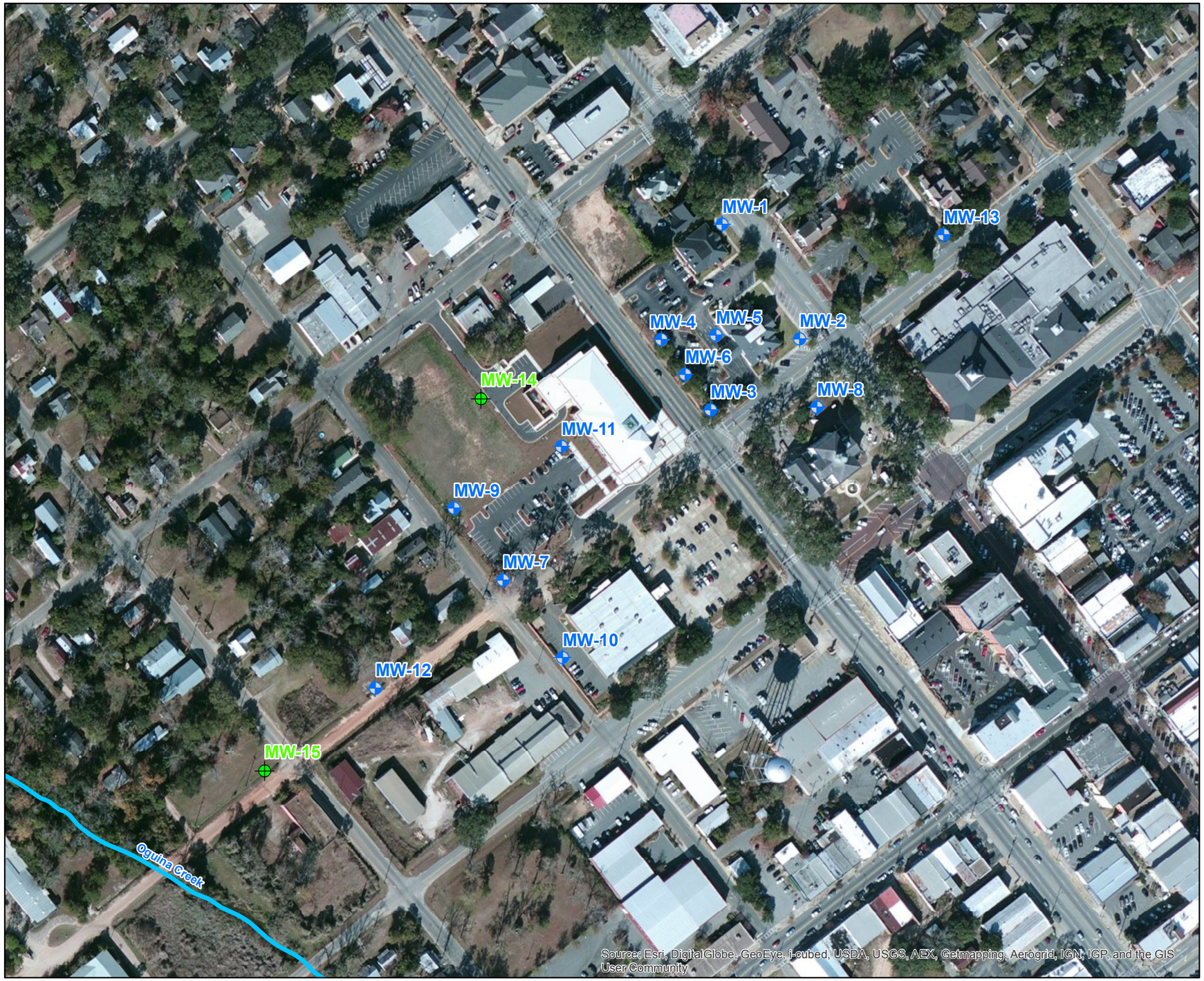
Pearlstine/Salkehatchie, Inc.

THOMASVILLE NATIONAL BANK
301 NORTH BROAD STREET
THOMASVILLE, GEORGIA

CYCLOHEXANE ISOCONCENTRATION MAP - NOVEMBER 2013

FIGURE NO. **14**

THOMASVILLE 3151



Legend

- Proposed Monitoring Wells
- Monitoring Wells
- Oguina Creek

N

0 100 200 400

Feet

1 inch = 200 feet

FIGURE 15
Proposed VRP Wells
TNB
Thomasville, Georgia

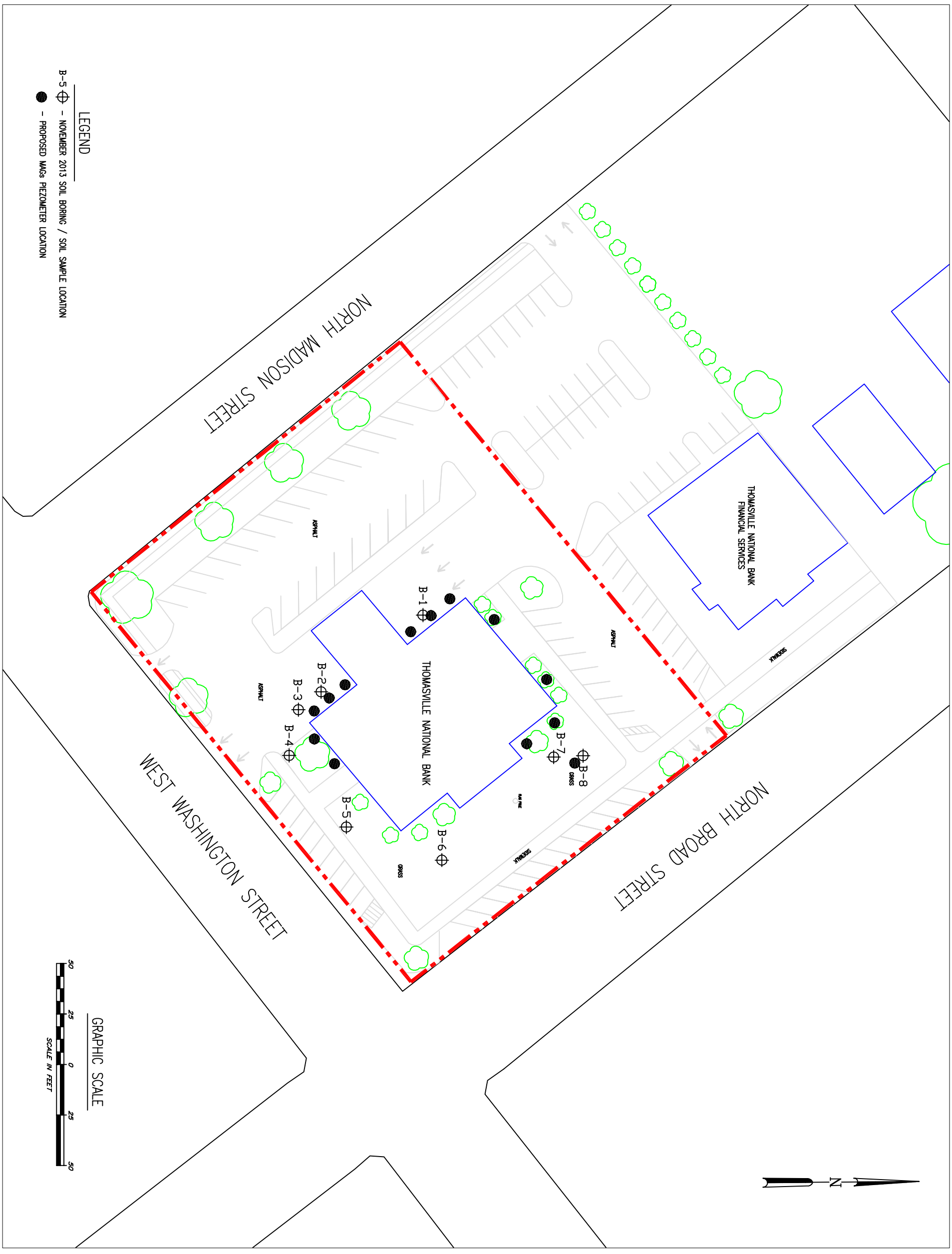


FIGURE NO.	THOMASVILLE NATIONAL BANK 301 NORTH BROAD STREET THOMASVILLE, GEORGIA	Peachtree Geotechnical, Inc.
16 THOMASVILLE 3151	PROPOSED MAGS INVESTIGATION LAYOUT MAP	

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 1/21/14 DWN BY JPC DES BY JPC CHK BY JPM APP BY CHM

TABLES

Thomasville National Bank

301 North Broad Street, Thomasville, Thomas County, Georgia

HSI# 10902

TABLE 1

Summary of Depth to Water Measurements and Monitoring Well Top of Casing Elevations

Well I.D.	Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Water Level Elevation (feet)
MW-1	08/21/09	100.00	24.00	76.00
	09/01/11		27.25	72.75
	06/27/12		27.08	72.92
	06/06/13		25.42	74.58
	11/22/13		24.61	75.39
MW-2	08/21/09	100.00	24.75	75.25
	09/01/11		27.42	72.58
	06/27/12		27.34	72.66
	06/06/13		25.74	74.26
	11/22/13		25.14	74.86
MW-3	08/21/09	98.22	24.11	74.11
	09/01/11		26.61	71.61
	06/27/12		26.49	71.73
	06/06/13		25.00	73.22
	11/22/13		24.37	73.85
MW-4	08/21/09	97.36	23.21	74.15
	09/01/11		25.91	71.45
	06/27/12		25.72	71.64
	06/06/13		24.15	73.21
	11/22/13		23.50	73.86
MW-5	08/21/09	100.40	25.72	74.68
	09/01/11		28.40	72.00
	06/27/12		28.28	72.12
	06/06/13		26.75	73.65
	11/22/13		26.03	74.37
MW-6	06/27/12	97.92	26.20	71.72
	06/06/13		24.75	73.17
	11/22/13		24.07	73.85
MW-7	06/27/12	80.74	12.41	68.33
	06/06/13		11.94	68.80
	11/22/13		12.47	68.27
MW-8	06/27/12	99.90	27.53	72.37
	06/06/13		26.10	73.80
	11/22/13		25.48	74.42
MW-9	11/22/13	81.19	12.71	68.48
MW-10	11/22/13	85.67	18.17	67.50
MW-11	11/22/13	90.65	19.91	70.74
MW-12	11/22/13	65.53	3.57	61.96
MW-13	11/22/13	97.16	21.54	75.62

NOTES:

1. Top of casing elevation for MW-1 assigned an elevation of 100.00 feet above mean sea level and remaining monitoring well top of casing elevations were surveyed relative to MW-1 top of casing elevation by Peachtree Environmental personnel.

Thomasville National Bank

301 North Broad Street, Thomasville, Thomas County, Georgia

HSI# 10902

TABLE 2

August 2009 and September 2011 Soil Analytical Testing Data Summary Table

SAMPLE DESIGNATION	TYPE 1/3 RRS (<2 FT / >2 FT-BGS)	TNB-0809-SB1 (15 - 20')	TNB-0809-SB2 (15 - 20')	TNB-0809-SB3 (15 - 20')	TNB-0809-SB4 (10 - 15')	TNB-0809-SB5 (15 - 20')
SAMPLE DATE		8/20/2009	8/20/2009	8/20/2009	8/21/2009	8/20/2009
ANALYTES	MG/KG	LABORATORY RESULTS (MG/KG)				
TCL Volatile Organics						
1,1,1-Trichloroethane	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
1,1,2,2-Tetrachloroethane	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
1,1,2-Trichloroethane	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
1,1-Dichloroethane	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
1,1-Dichloroethene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
1,2,4-Trichlorobenzene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
1,2-Dibromo-3-chloropropane	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
1,2-Dibromoethane	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
1,2-Dichlorobenzene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
1,2-Dichloroethane	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
1,2-Dichloropropane	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
1,3-Dichlorobenzene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
1,4-Dichlorobenzene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
2-Butanone	NC	<0.069	<0.089	<0.15	<0.083	<0.063
2-Hexanone	NC	<0.014	<0.018	<0.031	<0.017	<0.013
4-Methyl-2-pentanone	NC	<0.014	<0.018	<0.031	<0.017	<0.013
Acetone	NC	<0.14	<0.18	<0.31	<0.17	<0.13
Benzene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Bromodichloromethane	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Bromoform	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Bromomethane	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Carbon disulfide	NC	<0.014	<0.018	<0.031	<0.017	<0.013
Carbon tetrachloride	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Chlorobenzene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Chloroethane	NC	<0.014	<0.018	<0.031	<0.017	<0.013
Chloroform	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Chloromethane	NC	<0.014	<0.018	<0.031	<0.017	<0.013
cis-1,2-Dichloroethene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
cis-1,3-Dichloropropene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Cyclohexane	**20 / 20**	<0.0069	**0.15**	<0.015	<0.0083	<0.0063
Dibromochloromethane	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Dichlorodifluoromethane	NC	<0.014	<0.018	<0.031	<0.017	<0.013
Ethylbenzene	**70 / 70**	<0.0069	**1.4**	<0.015	<0.0083	<0.0063
Freon-113	NC	<0.014	<0.018	<0.031	<0.017	<0.013
Isopropylbenzene	**21.88 / 21.88**	<0.0069	**0.30**	<0.015	<0.0083	<0.0063
m,p-Xylene	**1,000 / 1,000**	<0.014	**4.4**	<0.031	<0.017	<0.013
Methyl acetate	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Methyl tert-butyl ether	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Methylcyclohexane	NR	<0.0069	**0.51**	<0.015	<0.0083	<0.0063
Methylene chloride	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
o-Xylene	**1,000 / 1,000**	<0.0069	**1.7**	<0.015	<0.0083	<0.0063
Styrene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Tetrachloroethene	**0.5 / 0.5**	<0.0069	**0.018**	<0.015	<0.0083	**0.040**
Toluene	**100 / 100**	<0.0069	**0.12**	<0.015	<0.0083	<0.0063
trans-1,2-Dichloroethene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
trans-1,3-Dichloropropene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Trichloroethene	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Trichlorofluoromethane	NC	<0.0069	<0.0089	<0.015	<0.0083	<0.0063
Vinyl chloride	NC	<0.014	<0.018	<0.031	<0.017	<0.013

NOTES:

Bolded numbers denote concetrations above laboratory detection limits

Bolded and bracketed numbers denote concentrations above Type 3 RRS

NC - Type 1/3 RRS were not calculated for analyte (Analyte was not detected above laboratory detection limits)

NR - Not Regulated, Compound not regulated by HSRA

Thomasville National Bank

301 North Broad Street, Thomasville, Thomas County, Georgia

HSI# 10902

TABLE 2

August 2009 and September 2011 Soil Analytical Testing Data Summary Table

SAMPLE DESIGNATION	TYPE 1/3 RRS (<2 FT / >2 FT-BGS)	TNB-0911-SB6 (0 - 2')	TNB-0809-SB6 (15 - 20')	TNB-0911-SB7 (0 - 2')	TNB-0809-SB7 (15 - 20')	TNB-0911-SB8 (0 - 2')	TNB-0809-SB8 (15 - 20')
SAMPLE DATE		9/1/2011	9/1/2011	9/1/2011	8/20/2009	9/1/2011	8/20/2009
ANALYTES	MG/KG	LABORATORY RESULTS (MG/KG)					
TCL Volatile Organics							
1,1,1-Trichloroethane	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
1,1,2,2-Tetrachloroethane	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
1,1,2-Trichloroethane	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
1,1-Dichloroethane	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
1,1-Dichloroethene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
1,2,4-Trichlorobenzene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
1,2-Dibromo-3-chloropropane	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
1,2-Dibromoethane	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
1,2-Dichlorobenzene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
1,2-Dichloroethane	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
1,2-Dichloropropane	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
1,3-Dichlorobenzene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
1,4-Dichlorobenzene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
2-Butanone	NC	<0.061	<0.069	<0.074	<0.081	<0.070	<0.071
2-Hexanone	NC	<0.012	<0.014	<0.015	<0.016	<0.014	<0.014
4-Methyl-2-pentanone	NC	<0.012	<0.014	<0.015	<0.016	<0.014	<0.014
Acetone	NC	<0.12	<0.14	<0.15	<0.16	<0.14	<0.14
Benzene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Bromodichloromethane	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Bromoform	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Bromomethane	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Carbon disulfide	NC	<0.012	<0.014	<0.015	<0.016	<0.014	<0.014
Carbon tetrachloride	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Chlorobenzene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Chloroethane	NC	<0.012	<0.014	<0.015	<0.016	<0.014	<0.014
Chloroform	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Chloromethane	NC	<0.012	<0.014	<0.015	<0.016	<0.014	<0.014
cis-1,2-Dichloroethene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
cis-1,3-Dichloropropene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Cyclohexane	**20 / 20**	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Dibromochloromethane	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Dichlorodifluoromethane	NC	<0.012	<0.014	<0.015	<0.016	<0.014	<0.014
Ethylbenzene	**70 / 70**	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Freon-113	NC	<0.012	<0.014	<0.015	<0.016	<0.014	<0.014
Isopropylbenzene	**21.88 / 21.88**	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
m,p-Xylene	**1,000 / 1,000**	<0.012	<0.014	<0.015	<0.016	<0.014	<0.014
Methyl acetate	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Methyl tert-butyl ether	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Methylcyclohexane	NR	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Methylene chloride	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
o-Xylene	**1,000 / 1,000**	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Styrene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Tetrachloroethene	**0.5 / 0.5**	**0.0084**	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Toluene	**100 / 100**	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
trans-1,2-Dichloroethene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
trans-1,3-Dichloropropene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Trichloroethene	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Trichlorofluoromethane	NC	<0.0061	<0.0069	<0.0074	<0.0081	<0.0070	<0.0071
Vinyl chloride	NC	<0.012	<0.014	<0.015	<0.016	<0.014	<0.014

NOTES:

Bolded numbers denote concetrations above laboratory detection limits

Bolded and bracketed numbers denote concentrations above Type 3 RRS

NC - Type 1/3 RRS were not calculated for analyte (Analyte was not detected above laboratory detection limits)

NR - Not Regulated, Compound not regulated by HSRA

Thomasville National Bank

301 North Broad Street, Thomasville, Thomas County, Georgia

HSI# 10902

TABLE 2

August 2009 and September 2011 Soil Analytical Testing Data Summary Table

SAMPLE DESIGNATION	TYPE 1/3 RRS (<2 FT / >2 FT-BGS)	TNB-0911-SB9 (0 - 2')	TNB-0809-SB9 (15 - 20')	TNB-0911-SB10 (0 - 2')	TNB-0809-SB10 (15 - 20')	TNB-0911-SB11 (0 - 2')	TNB-0809-SB11 (15 - 20')
SAMPLE DATE		9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011
ANALYTES	MG/KG	LABORATORY RESULTS (MG/KG)					
TCL Volatile Organics							
1,1,1-Trichloroethane	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
1,1,2,2-Tetrachloroethane	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
1,1,2-Trichloroethane	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0074	<0.0089
1,1-Dichloroethane	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
1,1-Dichloroethene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
1,2,4-Trichlorobenzene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
1,2-Dibromo-3-chloropropane	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
1,2-Dibromoethane	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
1,2-Dichlorobenzene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
1,2-Dichloroethane	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
1,2-Dichloropropane	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
1,3-Dichlorobenzene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
1,4-Dichlorobenzene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
2-Butanone	NC	<0.063	<0.084	<0.064	<0.080	<0.073	<0.089
2-Hexanone	NC	<0.013	<0.017	<0.013	<0.016	<0.015	<0.018
4-Methyl-2-pentanone	NC	<0.013	<0.017	<0.013	<0.016	<0.015	<0.018
Acetone	NC	<0.13	<0.17	<0.13	<0.16	<0.15	<0.18
Benzene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Bromodichloromethane	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Bromoform	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Bromomethane	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Carbon disulfide	NC	<0.013	<0.017	<0.013	<0.016	<0.015	<0.018
Carbon tetrachloride	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Chlorobenzene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Chloroethane	NC	<0.013	<0.017	<0.013	<0.016	<0.015	<0.018
Chloroform	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Chloromethane	NC	<0.013	<0.017	<0.013	<0.016	<0.015	<0.018
cis-1,2-Dichloroethene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
cis-1,3-Dichloropropene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Cyclohexane	**20 / 20**	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Dibromochloromethane	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Dichlorodifluoromethane	NC	<0.013	<0.017	<0.013	<0.016	<0.015	<0.018
Ethylbenzene	**70 / 70**	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Freon-113	NC	<0.013	<0.017	<0.013	<0.016	<0.015	<0.018
Isopropylbenzene	**21.88 / 21.88**	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
m,p-Xylene	**1,000 / 1,000**	<0.013	<0.017	<0.013	<0.016	<0.015	<0.018
Methyl acetate	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Methyl tert-butyl ether	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Methylcyclohexane	NR	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Methylene chloride	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
o-Xylene	**1,000 / 1,000**	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Styrene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Tetrachloroethene	**0.5 / 0.5**	**0.13**	<0.0084	<0.0064	**0.20**	<0.0073	<0.0089
Toluene	**100 / 100**	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
trans-1,2-Dichloroethene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
trans-1,3-Dichloropropene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Trichloroethene	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Trichlorofluoromethane	NC	<0.0063	<0.0084	<0.0064	<0.0080	<0.0073	<0.0089
Vinyl chloride	NC	<0.013	<0.017	<0.013	<0.016	<0.015	<0.018

NOTES:

Bolded numbers denote concetrations above laboratory detection limits

Bolded and bracketed numbers denote concentrations above Type 3 RRS

NC - Type 1/3 RRS were not calculated for analyte (Analyte was not detected above laboratory detection limits)

NR - Not Regulated, Compound not regulated by HSRA

Thomasville National Bank

301 North Broad Street, Thomasville, Thomas County, Georgia

HSI# 10902

TABLE 3

November 2013 Soil Analytical Testing Data Summary Table

SAMPLE DESIGNATION	TYPE 1/3 RRS (<2 FT / >2 FT-BGS)	TNB-1113-B-1-10'	TNB-1113-B-2-5'	TNB-1113-B-2-9'	TNB-1113-B-2-12'	TNB-1113-B-3-7'	TNB-1113-B-4-7'	TNB-1113-B-5-7'	TNB-1113-B-6-7'	TNB-1113-B-7-7'	TNB-1113-B-8-7'
SAMPLE DATE		11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013	11/21/2013
ANALYTES	MG/KG	LABORATORY RESULTS (MG/KG)									
TCL Volatile Organics											
1,1,1-Trichloroethane	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
1,1,2,2-Tetrachloroethane	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
1,1,2-Trichloroethane	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
1,1-Dichloroethane	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
1,1-Dichloroethene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
1,2,4-Trichlorobenzene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
1,2-Dibromo-3-chloropropane	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
1,2-Dibromoethane	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
1,2-Dichlorobenzene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
1,2-Dichloroethane	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
1,2-Dichloropropane	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
1,3-Dichlorobenzene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
1,4-Dichlorobenzene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
2-Butanone	NC	<0.042	<0.073	<0.073	<0.035	<0.045	<0.039	<0.043	<0.044	<0.041	<0.035
2-Hexanone	NC	<0.0085	<0.015	<0.015	<0.0070	<0.0089	<0.0078	<0.0085	<0.0089	<0.0081	<0.0070
4-Methyl-2-pentanone	NC	<0.0085	<0.015	<0.015	<0.0070	<0.0089	<0.0078	<0.0085	<0.0089	<0.0081	<0.0070
Acetone	NC	<0.085	<0.15	<0.15	<0.070	<0.089	<0.078	<0.085	<0.089	<0.081	<0.070
Benzene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Bromodichloromethane	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Bromoform	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Bromomethane	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Carbon disulfide	NC	<0.0085	<0.015	<0.015	<0.0070	<0.0089	<0.0078	<0.0085	<0.0089	<0.0081	<0.0070
Carbon tetrachloride	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Chlorobenzene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Chloroethane	NC	<0.0085	<0.015	<0.015	<0.0070	<0.0089	<0.0078	<0.0085	<0.0089	<0.0081	<0.0070
Chloroform	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Chloromethane	NC	<0.0085	<0.015	<0.015	<0.0070	<0.0089	<0.0078	<0.0085	<0.0089	<0.0081	<0.0070
cis-1,2-Dichloroethene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
cis-1,3-Dichloropropene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Cyclohexane	**20 / 20**	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Dibromochloromethane	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Dichlorodifluoromethane	NC	<0.0085	<0.015	<0.015	<0.0070	<0.0089	<0.0078	<0.0085	<0.0089	<0.0081	<0.0070
Ethylbenzene	**70 / 70**	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Freon-113	NC	<0.0085	<0.015	<0.015	<0.0070	<0.0089	<0.0078	<0.0085	<0.0089	<0.0081	<0.0070
Isopropylbenzene	**21.88 / 21.88**	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
m,p-Xylene	**1,000 / 1,000**	<0.0085	<0.015	<0.015	<0.0070	<0.0089	<0.0078	<0.0085	<0.0089	<0.0081	<0.0070
Methyl acetate	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Methyl tert-butyl ether	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Methylcyclohexane	NR	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Methylene chloride	NC	<0.017	<0.029	<0.029	<0.014	<0.018	<0.016	<0.017	<0.018	<0.016	<0.014
o-Xylene	**1,000 / 1,000**	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Styrene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Tetrachloroethene	**0.5 / 0.5**	<0.0042	<0.0073	<0.0073	**0.43**	**0.017**	<0.0039	<0.0043	<0.0044	<0.0041	**0.048**
Toluene	**100 / 100**	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
trans-1,2-Dichloroethene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
trans-1,3-Dichloropropene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Trichloroethene	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Trichlorofluoromethane	NC	<0.0042	<0.0073	<0.0073	<0.0035	<0.0045	<0.0039	<0.0043	<0.0044	<0.0041	<0.0035
Vinyl chloride	NC	<0.0085	<0.015	<0.015	<0.0070	<0.0089	<0.0078	<0.0085	<0.0089	<0.0081	<0.0070

NOTES:

Bolded numbers denote concetrations above laboratory detection limits

Bolded and bracketed numbers denote concentrations above Type 3 RRS

NC - Type 1/3 RRS were not calculated for analyte (Analyte was not detected above laboratory detection limits)

NR - Not Regulated, Compound not regulated by HSRA

Thomasville National Bank

301 North Broad Street, Thomasville, Thomas County, Georgia

HS# 10902

TABLE 4

Groundwater Analytical Testing Data Summary Table

SAMPLE DESIGNATION	TYPE 1/3 RRS	MW-1					MW-2					MW-3					MW-4				
SAMPLE DATE		8/20/2009	9/1/2011	6/28/2012	6/6/2013	11/20/2013	8/20/2009	9/1/2011	6/28/2012	6/6/2013	11/20/2013	8/20/2009	9/1/2011	6/27/2012	6/7/2013	11/21/2013	8/21/2009	9/1/2011	6/27/2012	6/6/2013	11/21/2013
ANALYTES	ug/L	LABORATORY RESULTS (ug/L)																			
TCL Volatile Organics																					
1,1,1-Trichloroethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichlorobenzene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Hexanone	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
4-Methyl-2-pentanone	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetone	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	5	<5.0	<5.0	<5.0	<5.0	<5.0	**15**	**12**	**8.8**	**6.6**	**11**	<5.0	**13**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon disulfide	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Chloroform	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
cis-1,2-Dichloroethene	5	<5.0	<5.0	<5.0	<5.0	<5.0	**12**	**10**	**17**	**9.9**	**16**	**15**	**140**	**26**	<5.0	**18**	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cyclohexane	5	<5.0	<5.0	<5.0	<5.0	<5.0	**130**	**190**	**47**	**67**	**89**	<5.0	**13**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichlorodifluoromethane	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Ethylbenzene	1,000	<5.0	<5.0	<5.0	<5.0	<5.0	**500**	**740**	**280**	**490**	**1,100**	<5.0	**62**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Freon-113	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Isopropylbenzene	5	<5.0	<5.0	<5.0	<5.0	<5.0	**41**	**77**	**36**	**65**	**60**	<5.0	**20**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
m,p-Xylene	10,000	<10.0	<10.0	<10.0	<10.0	<10.0	**1,700**	**2,800**	**1,000**	**1,800**	**4,100**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Methyl acetate	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	NR	<5.0	<5.0	<5.0	<5.0	<5.0	**90**	**23**	**12**	**25**	**22**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methylcyclohexane	NR	<5.0	<5.0	<5.0	<5.0	<5.0	**190**	**190**	**52**	**100**	**150**	<5.0	**16**	**7.2**	**<5.0**	**<5.0**	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene chloride	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
o-Xylene	10,000	<5.0	<5.0	<5.0	<5.0	<5.0	**730**	**1,100**	**440**	**680**	**1,900**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	5	<5.0	<5.0	<5.0	<5.0	<5.0	**19**	**18**	**5.1**	**14**	**13**	**60**	**10**	**7.6**	**76**	**310**	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	1,000	<5.0	<5.0	<5.0	<5.0	<5.0	**1,600**	**1,400**	**620**	**1,000**	**2,600**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	5	<5.0	<5.0	<5.0	<5.0	<5.0	**12**	**10**	<5.0	**5.2**	**10**	**15**	**5**	<5.0	<5.0	**13**	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	ND	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

NOTES:

Bolded numbers denote concetrations above laboratory detection limits.

Bolded and bracketed numbers denote concentrations above Type 3 RRS.

DUP Sample collected from MW-5 in November 2013.

Thomasville National Bank

301 North Broad Street, Thomasville, Thomas County, Georgia

HS# 10902

TABLE 4

Groundwater Analytical Testing Data Summary Table

SAMPLE DESIGNATION	TYPE 1/3 RRS	MW-5					MW-6			MW-7			MW-8			MW-9	MW-10	MW-11	MW-12	MW-13
SAMPLE DATE		8/20/2009	9/1/2011	6/28/2012	6/7/2013	11/21/2013	6/27/2012	6/7/2013	11/21/2013	6/29/2012	6/7/2013	11/21/2013	6/29/2012	6/6/2013	11/21/2013	11/20/2013	11/20/2013	11/20/2013	11/22/2013	11/22/2013
ANALYTES	ug/L	LABORATORY RESULTS (ug/L)																		
TCL Volatile Organics																				
1,1,1-Trichloroethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,3-Dichlorobenzene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Hexanone	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
4-Methyl-2-pentanone	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acetone	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	5	**22**	**14**	**20**	**7.9**	**9.3**	**33**	**15**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon disulfide	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Chloroform	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
cis-1,2-Dichloroethene	5	**23**	**9.5**	**30**	**16**	**11**	**44**	**56**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cyclohexane	5	**73**	<5.0	<5.0	<5.0	**5.2**	<5.0	**6.9**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichlorodifluoromethane	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Ethylbenzene	1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Freon-113	ND	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Isopropylbenzene	5	**9.6**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
m,p-Xylene	10,000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Methyl acetate	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	NR	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methylcyclohexane	NR	**110**	**9.1**	<5.0	<5.0	**5.4**	**6.3**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene chloride	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
o-Xylene	10,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	5	**480**	**170**	**34**	**990**	**5,200**	**340**	**660**	**180**	**150**	**280**	**180**	<5.0	<5.0	<5.0	<5.0	<5.0	**74**	**40**	<5.0
Toluene	1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	5	**30**	**6.8**	**11**	**53**	**36**	**67**	**100**	**21**	**22**	**47**	**21**	<5.0	<5.0	<5.0	<5.0	<5.0	**7.4**	<5.0	<5.0
Trichlorofluoromethane	ND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	ND	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

NOTES:

Bolded numbers denote concetrations above laboratory detection limits.

Bolded and bracketed numbers denote concentrations above Type 3 RRS.

DUP Sample collected from MW-6 in June 2013.

Thomasville National Bank

301 North Broad Street, Thomasville, Thomas County, Georgia

HSI# 10902

TABLE 5

Summary of Field Readings and Monitored Natural Attenuation Parameter Analytical Testing Results

Well Number / Sample ID	Date	pH	Temperature (°C)	Dissolved Oxygen (g/L)	Oxidation-Reduction Potential (mV)	Conductivity (ms/cm)	Ethane	Ethene	Methane	Total Organic Carbon	Iron II	Chloride	Nitrate	Sulfate	Sulfide
		FIELD-MEASURED PARAMETERS					LABORATORY ANALYTICAL RESULTS (mg/L)								
Optimal MNA Range		**5 to 9**	**>20**	**<0.5**	**<50**	**NA**	**>0.1**	**>0.1**	**>0.5**	**>20**	**>1**	**<1**	**<1**	**<20**	**>1**
MW-1	11/20/2013	4.70	23.00	2.77	235	0.066	<0.009	<0.007	5	<1.00	0	15	0.56	2.9	NA
MW-2	9/1/2011	6.16	27.02	0.18	-65	0.275	<0.009	<0.007	1,800	10.7	24.4	NA	<0.25	<1.0	NA
	6/28/2012	5.85	27.19	1.32	-67	0.303	<0.009	<0.007	290	<1.00	<0.100	21	<0.25	<1.0	<2.00
	6/6/2013	5.77	23.99	0.00	-67	0.161	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/20/2013	5.83	23.35	0.00	-54	0.138	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	9/1/2011	5.95	28.49	2.49	35	0.250	<0.009	<0.007	130	<5.0	4.20	NA	<0.25	<1.0	NA
	6/27/2012	5.58	27.92	0.91	177	0.285	<0.009	<0.007	190	1.53	<0.100	17	<0.25	22	<2.00
	6/7/2013	5.32	22.90	0.59	270	0.172	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/21/2013	4.89	23.96	0.00	197	0.124	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	9/1/2011	5.00	26.40	0.00	182	0.105	<0.009	<0.007	130	1.64	4.11	NA	<0.25	18	NA
	6/28/2012	4.56	26.62	2.56	450	0.131	<0.009	<0.007	16	1.60	0.686	13	0.83	22	<2.00
	6/7/2013	4.79	23.56	0.00	208	0.181	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/21/2013	4.88	24.30	0.00	138	0.137	<0.009	<0.007	41	<1.00	4.0	19	2.6	33	NA
MW-6	6/27/2012	5.73	30.53	5.03	135	0.260	<0.009	<0.007	<0.004	2.06	1.77	15	<0.25	55	<2.00
	6/7/2013	5.78	23.93	2.25	46	0.252	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/21/2013	5.50	23.82	2.01	39	0.195	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	11/21/2013	4.81	24.30	1.60	263	0.061	<0.009	<0.007	<0.004	<1.00	0.00	14	0.64	1.3	NA
MW-12	11/22/2013	5.03	24.01	1.57	221	0.156	<0.009	<0.007	30	<1.00	0.00	12	0.84	42	NA
2013 SOURCE AREA RESULTS		4.88	24.3	0	138	0.137	<0.009	<0.007	41	<1.00	4.0	19	2.6	33	NA
2013 DOWNGRADIENT AREA RESULTS AVERAGE		5.06	24.02	1.30	180.00	0.13	<0.009	<0.007	15	<1.00	0.00	13	0.74	21.65	NA

NOTES:

1) NA - Not Applicable and/or Not Analyzed.
2) Results from MW-1 are indicative of background conditions
3) Source area includes MW-5
4) Downgradient of source area average includes MW-3, MW-6, MW-7 and MW-12
5) Iron II was measured using field test kits in November 2013

APPENDIX A

NOVEMBER 2013 - SOIL LABORATORY ANALYTICAL REPORT

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

December 03, 2013

John Martiniere
Peachtree Environmental
3000 Northwoods Parkway, Suite 105
Norcross GA 30071

TEL: (770) 449-6100
FAX: (770) 449-6119

RE: Thomasville National Bank

Dear John Martiniere: Order No: 1311I96

Analytical Environmental Services, Inc. received 10 samples on 11/22/2013 3:40:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/13-06/30/14.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Dorothy deBruyn
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1311396

Date: 11/21/13 Page 1 of 1

COMPANY: PEACHTREE ENVIRONMENTAL

ADDRESS: 3000 NORTHWOODS PKWY. Suite 105 NORCROSS, GA 30071

PHONE: 770-449-6100

FAX: 770-449-6119

SAMPLED BY: Jason Chappell / Thom Lawrence

SIGNATURE:

ANALYSIS REQUESTED: 8260

PRESERVATION (See codes): S/M+I

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260 S/M+I	REMARKS	No # of Containers
1	TNB-1113-B-1-10'	11/21/13	800	✓		SO	✓		4
2	TNB-1113-B-2-12'		820	✓		SO	✓		4
3	TNB-1113-B-3-7'		835	✓		SO	✓		4
4	TNB-1113-B-4-7'		850	✓		SO	✓		4
5	TNB-1113-B-5-7'		910	✓		SO	✓		4
6	TNB-1113-B-6-7'		925	✓		SO	✓		4
7	TNB-1113-B-7-7'		945	✓		SO	✓		4
8	TNB-1113-B-8-7'		1000	✓		SO	✓		4
9	TNB-1113-B-2-5'		810	✓		SO	✓		4
10	TNB-1113-B-2-9'		815	✓		SO	✓		4
11									
12									
13									
14									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	1540 11-22-13	1: 11/22/13	3:40
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: Thomasville National Bank
PROJECT #: 3151
SITE ADDRESS: Thomasville, Georgia
SEND REPORT TO: Jason Chappell
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers

Turnaround Time Request
- ● Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-1-10'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 8:00:00 AM
Lab ID:	1311I96-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
1,1,2,2-Tetrachloroethane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
1,1,2-Trichloroethane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
1,1-Dichloroethane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
1,1-Dichloroethene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
1,2,4-Trichlorobenzene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
1,2-Dibromo-3-chloropropane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
1,2-Dibromoethane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
1,2-Dichlorobenzene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
1,2-Dichloroethane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
1,2-Dichloropropane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
1,3-Dichlorobenzene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
1,4-Dichlorobenzene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
2-Butanone	BRL	0.042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
2-Hexanone	BRL	0.0085		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
4-Methyl-2-pentanone	BRL	0.0085		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Acetone	BRL	0.085		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Benzene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Bromodichloromethane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Bromoform	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Bromomethane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Carbon disulfide	BRL	0.0085		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Carbon tetrachloride	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Chlorobenzene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Chloroethane	BRL	0.0085		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Chloroform	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Chloromethane	BRL	0.0085		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
cis-1,2-Dichloroethene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
cis-1,3-Dichloropropene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Cyclohexane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Dibromochloromethane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Dichlorodifluoromethane	BRL	0.0085		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Ethylbenzene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Freon-113	BRL	0.0085		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Isopropylbenzene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
m,p-Xylene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Methyl acetate	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Methyl tert-butyl ether	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Methylcyclohexane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Methylene chloride	BRL	0.017		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
o-Xylene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-1-10'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 8:00:00 AM
Lab ID:	1311I96-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Tetrachloroethene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Toluene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
trans-1,2-Dichloroethene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
trans-1,3-Dichloropropene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Trichloroethene	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Trichlorofluoromethane	BRL	0.0042		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Vinyl chloride	BRL	0.0085		mg/Kg-dry	184105	1	11/26/2013 17:52	MD
Surr: 4-Bromofluorobenzene	88.8	70-128		%REC	184105	1	11/26/2013 17:52	MD
Surr: Dibromofluoromethane	125	78.2-128		%REC	184105	1	11/26/2013 17:52	MD
Surr: Toluene-d8	93.1	76.5-116		%REC	184105	1	11/26/2013 17:52	MD
PERCENT MOISTURE D2216								
Percent Moisture	21.2	0		wt%	R256735	1	11/27/2013 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-2-12'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 8:20:00 AM
Lab ID:	1311I96-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
1,1,2,2-Tetrachloroethane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
1,1,2-Trichloroethane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
1,1-Dichloroethane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
1,1-Dichloroethene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
1,2,4-Trichlorobenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
1,2-Dibromo-3-chloropropane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
1,2-Dibromoethane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
1,2-Dichlorobenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
1,2-Dichloroethane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
1,2-Dichloropropane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
1,3-Dichlorobenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
1,4-Dichlorobenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
2-Butanone	BRL	0.035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
2-Hexanone	BRL	0.0070		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
4-Methyl-2-pentanone	BRL	0.0070		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Acetone	BRL	0.070		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Benzene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Bromodichloromethane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Bromoform	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Bromomethane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Carbon disulfide	BRL	0.0070		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Carbon tetrachloride	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Chlorobenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Chloroethane	BRL	0.0070		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Chloroform	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Chloromethane	BRL	0.0070		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
cis-1,2-Dichloroethene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
cis-1,3-Dichloropropene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Cyclohexane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Dibromochloromethane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Dichlorodifluoromethane	BRL	0.0070		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Ethylbenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Freon-113	BRL	0.0070		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Isopropylbenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
m,p-Xylene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Methyl acetate	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Methyl tert-butyl ether	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Methylcyclohexane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Methylene chloride	BRL	0.014		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
o-Xylene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-2-12'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 8:20:00 AM
Lab ID:	1311I96-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Tetrachloroethene	0.43	0.22		mg/Kg-dry	184153	50	11/27/2013 11:07	GK
Toluene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
trans-1,2-Dichloroethene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
trans-1,3-Dichloropropene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Trichloroethene	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Trichlorofluoromethane	BRL	0.0035		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Vinyl chloride	BRL	0.0070		mg/Kg-dry	184105	1	11/27/2013 17:42	MD
Surr: 4-Bromofluorobenzene	98.3	70-128		%REC	184105	1	11/27/2013 17:42	MD
Surr: 4-Bromofluorobenzene	99.1	70-128		%REC	184153	50	11/27/2013 11:07	GK
Surr: Dibromofluoromethane	120	78.2-128		%REC	184105	1	11/27/2013 17:42	MD
Surr: Dibromofluoromethane	98	78.2-128		%REC	184153	50	11/27/2013 11:07	GK
Surr: Toluene-d8	91.9	76.5-116		%REC	184105	1	11/27/2013 17:42	MD
Surr: Toluene-d8	100	76.5-116		%REC	184153	50	11/27/2013 11:07	GK
PERCENT MOISTURE D2216								
Percent Moisture	21.5	0		wt%	R256665	1	11/26/2013 19:00	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-3-7'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 8:35:00 AM
Lab ID:	1311I96-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
1,1,2,2-Tetrachloroethane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
1,1,2-Trichloroethane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
1,1-Dichloroethane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
1,1-Dichloroethene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
1,2,4-Trichlorobenzene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
1,2-Dibromo-3-chloropropane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
1,2-Dibromoethane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
1,2-Dichlorobenzene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
1,2-Dichloroethane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
1,2-Dichloropropane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
1,3-Dichlorobenzene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
1,4-Dichlorobenzene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
2-Butanone	BRL	0.045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
2-Hexanone	BRL	0.0089		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
4-Methyl-2-pentanone	BRL	0.0089		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Acetone	BRL	0.089		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Benzene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Bromodichloromethane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Bromoform	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Bromomethane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Carbon disulfide	BRL	0.0089		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Carbon tetrachloride	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Chlorobenzene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Chloroethane	BRL	0.0089		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Chloroform	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Chloromethane	BRL	0.0089		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
cis-1,2-Dichloroethene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
cis-1,3-Dichloropropene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Cyclohexane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Dibromochloromethane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Dichlorodifluoromethane	BRL	0.0089		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Ethylbenzene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Freon-113	BRL	0.0089		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Isopropylbenzene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
m,p-Xylene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Methyl acetate	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Methyl tert-butyl ether	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Methylcyclohexane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Methylene chloride	BRL	0.018		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
o-Xylene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-3-7'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 8:35:00 AM
Lab ID:	1311I96-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Tetrachloroethene	0.017	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Toluene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
trans-1,2-Dichloroethene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
trans-1,3-Dichloropropene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Trichloroethene	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Trichlorofluoromethane	BRL	0.0045		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Vinyl chloride	BRL	0.0089		mg/Kg-dry	184105	1	11/26/2013 18:53	MD
Surr: 4-Bromofluorobenzene	84.9	70-128		%REC	184105	1	11/26/2013 18:53	MD
Surr: Dibromofluoromethane	126	78.2-128		%REC	184105	1	11/26/2013 18:53	MD
Surr: Toluene-d8	91.8	76.5-116		%REC	184105	1	11/26/2013 18:53	MD
PERCENT MOISTURE D2216								
Percent Moisture	31.7	0		wt%	R256735	1	11/27/2013 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-4-7'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 8:50:00 AM
Lab ID:	1311I96-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
1,1,2,2-Tetrachloroethane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
1,1,2-Trichloroethane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
1,1-Dichloroethane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
1,1-Dichloroethene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
1,2,4-Trichlorobenzene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
1,2-Dibromo-3-chloropropane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
1,2-Dibromoethane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
1,2-Dichlorobenzene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
1,2-Dichloroethane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
1,2-Dichloropropane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
1,3-Dichlorobenzene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
1,4-Dichlorobenzene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
2-Butanone	BRL	0.039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
2-Hexanone	BRL	0.0078		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
4-Methyl-2-pentanone	BRL	0.0078		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Acetone	BRL	0.078		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Benzene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Bromodichloromethane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Bromoform	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Bromomethane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Carbon disulfide	BRL	0.0078		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Carbon tetrachloride	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Chlorobenzene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Chloroethane	BRL	0.0078		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Chloroform	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Chloromethane	BRL	0.0078		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
cis-1,2-Dichloroethene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
cis-1,3-Dichloropropene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Cyclohexane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Dibromochloromethane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Dichlorodifluoromethane	BRL	0.0078		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Ethylbenzene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Freon-113	BRL	0.0078		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Isopropylbenzene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
m,p-Xylene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Methyl acetate	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Methyl tert-butyl ether	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Methylcyclohexane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Methylene chloride	BRL	0.016		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
o-Xylene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-4-7'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 8:50:00 AM
Lab ID:	1311I96-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Tetrachloroethene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Toluene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
trans-1,2-Dichloroethene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
trans-1,3-Dichloropropene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Trichloroethene	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Trichlorofluoromethane	BRL	0.0039		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Vinyl chloride	BRL	0.0078		mg/Kg-dry	184105	1	11/27/2013 17:12	MD
Surr: 4-Bromofluorobenzene	89.8	70-128		%REC	184105	1	11/27/2013 17:12	MD
Surr: Dibromofluoromethane	114	78.2-128		%REC	184105	1	11/27/2013 17:12	MD
Surr: Toluene-d8	87.7	76.5-116		%REC	184105	1	11/27/2013 17:12	MD
PERCENT MOISTURE D2216								
Percent Moisture	19.5	0		wt%	R256735	1	11/27/2013 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-5-7'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 9:10:00 AM
Lab ID:	1311I96-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
1,1,2,2-Tetrachloroethane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
1,1,2-Trichloroethane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
1,1-Dichloroethane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
1,1-Dichloroethene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
1,2,4-Trichlorobenzene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
1,2-Dibromo-3-chloropropane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
1,2-Dibromoethane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
1,2-Dichlorobenzene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
1,2-Dichloroethane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
1,2-Dichloropropane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
1,3-Dichlorobenzene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
1,4-Dichlorobenzene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
2-Butanone	BRL	0.043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
2-Hexanone	BRL	0.0085		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
4-Methyl-2-pentanone	BRL	0.0085		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Acetone	BRL	0.085		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Benzene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Bromodichloromethane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Bromoform	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Bromomethane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Carbon disulfide	BRL	0.0085		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Carbon tetrachloride	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Chlorobenzene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Chloroethane	BRL	0.0085		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Chloroform	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Chloromethane	BRL	0.0085		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
cis-1,2-Dichloroethene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
cis-1,3-Dichloropropene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Cyclohexane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Dibromochloromethane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Dichlorodifluoromethane	BRL	0.0085		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Ethylbenzene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Freon-113	BRL	0.0085		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Isopropylbenzene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
m,p-Xylene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Methyl acetate	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Methyl tert-butyl ether	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Methylcyclohexane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Methylene chloride	BRL	0.017		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
o-Xylene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-5-7'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 9:10:00 AM
Lab ID:	1311I96-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Tetrachloroethene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Toluene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
trans-1,2-Dichloroethene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
trans-1,3-Dichloropropene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Trichloroethene	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Trichlorofluoromethane	BRL	0.0043		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Vinyl chloride	BRL	0.0085		mg/Kg-dry	184105	1	11/27/2013 16:37	MD
Surr: 4-Bromofluorobenzene	92.9	70-128		%REC	184105	1	11/27/2013 16:37	MD
Surr: Dibromofluoromethane	116	78.2-128		%REC	184105	1	11/27/2013 16:37	MD
Surr: Toluene-d8	89.1	76.5-116		%REC	184105	1	11/27/2013 16:37	MD
PERCENT MOISTURE D2216								
Percent Moisture	23.6	0		wt%	R256735	1	11/27/2013 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-6-7'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 9:25:00 AM
Lab ID:	1311I96-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
1,1,2,2-Tetrachloroethane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
1,1,2-Trichloroethane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
1,1-Dichloroethane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
1,1-Dichloroethene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
1,2,4-Trichlorobenzene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
1,2-Dibromo-3-chloropropane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
1,2-Dibromoethane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
1,2-Dichlorobenzene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
1,2-Dichloroethane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
1,2-Dichloropropane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
1,3-Dichlorobenzene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
1,4-Dichlorobenzene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
2-Butanone	BRL	0.044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
2-Hexanone	BRL	0.0089		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
4-Methyl-2-pentanone	BRL	0.0089		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Acetone	BRL	0.089		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Benzene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Bromodichloromethane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Bromoform	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Bromomethane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Carbon disulfide	BRL	0.0089		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Carbon tetrachloride	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Chlorobenzene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Chloroethane	BRL	0.0089		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Chloroform	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Chloromethane	BRL	0.0089		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
cis-1,2-Dichloroethene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
cis-1,3-Dichloropropene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Cyclohexane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Dibromochloromethane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Dichlorodifluoromethane	BRL	0.0089		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Ethylbenzene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Freon-113	BRL	0.0089		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Isopropylbenzene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
m,p-Xylene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Methyl acetate	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Methyl tert-butyl ether	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Methylcyclohexane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Methylene chloride	BRL	0.018		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
o-Xylene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-6-7'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 9:25:00 AM
Lab ID:	1311I96-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Tetrachloroethene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Toluene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
trans-1,2-Dichloroethene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
trans-1,3-Dichloropropene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Trichloroethene	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Trichlorofluoromethane	BRL	0.0044		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Vinyl chloride	BRL	0.0089		mg/Kg-dry	184105	1	11/27/2013 16:05	MD
Surr: 4-Bromofluorobenzene	94.9	70-128		%REC	184105	1	11/27/2013 16:05	MD
Surr: Dibromofluoromethane	114	78.2-128		%REC	184105	1	11/27/2013 16:05	MD
Surr: Toluene-d8	87.2	76.5-116		%REC	184105	1	11/27/2013 16:05	MD
PERCENT MOISTURE D2216								
Percent Moisture	18.6	0		wt%	R256665	1	11/26/2013 19:00	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-7-7'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 9:45:00 AM
Lab ID:	1311I96-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
1,1,2,2-Tetrachloroethane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
1,1,2-Trichloroethane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
1,1-Dichloroethane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
1,1-Dichloroethene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
1,2,4-Trichlorobenzene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
1,2-Dibromo-3-chloropropane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
1,2-Dibromoethane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
1,2-Dichlorobenzene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
1,2-Dichloroethane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
1,2-Dichloropropane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
1,3-Dichlorobenzene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
1,4-Dichlorobenzene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
2-Butanone	BRL	0.041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
2-Hexanone	BRL	0.0081		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
4-Methyl-2-pentanone	BRL	0.0081		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Acetone	BRL	0.081		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Benzene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Bromodichloromethane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Bromoform	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Bromomethane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Carbon disulfide	BRL	0.0081		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Carbon tetrachloride	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Chlorobenzene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Chloroethane	BRL	0.0081		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Chloroform	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Chloromethane	BRL	0.0081		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
cis-1,2-Dichloroethene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
cis-1,3-Dichloropropene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Cyclohexane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Dibromochloromethane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Dichlorodifluoromethane	BRL	0.0081		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Ethylbenzene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Freon-113	BRL	0.0081		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Isopropylbenzene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
m,p-Xylene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Methyl acetate	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Methyl tert-butyl ether	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Methylcyclohexane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Methylene chloride	BRL	0.016		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
o-Xylene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-7-7'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 9:45:00 AM
Lab ID:	1311I96-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Tetrachloroethene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Toluene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
trans-1,2-Dichloroethene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
trans-1,3-Dichloropropene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Trichloroethene	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Trichlorofluoromethane	BRL	0.0041		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Vinyl chloride	BRL	0.0081		mg/Kg-dry	184105	1	11/27/2013 13:38	MD
Surr: 4-Bromofluorobenzene	83.7	70-128		%REC	184105	1	11/27/2013 13:38	MD
Surr: Dibromofluoromethane	121	78.2-128		%REC	184105	1	11/27/2013 13:38	MD
Surr: Toluene-d8	93.5	76.5-116		%REC	184105	1	11/27/2013 13:38	MD
PERCENT MOISTURE D2216								
Percent Moisture	18.9	0		wt%	R256735	1	11/27/2013 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-8-7'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 10:00:00 AM
Lab ID:	1311I96-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
1,1,2,2-Tetrachloroethane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
1,1,2-Trichloroethane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
1,1-Dichloroethane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
1,1-Dichloroethene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
1,2,4-Trichlorobenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
1,2-Dibromo-3-chloropropane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
1,2-Dibromoethane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
1,2-Dichlorobenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
1,2-Dichloroethane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
1,2-Dichloropropane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
1,3-Dichlorobenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
1,4-Dichlorobenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
2-Butanone	BRL	0.035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
2-Hexanone	BRL	0.0070		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
4-Methyl-2-pentanone	BRL	0.0070		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Acetone	BRL	0.070		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Benzene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Bromodichloromethane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Bromoform	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Bromomethane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Carbon disulfide	BRL	0.0070		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Carbon tetrachloride	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Chlorobenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Chloroethane	BRL	0.0070		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Chloroform	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Chloromethane	BRL	0.0070		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
cis-1,2-Dichloroethene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
cis-1,3-Dichloropropene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Cyclohexane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Dibromochloromethane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Dichlorodifluoromethane	BRL	0.0070		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Ethylbenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Freon-113	BRL	0.0070		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Isopropylbenzene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
m,p-Xylene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Methyl acetate	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Methyl tert-butyl ether	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Methylcyclohexane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Methylene chloride	BRL	0.014		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
o-Xylene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-8-7'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 10:00:00 AM
Lab ID:	1311I96-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Tetrachloroethene	0.048	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Toluene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
trans-1,2-Dichloroethene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
trans-1,3-Dichloropropene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Trichloroethene	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Trichlorofluoromethane	BRL	0.0035		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Vinyl chloride	BRL	0.0070		mg/Kg-dry	184105	1	11/26/2013 21:23	MD
Surr: 4-Bromofluorobenzene	80.8	70-128		%REC	184105	1	11/26/2013 21:23	MD
Surr: Dibromofluoromethane	133	78.2-128	S	%REC	184105	1	11/26/2013 21:23	MD
Surr: Toluene-d8	92.2	76.5-116		%REC	184105	1	11/26/2013 21:23	MD
PERCENT MOISTURE D2216								
Percent Moisture	12.3	0		wt%	R256735	1	11/27/2013 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-2-5'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 8:10:00 AM
Lab ID:	1311I96-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
1,1,2,2-Tetrachloroethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
1,1,2-Trichloroethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
1,1-Dichloroethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
1,1-Dichloroethene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
1,2,4-Trichlorobenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
1,2-Dibromo-3-chloropropane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
1,2-Dibromoethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
1,2-Dichlorobenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
1,2-Dichloroethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
1,2-Dichloropropane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
1,3-Dichlorobenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
1,4-Dichlorobenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
2-Butanone	BRL	0.073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
2-Hexanone	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
4-Methyl-2-pentanone	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Acetone	BRL	0.15		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Benzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Bromodichloromethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Bromoform	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Bromomethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Carbon disulfide	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Carbon tetrachloride	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Chlorobenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Chloroethane	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Chloroform	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Chloromethane	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
cis-1,2-Dichloroethene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
cis-1,3-Dichloropropene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Cyclohexane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Dibromochloromethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Dichlorodifluoromethane	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Ethylbenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Freon-113	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Isopropylbenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
m,p-Xylene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Methyl acetate	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Methyl tert-butyl ether	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Methylcyclohexane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Methylene chloride	BRL	0.029		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
o-Xylene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-2-5'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 8:10:00 AM
Lab ID:	1311I96-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Tetrachloroethene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Toluene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
trans-1,2-Dichloroethene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
trans-1,3-Dichloropropene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Trichloroethene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Trichlorofluoromethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Vinyl chloride	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:07	MD
Surr: 4-Bromofluorobenzene	86.7	70-128		%REC	184105	1	11/27/2013 12:07	MD
Surr: Dibromofluoromethane	116	78.2-128		%REC	184105	1	11/27/2013 12:07	MD
Surr: Toluene-d8	90.8	76.5-116		%REC	184105	1	11/27/2013 12:07	MD
PERCENT MOISTURE D2216								
Percent Moisture	17.6	0		wt%	R256735	1	11/27/2013 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-2-9'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 8:15:00 AM
Lab ID:	1311I96-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
1,1,2,2-Tetrachloroethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
1,1,2-Trichloroethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
1,1-Dichloroethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
1,1-Dichloroethene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
1,2,4-Trichlorobenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
1,2-Dibromo-3-chloropropane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
1,2-Dibromoethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
1,2-Dichlorobenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
1,2-Dichloroethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
1,2-Dichloropropane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
1,3-Dichlorobenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
1,4-Dichlorobenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
2-Butanone	BRL	0.073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
2-Hexanone	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
4-Methyl-2-pentanone	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Acetone	BRL	0.15		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Benzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Bromodichloromethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Bromoform	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Bromomethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Carbon disulfide	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Carbon tetrachloride	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Chlorobenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Chloroethane	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Chloroform	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Chloromethane	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
cis-1,2-Dichloroethene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
cis-1,3-Dichloropropene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Cyclohexane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Dibromochloromethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Dichlorodifluoromethane	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Ethylbenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Freon-113	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Isopropylbenzene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
m,p-Xylene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Methyl acetate	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Methyl tert-butyl ether	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Methylcyclohexane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Methylene chloride	BRL	0.029		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
o-Xylene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 3-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-B-2-9'
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 8:15:00 AM
Lab ID:	1311I96-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Tetrachloroethene	0.0082	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Toluene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
trans-1,2-Dichloroethene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
trans-1,3-Dichloropropene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Trichloroethene	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Trichlorofluoromethane	BRL	0.0073		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Vinyl chloride	BRL	0.015		mg/Kg-dry	184105	1	11/27/2013 12:37	MD
Surr: 4-Bromofluorobenzene	86.8	70-128		%REC	184105	1	11/27/2013 12:37	MD
Surr: Dibromofluoromethane	126	78.2-128		%REC	184105	1	11/27/2013 12:37	MD
Surr: Toluene-d8	90.3	76.5-116		%REC	184105	1	11/27/2013 12:37	MD
PERCENT MOISTURE D2216								
Percent Moisture	19.3	0		wt%	R256735	1	11/27/2013 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Peachtree Environmental Work Order Number 1311796

Checklist completed by [signature] 11.23.13
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client __ ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.3 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes __ No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I96

ANALYTICAL QC SUMMARY REPORT

BatchID: 184105

Sample ID: **MB-184105** Client ID: Units: **mg/Kg** Prep Date: **11/23/2013** Run No: **256450**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184105** Analysis Date: **11/23/2013** Seq No: **5386963**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	0.0050									
1,1,2,2-Tetrachloroethane	BRL	0.0050									
1,1,2-Trichloroethane	BRL	0.0050									
1,1-Dichloroethane	BRL	0.0050									
1,1-Dichloroethene	BRL	0.0050									
1,2,4-Trichlorobenzene	BRL	0.0050									
1,2-Dibromo-3-chloropropane	BRL	0.0050									
1,2-Dibromoethane	BRL	0.0050									
1,2-Dichlorobenzene	BRL	0.0050									
1,2-Dichloroethane	BRL	0.0050									
1,2-Dichloropropane	BRL	0.0050									
1,3-Dichlorobenzene	BRL	0.0050									
1,4-Dichlorobenzene	BRL	0.0050									
2-Butanone	BRL	0.050									
2-Hexanone	BRL	0.010									
4-Methyl-2-pentanone	BRL	0.010									
Acetone	BRL	0.10									
Benzene	BRL	0.0050									
Bromodichloromethane	BRL	0.0050									
Bromoform	BRL	0.0050									
Bromomethane	BRL	0.0050									
Carbon disulfide	BRL	0.010									
Carbon tetrachloride	BRL	0.0050									
Chlorobenzene	BRL	0.0050									
Chloroethane	BRL	0.010									
Chloroform	BRL	0.0050									
Chloromethane	BRL	0.010									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I96

ANALYTICAL QC SUMMARY REPORT

BatchID: 184105

Sample ID: **MB-184105** Client ID: Units: **mg/Kg** Prep Date: **11/23/2013** Run No: **256450**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184105** Analysis Date: **11/23/2013** Seq No: **5386963**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	0.0050									
cis-1,3-Dichloropropene	BRL	0.0050									
Cyclohexane	BRL	0.0050									
Dibromochloromethane	BRL	0.0050									
Dichlorodifluoromethane	BRL	0.010									
Ethylbenzene	BRL	0.0050									
Freon-113	BRL	0.010									
Isopropylbenzene	BRL	0.0050									
m,p-Xylene	BRL	0.0050									
Methyl acetate	BRL	0.0050									
Methyl tert-butyl ether	BRL	0.0050									
Methylcyclohexane	BRL	0.0050									
Methylene chloride	BRL	0.020									
o-Xylene	BRL	0.0050									
Styrene	BRL	0.0050									
Tetrachloroethene	BRL	0.0050									
Toluene	BRL	0.0050									
trans-1,2-Dichloroethene	BRL	0.0050									
trans-1,3-Dichloropropene	BRL	0.0050									
Trichloroethene	BRL	0.0050									
Trichlorofluoromethane	BRL	0.0050									
Vinyl chloride	BRL	0.010									
Surr: 4-Bromofluorobenzene	0.04487	0	0.0500		89.7	70	128				
Surr: Dibromofluoromethane	0.05376	0	0.0500		108	78.2	128				
Surr: Toluene-d8	0.04510	0	0.0500		90.2	76.5	116				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I96

ANALYTICAL QC SUMMARY REPORT

BatchID: 184105

Sample ID: **LCS-184105** Client ID: Units: **mg/Kg** Prep Date: **11/23/2013** Run No: **256450**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184105** Analysis Date: **11/23/2013** Seq No: **5386959**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.05065	0.0050	0.0500		101	69.9	145				
Benzene	0.05055	0.0050	0.0500		101	72.3	130				
Chlorobenzene	0.05419	0.0050	0.0500		108	69	130				
Toluene	0.04807	0.0050	0.0500		96.1	71.1	130				
Trichloroethene	0.04646	0.0050	0.0500		92.9	71.7	136				
Surr: 4-Bromofluorobenzene	0.05170	0	0.0500		103	70	128				
Surr: Dibromofluoromethane	0.05214	0	0.0500		104	78.2	128				
Surr: Toluene-d8	0.04682	0	0.0500		93.6	76.5	116				

Sample ID: **1311G87-007AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **11/23/2013** Run No: **256450**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184105** Analysis Date: **11/23/2013** Seq No: **5387029**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.06252	0.0060	0.0605		103	56.6	151				
Benzene	0.06371	0.0060	0.0605		105	70.4	130				
Chlorobenzene	0.06324	0.0060	0.0605		105	67.5	132				
Toluene	0.05821	0.0060	0.0605		96.3	70.4	130				
Trichloroethene	0.05695	0.0060	0.0605		94.2	70.1	137				
Surr: 4-Bromofluorobenzene	0.06861	0	0.0605		113	70	128				
Surr: Dibromofluoromethane	0.06914	0	0.0605		114	78.2	128				
Surr: Toluene-d8	0.06027	0	0.0605		99.7	76.5	116				

Sample ID: **1311G87-007AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **11/23/2013** Run No: **256450**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184105** Analysis Date: **11/23/2013** Seq No: **5387037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.05938	0.0060	0.0605		98.2	56.6	151	0.06252	5.14	20.4	
Benzene	0.05948	0.0060	0.0605		98.4	70.4	130	0.06371	6.87	16.9	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I96

ANALYTICAL QC SUMMARY REPORT

BatchID: **184105**

Sample ID: **1311G87-007AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **11/23/2013** Run No: **256450**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184105** Analysis Date: **11/23/2013** Seq No: **5387037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	0.06030	0.0060	0.0605		99.7	67.5	132	0.06324	4.76	14.6	
Toluene	0.05534	0.0060	0.0605		91.5	70.4	130	0.05821	5.05	16.6	
Trichloroethene	0.05279	0.0060	0.0605		87.3	70.1	137	0.05695	7.58	17	
Surr: 4-Bromofluorobenzene	0.06631	0	0.0605		110	70	128	0.06861	0	0	
Surr: Dibromofluoromethane	0.06718	0	0.0605		111	78.2	128	0.06914	0	0	
Surr: Toluene-d8	0.05694	0	0.0605		94.2	76.5	116	0.06027	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I96

ANALYTICAL QC SUMMARY REPORT

BatchID: 184153

Sample ID: **MB-184153** Client ID: Units: **mg/Kg** Prep Date: **11/25/2013** Run No: **256455**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184153** Analysis Date: **11/25/2013** Seq No: **5388347**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	0.25									
1,1,2,2-Tetrachloroethane	BRL	0.25									
1,1,2-Trichloroethane	BRL	0.25									
1,1-Dichloroethane	BRL	0.25									
1,1-Dichloroethene	BRL	0.25									
1,2,4-Trichlorobenzene	BRL	0.25									
1,2-Dibromo-3-chloropropane	BRL	0.25									
1,2-Dibromoethane	BRL	0.25									
1,2-Dichlorobenzene	BRL	0.25									
1,2-Dichloroethane	BRL	0.25									
1,2-Dichloropropane	BRL	0.25									
1,3-Dichlorobenzene	BRL	0.25									
1,4-Dichlorobenzene	BRL	0.25									
2-Butanone	BRL	2.5									
2-Hexanone	BRL	0.50									
4-Methyl-2-pentanone	BRL	0.50									
Acetone	BRL	5.0									
Benzene	BRL	0.25									
Bromodichloromethane	BRL	0.25									
Bromoform	BRL	0.25									
Bromomethane	BRL	0.25									
Carbon disulfide	BRL	0.50									
Carbon tetrachloride	BRL	0.25									
Chlorobenzene	BRL	0.25									
Chloroethane	BRL	0.50									
Chloroform	BRL	0.25									
Chloromethane	BRL	0.50									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I96

ANALYTICAL QC SUMMARY REPORT

BatchID: 184153

Sample ID: **MB-184153** Client ID: Units: **mg/Kg** Prep Date: **11/25/2013** Run No: **256455**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184153** Analysis Date: **11/25/2013** Seq No: **5388347**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	0.25									
cis-1,3-Dichloropropene	BRL	0.25									
Cyclohexane	BRL	0.25									
Dibromochloromethane	BRL	0.25									
Dichlorodifluoromethane	BRL	0.50									
Ethylbenzene	BRL	0.25									
Freon-113	BRL	0.50									
Isopropylbenzene	BRL	0.25									
m,p-Xylene	BRL	0.25									
Methyl acetate	BRL	0.25									
Methyl tert-butyl ether	BRL	0.25									
Methylcyclohexane	BRL	0.25									
Methylene chloride	BRL	1.0									
o-Xylene	BRL	0.25									
Styrene	BRL	0.25									
Tetrachloroethene	BRL	0.25									
Toluene	BRL	0.25									
trans-1,2-Dichloroethene	BRL	0.25									
trans-1,3-Dichloropropene	BRL	0.25									
Trichloroethene	BRL	0.25									
Trichlorofluoromethane	BRL	0.25									
Vinyl chloride	BRL	0.50									
Surr: 4-Bromofluorobenzene	1.975	0	2.500		79.0	70	128				
Surr: Dibromofluoromethane	2.924	0	2.500		117	78.2	128				
Surr: Toluene-d8	2.378	0	2.500		95.1	76.5	116				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I96

ANALYTICAL QC SUMMARY REPORT

BatchID: 184153

Sample ID: **LCS-184153** Client ID: Units: **mg/Kg** Prep Date: **11/25/2013** Run No: **256455**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184153** Analysis Date: **11/25/2013** Seq No: **5388403**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2.386	0.25	2.500		95.4	69.9	145				
Benzene	2.663	0.25	2.500		107	72.3	130				
Chlorobenzene	2.903	0.25	2.500		116	69	130				
Toluene	2.748	0.25	2.500		110	71.1	130				
Trichloroethene	2.627	0.25	2.500		105	71.7	136				
Surr: 4-Bromofluorobenzene	2.596	0	2.500		104	70	128				
Surr: Dibromofluoromethane	2.788	0	2.500		112	78.2	128				
Surr: Toluene-d8	2.469	0	2.500		98.8	76.5	116				

Sample ID: **1311I88-003AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **11/25/2013** Run No: **256455**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184153** Analysis Date: **11/25/2013** Seq No: **5388949**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1.320	0.15	1.501		88.0	56.6	151				
Benzene	1.621	0.15	1.501		108	70.4	130				
Chlorobenzene	1.706	0.15	1.501		114	67.5	132				
Toluene	1.644	0.15	1.501		110	70.4	130				
Trichloroethene	1.558	0.15	1.501		104	70.1	137				
Surr: 4-Bromofluorobenzene	1.480	0	1.501		98.6	70	128				
Surr: Dibromofluoromethane	1.626	0	1.501		108	78.2	128				
Surr: Toluene-d8	1.494	0	1.501		99.6	76.5	116				

Sample ID: **1311I88-003AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **11/25/2013** Run No: **256455**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184153** Analysis Date: **11/25/2013** Seq No: **5388950**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1.318	0.15	1.501		87.8	56.6	151	1.320	0.159	20.4	
Benzene	1.543	0.15	1.501		103	70.4	130	1.621	4.95	16.9	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I96

ANALYTICAL QC SUMMARY REPORT

BatchID: 184153

Sample ID: **1311I88-003AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **11/25/2013** Run No: **256455**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184153** Analysis Date: **11/25/2013** Seq No: **5388950**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	1.647	0.15	1.501		110	67.5	132	1.706	3.53	14.6	
Toluene	1.590	0.15	1.501		106	70.4	130	1.644	3.36	16.6	
Trichloroethene	1.548	0.15	1.501		103	70.1	137	1.558	0.638	17	
Surr: 4-Bromofluorobenzene	1.511	0	1.501		101	70	128	1.480	0	0	
Surr: Dibromofluoromethane	1.549	0	1.501		103	78.2	128	1.626	0	0	
Surr: Toluene-d8	1.471	0	1.501		98.0	76.5	116	1.494	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX B

NOVEMBER 2013 - GROUNDWATER LABORATORY ANALYTICAL REPORT

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

December 06, 2013

John Martiniere
Peachtree Environmental
3000 Northwoods Parkway, Suite 105
Norcross GA 30071

TEL: (770) 449-6100
FAX: (770) 449-6119

RE: Thomasville National Bank

Dear John Martiniere: Order No: 1311I47

Analytical Environmental Services, Inc. received 15 samples on 11/22/2013 3:40:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/13-06/30/14.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Dorothy deBruyn
Project Manager

Revision 12/6/2013

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1311I47

Date: 11/22/13 Page 1 of 2

COMPANY: PEACHTREE ENVIRONMENTAL

ADDRESS: 3000 NORTHWOODS PKWY. SUITE 105 NORCROSS GA 30071

PHONE: 770-449-6100

FAX: 770-449-6119

SAMPLED BY: JASON CHAPPELL / THOM LAWRENCE

SIGNATURE:

ANALYSIS REQUESTED: 8260, IonScan, TOC, EEM, Lab Hydrogen

PRESERVATION (See codes): H+I, -, H_2O_2, H+I, -

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260	IonScan	TOC	EEM	Lab Hydrogen	No # of Containers
1	TNB-1113-MW1	1225	11-20-13	✓		GW	✓	✓	✓	✓	✓	2
2	TNB-1113-MW2	1630	11-20-13				✓					2
3	TNB-1113-MW3	1510	11-21-13				✓					2
4	TNB-1113-MW4	1210	11-21-13				✓					2
5	TNB-1113-MW5	1705	11-21-13				✓	✓	✓	✓	✓	2
6	TNB-1113-MW6	1420	11-21-13				✓					2
7	TNB-1113-MW7	1400	11-21-13				✓	✓	✓	✓	✓	2
8	TNB-1113-MW8	1570	11-21-13				✓					2
9	TNB-1113-MW9	830	11-20-13				✓					2
10	TNB-1113-MW10	940	11-20-13				✓					2
11	TNB-1113-MW11	1100	11-20-13				✓					2
12	TNB-1113-MW12	1035	11-22-13				✓	✓	✓	✓	✓	2
13	TNB-1113-MW13	930	11-22-13				✓					2
14	TNB-1113-DUP 1	1710	11-21-13				✓					2

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

REMARKS

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	1540 11-22-13	1:	11/22/13 3:40
2:		2:	
3:		3:	

PROJECT INFORMATION
PROJECT NAME: Thomasville National Bank
PROJECT #: 3151
SITE ADDRESS: Thomasville, Georgia
SEND REPORT TO: JASON CHAPPELL
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers

Turnaround Time Request
- ✓ Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush (auth req.)
- Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS: Procedure with sample MW-1

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client: Peachtree Environmental
Project: Thomasville National Bank
Lab ID: 1311I47

Case Narrative

Sample Receiving Nonconformance:

Sample MW-1 was received outside EPA/Method specified holding time of 48 hours for method 9056. Lab proceeded with analysis per the client's comment on the COC.

Samples for pH analysis by Method [E150.1/SM4500 H+ B/SW9040C/SW9045D] were received and analyzed outside Method specified holding time of "immediate or 15 minutes".

Volatiles Organic Compounds Analysis by Method 8260B:

Tetrachloroethene value for sample 1311I47-006A is "E" qualified indicating an estimated value over linear calibration range. Sample could not be diluted and reanalyzed due to second vial used to verify previous results.

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW1
Project Name:	Thomasville National Bank	**Collection Date:**	11/20/2013 12:25:00 PM
Lab ID:	1311I47-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	BRL	1.00		mg/L	R256644	1	11/26/2013 10:32	GR
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
2-Butanone	BRL	50		ug/L	184164	1	11/25/2013 15:03	AK
2-Hexanone	BRL	10		ug/L	184164	1	11/25/2013 15:03	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	11/25/2013 15:03	AK
Acetone	BRL	50		ug/L	184164	1	11/25/2013 15:03	AK
Benzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Bromoform	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Bromomethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Chloroethane	BRL	10		ug/L	184164	1	11/25/2013 15:03	AK
Chloroform	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Chloromethane	BRL	10		ug/L	184164	1	11/25/2013 15:03	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Cyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	11/25/2013 15:03	AK
Ethylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Freon-113	BRL	10		ug/L	184164	1	11/25/2013 15:03	AK
Isopropylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
m,p-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW1
Project Name:	Thomasville National Bank	**Collection Date:**	11/20/2013 12:25:00 PM
Lab ID:	1311I47-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Methylcyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
o-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Styrene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Tetrachloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Toluene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Trichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:03	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	11/25/2013 15:03	AK
Surr: 4-Bromofluorobenzene	92.2	66.2-120		%REC	184164	1	11/25/2013 15:03	AK
Surr: Dibromofluoromethane	98.8	79.5-121		%REC	184164	1	11/25/2013 15:03	AK
Surr: Toluene-d8	102	77-117		%REC	184164	1	11/25/2013 15:03	AK
Laboratory Hydrogen Ion (pH) SW9040C								
pH	7.41	0.01	H	pH Units	R256532	1	11/25/2013 14:00	KB
ION SCAN SW9056A								
Chloride	15	1.0		mg/L	R256579	1	11/22/2013 17:07	GR
Nitrate	0.56	0.25	H	mg/L	R256579	1	11/22/2013 17:07	GR
Sulfate	2.9	1.0		mg/L	R256579	1	11/22/2013 17:07	GR
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Ethane	BRL	9		ug/L	184195	1	11/26/2013 16:05	SH
Ethylene	BRL	7		ug/L	184195	1	11/26/2013 16:05	SH
Methane	5	4		ug/L	184195	1	11/26/2013 16:05	SH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW2
Project Name:	Thomasville National Bank	**Collection Date:**	11/20/2013 4:30:00 PM
Lab ID:	1311I47-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
2-Butanone	BRL	50		ug/L	184164	1	11/25/2013 15:31	AK
2-Hexanone	BRL	10		ug/L	184164	1	11/25/2013 15:31	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	11/25/2013 15:31	AK
Acetone	BRL	50		ug/L	184164	1	11/25/2013 15:31	AK
Benzene	11	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Bromoform	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Bromomethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Chloroethane	BRL	10		ug/L	184164	1	11/25/2013 15:31	AK
Chloroform	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Chloromethane	BRL	10		ug/L	184164	1	11/25/2013 15:31	AK
cis-1,2-Dichloroethene	16	5.0		ug/L	184164	1	11/25/2013 15:31	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Cyclohexane	89	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	11/25/2013 15:31	AK
Ethylbenzene	1100	100		ug/L	184164	20	11/26/2013 12:09	AK
Freon-113	BRL	10		ug/L	184164	1	11/25/2013 15:31	AK
Isopropylbenzene	60	5.0		ug/L	184164	1	11/25/2013 15:31	AK
m,p-Xylene	4100	100		ug/L	184164	20	11/26/2013 12:09	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Methyl tert-butyl ether	22	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Methylcyclohexane	150	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
o-Xylene	1900	100		ug/L	184164	20	11/26/2013 12:09	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW2
Project Name:	Thomasville National Bank	**Collection Date:**	11/20/2013 4:30:00 PM
Lab ID:	1311I47-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Tetrachloroethene	13	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Toluene	2600	100		ug/L	184164	20	11/26/2013 12:09	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Trichloroethene	10	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	11/25/2013 15:31	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	11/25/2013 15:31	AK
Surr: 4-Bromofluorobenzene	107	66.2-120		%REC	184164	1	11/25/2013 15:31	AK
Surr: 4-Bromofluorobenzene	99.9	66.2-120		%REC	184164	20	11/26/2013 12:09	AK
Surr: Dibromofluoromethane	101	79.5-121		%REC	184164	20	11/26/2013 12:09	AK
Surr: Dibromofluoromethane	98.3	79.5-121		%REC	184164	1	11/25/2013 15:31	AK
Surr: Toluene-d8	105	77-117		%REC	184164	20	11/26/2013 12:09	AK
Surr: Toluene-d8	99.4	77-117		%REC	184164	1	11/25/2013 15:31	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW3
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 3:10:00 PM
Lab ID:	1311I47-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
2-Butanone	BRL	50		ug/L	184164	1	11/26/2013 15:56	AK
2-Hexanone	BRL	10		ug/L	184164	1	11/26/2013 15:56	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	11/26/2013 15:56	AK
Acetone	BRL	50		ug/L	184164	1	11/26/2013 15:56	AK
Benzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Bromoform	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Bromomethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Chloroethane	BRL	10		ug/L	184164	1	11/26/2013 15:56	AK
Chloroform	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Chloromethane	BRL	10		ug/L	184164	1	11/26/2013 15:56	AK
cis-1,2-Dichloroethene	18	5.0		ug/L	184164	1	11/26/2013 15:56	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Cyclohexane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	11/26/2013 15:56	AK
Ethylbenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Freon-113	BRL	10		ug/L	184164	1	11/26/2013 15:56	AK
Isopropylbenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
m,p-Xylene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Methylcyclohexane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
o-Xylene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW3
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 3:10:00 PM
Lab ID:	1311I47-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Tetrachloroethene	310	50		ug/L	184164	10	11/26/2013 13:05	AK
Toluene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Trichloroethene	13	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:56	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	11/26/2013 15:56	AK
Surr: 4-Bromofluorobenzene	89.3	66.2-120		%REC	184164	1	11/26/2013 15:56	AK
Surr: 4-Bromofluorobenzene	91.5	66.2-120		%REC	184164	10	11/26/2013 13:05	AK
Surr: Dibromofluoromethane	99.2	79.5-121		%REC	184164	10	11/26/2013 13:05	AK
Surr: Dibromofluoromethane	103	79.5-121		%REC	184164	1	11/26/2013 15:56	AK
Surr: Toluene-d8	99.8	77-117		%REC	184164	1	11/26/2013 15:56	AK
Surr: Toluene-d8	105	77-117		%REC	184164	10	11/26/2013 13:05	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW4
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 12:10:00 PM
Lab ID:	1311I47-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
2-Butanone	BRL	50		ug/L	184164	1	11/25/2013 16:28	AK
2-Hexanone	BRL	10		ug/L	184164	1	11/25/2013 16:28	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	11/25/2013 16:28	AK
Acetone	BRL	50		ug/L	184164	1	11/25/2013 16:28	AK
Benzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Bromoform	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Bromomethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Chloroethane	BRL	10		ug/L	184164	1	11/25/2013 16:28	AK
Chloroform	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Chloromethane	BRL	10		ug/L	184164	1	11/25/2013 16:28	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Cyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	11/25/2013 16:28	AK
Ethylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Freon-113	BRL	10		ug/L	184164	1	11/25/2013 16:28	AK
Isopropylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
m,p-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Methylcyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
o-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW4
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 12:10:00 PM
Lab ID:	1311I47-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Tetrachloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Toluene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Trichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:28	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	11/25/2013 16:28	AK
Surr: 4-Bromofluorobenzene	93.4	66.2-120		%REC	184164	1	11/25/2013 16:28	AK
Surr: Dibromofluoromethane	98.1	79.5-121		%REC	184164	1	11/25/2013 16:28	AK
Surr: Toluene-d8	96.8	77-117		%REC	184164	1	11/25/2013 16:28	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW5
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 5:05:00 PM
Lab ID:	1311I47-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	BRL	1.00		mg/L	R256644	1	11/26/2013 11:22	GR
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
2-Butanone	BRL	50		ug/L	184164	1	11/25/2013 16:56	AK
2-Hexanone	BRL	10		ug/L	184164	1	11/25/2013 16:56	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	11/25/2013 16:56	AK
Acetone	BRL	50		ug/L	184164	1	11/25/2013 16:56	AK
Benzene	9.3	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Bromoform	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Bromomethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Chloroethane	BRL	10		ug/L	184164	1	11/25/2013 16:56	AK
Chloroform	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Chloromethane	BRL	10		ug/L	184164	1	11/25/2013 16:56	AK
cis-1,2-Dichloroethene	11	5.0		ug/L	184164	1	11/25/2013 16:56	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Cyclohexane	5.2	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	11/25/2013 16:56	AK
Ethylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Freon-113	BRL	10		ug/L	184164	1	11/25/2013 16:56	AK
Isopropylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
m,p-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW5
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 5:05:00 PM
Lab ID:	1311I47-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Methylcyclohexane	5.4	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
o-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Styrene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Tetrachloroethene	5200	250		ug/L	184164	50	11/26/2013 11:40	AK
Toluene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Trichloroethene	36	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	11/25/2013 16:56	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	11/25/2013 16:56	AK
Surr: 4-Bromofluorobenzene	91.2	66.2-120		%REC	184164	50	11/26/2013 11:40	AK
Surr: 4-Bromofluorobenzene	99.3	66.2-120		%REC	184164	1	11/25/2013 16:56	AK
Surr: Dibromofluoromethane	99.5	79.5-121		%REC	184164	50	11/26/2013 11:40	AK
Surr: Dibromofluoromethane	96.6	79.5-121		%REC	184164	1	11/25/2013 16:56	AK
Surr: Toluene-d8	100	77-117		%REC	184164	50	11/26/2013 11:40	AK
Surr: Toluene-d8	96.6	77-117		%REC	184164	1	11/25/2013 16:56	AK
Laboratory Hydrogen Ion (pH) SW9040C								
pH	6.91	0.01	H	pH Units	R256532	1	11/25/2013 14:00	KB
ION SCAN SW9056A								
Chloride	19	1.0		mg/L	R256579	1	11/22/2013 17:22	GR
Nitrate	2.6	0.25		mg/L	R256579	1	11/22/2013 17:22	GR
Sulfate	33	1.0		mg/L	R256579	1	11/22/2013 17:22	GR
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Ethane	BRL	9		ug/L	184195	1	11/26/2013 16:09	SH
Ethylene	BRL	7		ug/L	184195	1	11/26/2013 16:09	SH
Methane	41	4		ug/L	184195	1	11/26/2013 16:09	SH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW6
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 2:20:00 PM
Lab ID:	1311I47-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
2-Butanone	BRL	50		ug/L	184164	1	12/04/2013 18:32	AK
2-Hexanone	BRL	10		ug/L	184164	1	12/04/2013 18:32	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	12/04/2013 18:32	AK
Acetone	BRL	50		ug/L	184164	1	12/04/2013 18:32	AK
Benzene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Bromoform	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Bromomethane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Chloroethane	BRL	10		ug/L	184164	1	12/04/2013 18:32	AK
Chloroform	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Chloromethane	BRL	10		ug/L	184164	1	12/04/2013 18:32	AK
cis-1,2-Dichloroethene	33	5.0		ug/L	184164	1	12/04/2013 18:32	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Cyclohexane	6.3	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	12/04/2013 18:32	AK
Ethylbenzene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Freon-113	BRL	10		ug/L	184164	1	12/04/2013 18:32	AK
Isopropylbenzene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
m,p-Xylene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Methylcyclohexane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
o-Xylene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW6
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 2:20:00 PM
Lab ID:	1311I47-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Tetrachloroethene	680	5.0	E	ug/L	184164	1	12/04/2013 18:32	AK
Toluene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Trichloroethene	150	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	12/04/2013 18:32	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	12/04/2013 18:32	AK
Surr: 4-Bromofluorobenzene	92.4	66.2-120		%REC	184164	1	12/04/2013 18:32	AK
Surr: Dibromofluoromethane	102	79.5-121		%REC	184164	1	12/04/2013 18:32	AK
Surr: Toluene-d8	99.7	77-117		%REC	184164	1	12/04/2013 18:32	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW7
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 2:00:00 PM
Lab ID:	1311I47-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	BRL	1.00		mg/L	R256644	1	11/26/2013 11:45	GR
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
2-Butanone	BRL	50		ug/L	184164	1	11/25/2013 18:23	AK
2-Hexanone	BRL	10		ug/L	184164	1	11/25/2013 18:23	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	11/25/2013 18:23	AK
Acetone	BRL	50		ug/L	184164	1	11/25/2013 18:23	AK
Benzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Bromoform	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Bromomethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Chloroethane	BRL	10		ug/L	184164	1	11/25/2013 18:23	AK
Chloroform	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Chloromethane	BRL	10		ug/L	184164	1	11/25/2013 18:23	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Cyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	11/25/2013 18:23	AK
Ethylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Freon-113	BRL	10		ug/L	184164	1	11/25/2013 18:23	AK
Isopropylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
m,p-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW7
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 2:00:00 PM
Lab ID:	1311I47-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Methylcyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
o-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Styrene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Tetrachloroethene	180	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Toluene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Trichloroethene	21	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:23	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	11/25/2013 18:23	AK
Surr: 4-Bromofluorobenzene	92.3	66.2-120		%REC	184164	1	11/25/2013 18:23	AK
Surr: Dibromofluoromethane	96.1	79.5-121		%REC	184164	1	11/25/2013 18:23	AK
Surr: Toluene-d8	98.7	77-117		%REC	184164	1	11/25/2013 18:23	AK
Laboratory Hydrogen Ion (pH) SW9040C								
pH	7.22	0.01	H	pH Units	R256532	1	11/25/2013 14:00	KB
ION SCAN SW9056A								
Chloride	14	1.0		mg/L	R256579	1	11/22/2013 17:36	GR
Nitrate	0.64	0.25		mg/L	R256579	1	11/22/2013 17:36	GR
Sulfate	1.3	1.0		mg/L	R256579	1	11/22/2013 17:36	GR
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Ethane	BRL	9		ug/L	184195	1	11/26/2013 16:25	SH
Ethylene	BRL	7		ug/L	184195	1	11/26/2013 16:25	SH
Methane	BRL	4		ug/L	184195	1	11/26/2013 16:25	SH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW8
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 3:20:00 PM
Lab ID:	1311I47-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
2-Butanone	BRL	50		ug/L	184164	1	11/25/2013 18:51	AK
2-Hexanone	BRL	10		ug/L	184164	1	11/25/2013 18:51	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	11/25/2013 18:51	AK
Acetone	BRL	50		ug/L	184164	1	11/25/2013 18:51	AK
Benzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Bromoform	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Bromomethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Chloroethane	BRL	10		ug/L	184164	1	11/25/2013 18:51	AK
Chloroform	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Chloromethane	BRL	10		ug/L	184164	1	11/25/2013 18:51	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Cyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	11/25/2013 18:51	AK
Ethylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Freon-113	BRL	10		ug/L	184164	1	11/25/2013 18:51	AK
Isopropylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
m,p-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Methylcyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
o-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW8
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 3:20:00 PM
Lab ID:	1311I47-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Tetrachloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Toluene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Trichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	11/25/2013 18:51	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	11/25/2013 18:51	AK
Surr: 4-Bromofluorobenzene	91	66.2-120		%REC	184164	1	11/25/2013 18:51	AK
Surr: Dibromofluoromethane	100	79.5-121		%REC	184164	1	11/25/2013 18:51	AK
Surr: Toluene-d8	98.8	77-117		%REC	184164	1	11/25/2013 18:51	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW9
Project Name:	Thomasville National Bank	**Collection Date:**	11/20/2013 8:30:00 AM
Lab ID:	1311I47-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
2-Butanone	BRL	50		ug/L	184164	1	11/25/2013 13:09	AK
2-Hexanone	BRL	10		ug/L	184164	1	11/25/2013 13:09	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	11/25/2013 13:09	AK
Acetone	BRL	50		ug/L	184164	1	11/25/2013 13:09	AK
Benzene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Bromoform	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Bromomethane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Chloroethane	BRL	10		ug/L	184164	1	11/25/2013 13:09	AK
Chloroform	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Chloromethane	BRL	10		ug/L	184164	1	11/25/2013 13:09	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Cyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	11/25/2013 13:09	AK
Ethylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Freon-113	BRL	10		ug/L	184164	1	11/25/2013 13:09	AK
Isopropylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
m,p-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Methylcyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
o-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW9
Project Name:	Thomasville National Bank	**Collection Date:**	11/20/2013 8:30:00 AM
Lab ID:	1311I47-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Tetrachloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Toluene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Trichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	11/25/2013 13:09	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	11/25/2013 13:09	AK
Surr: 4-Bromofluorobenzene	92.5	66.2-120		%REC	184164	1	11/25/2013 13:09	AK
Surr: Dibromofluoromethane	95.2	79.5-121		%REC	184164	1	11/25/2013 13:09	AK
Surr: Toluene-d8	95.9	77-117		%REC	184164	1	11/25/2013 13:09	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW10
Project Name:	Thomasville National Bank	**Collection Date:**	11/20/2013 9:40:00 AM
Lab ID:	1311I47-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
2-Butanone	BRL	50		ug/L	184164	1	11/25/2013 19:20	AK
2-Hexanone	BRL	10		ug/L	184164	1	11/25/2013 19:20	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	11/25/2013 19:20	AK
Acetone	BRL	50		ug/L	184164	1	11/25/2013 19:20	AK
Benzene	15	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Bromoform	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Bromomethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Chloroethane	BRL	10		ug/L	184164	1	11/25/2013 19:20	AK
Chloroform	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Chloromethane	BRL	10		ug/L	184164	1	11/25/2013 19:20	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Cyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	11/25/2013 19:20	AK
Ethylbenzene	13	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Freon-113	BRL	10		ug/L	184164	1	11/25/2013 19:20	AK
Isopropylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
m,p-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Methylcyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
o-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW10
Project Name:	Thomasville National Bank	**Collection Date:**	11/20/2013 9:40:00 AM
Lab ID:	1311I47-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Tetrachloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Toluene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Trichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:20	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	11/25/2013 19:20	AK
Surr: 4-Bromofluorobenzene	95	66.2-120		%REC	184164	1	11/25/2013 19:20	AK
Surr: Dibromofluoromethane	95.1	79.5-121		%REC	184164	1	11/25/2013 19:20	AK
Surr: Toluene-d8	98.9	77-117		%REC	184164	1	11/25/2013 19:20	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW11
Project Name:	Thomasville National Bank	**Collection Date:**	11/20/2013 11:00:00 AM
Lab ID:	1311I47-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
2-Butanone	BRL	50		ug/L	184164	1	11/25/2013 19:48	AK
2-Hexanone	BRL	10		ug/L	184164	1	11/25/2013 19:48	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	11/25/2013 19:48	AK
Acetone	BRL	50		ug/L	184164	1	11/25/2013 19:48	AK
Benzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Bromoform	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Bromomethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Chloroethane	BRL	10		ug/L	184164	1	11/25/2013 19:48	AK
Chloroform	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Chloromethane	BRL	10		ug/L	184164	1	11/25/2013 19:48	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Cyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	11/25/2013 19:48	AK
Ethylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Freon-113	BRL	10		ug/L	184164	1	11/25/2013 19:48	AK
Isopropylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
m,p-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Methylcyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
o-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW11
Project Name:	Thomasville National Bank	**Collection Date:**	11/20/2013 11:00:00 AM
Lab ID:	1311I47-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Tetrachloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Toluene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Trichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	11/25/2013 19:48	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	11/25/2013 19:48	AK
Surr: 4-Bromofluorobenzene	89.3	66.2-120		%REC	184164	1	11/25/2013 19:48	AK
Surr: Dibromofluoromethane	97.9	79.5-121		%REC	184164	1	11/25/2013 19:48	AK
Surr: Toluene-d8	101	77-117		%REC	184164	1	11/25/2013 19:48	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW12
Project Name:	Thomasville National Bank	**Collection Date:**	11/22/2013 10:35:00 AM
Lab ID:	1311I47-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	BRL	1.00		mg/L	R256644	1	11/26/2013 10:57	GR
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
2-Butanone	BRL	50		ug/L	184164	1	11/26/2013 15:27	AK
2-Hexanone	BRL	10		ug/L	184164	1	11/26/2013 15:27	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	11/26/2013 15:27	AK
Acetone	BRL	50		ug/L	184164	1	11/26/2013 15:27	AK
Benzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Bromoform	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Bromomethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Chloroethane	BRL	10		ug/L	184164	1	11/26/2013 15:27	AK
Chloroform	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Chloromethane	BRL	10		ug/L	184164	1	11/26/2013 15:27	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Cyclohexane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	11/26/2013 15:27	AK
Ethylbenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Freon-113	BRL	10		ug/L	184164	1	11/26/2013 15:27	AK
Isopropylbenzene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
m,p-Xylene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW12
Project Name:	Thomasville National Bank	**Collection Date:**	11/22/2013 10:35:00 AM
Lab ID:	1311I47-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Methylcyclohexane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
o-Xylene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Styrene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Tetrachloroethene	40	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Toluene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Trichloroethene	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	11/26/2013 15:27	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	11/26/2013 15:27	AK
Surr: 4-Bromofluorobenzene	93	66.2-120		%REC	184164	1	11/26/2013 15:27	AK
Surr: Dibromofluoromethane	99.7	79.5-121		%REC	184164	1	11/26/2013 15:27	AK
Surr: Toluene-d8	98.5	77-117		%REC	184164	1	11/26/2013 15:27	AK
Laboratory Hydrogen Ion (pH) SW9040C								
pH	7.19	0.01	H	pH Units	R256532	1	11/25/2013 14:00	KB
ION SCAN SW9056A								
Chloride	12	1.0		mg/L	R256579	1	11/22/2013 17:51	GR
Nitrate	0.84	0.25		mg/L	R256579	1	11/22/2013 17:51	GR
Sulfate	42	1.0		mg/L	R256579	1	11/22/2013 17:51	GR
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Ethane	BRL	9		ug/L	184195	1	11/26/2013 16:36	SH
Ethylene	BRL	7		ug/L	184195	1	11/26/2013 16:36	SH
Methane	30	4		ug/L	184195	1	11/26/2013 16:36	SH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW13
Project Name:	Thomasville National Bank	**Collection Date:**	11/22/2013 9:30:00 AM
Lab ID:	1311I47-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
2-Butanone	BRL	50		ug/L	184223	1	11/26/2013 17:20	AK
2-Hexanone	BRL	10		ug/L	184223	1	11/26/2013 17:20	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184223	1	11/26/2013 17:20	AK
Acetone	BRL	50		ug/L	184223	1	11/26/2013 17:20	AK
Benzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Bromodichloromethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Bromoform	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Bromomethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Carbon disulfide	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Carbon tetrachloride	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Chlorobenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Chloroethane	BRL	10		ug/L	184223	1	11/26/2013 17:20	AK
Chloroform	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Chloromethane	BRL	10		ug/L	184223	1	11/26/2013 17:20	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Cyclohexane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Dibromochloromethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Dichlorodifluoromethane	BRL	10		ug/L	184223	1	11/26/2013 17:20	AK
Ethylbenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Freon-113	BRL	10		ug/L	184223	1	11/26/2013 17:20	AK
Isopropylbenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
m,p-Xylene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Methyl acetate	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Methylcyclohexane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Methylene chloride	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
o-Xylene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-MW13
Project Name:	Thomasville National Bank	**Collection Date:**	11/22/2013 9:30:00 AM
Lab ID:	1311I47-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Tetrachloroethene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Toluene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Trichloroethene	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:20	AK
Vinyl chloride	BRL	2.0		ug/L	184223	1	11/26/2013 17:20	AK
Surr: 4-Bromofluorobenzene	90.3	66.2-120		%REC	184223	1	11/26/2013 17:20	AK
Surr: Dibromofluoromethane	100	79.5-121		%REC	184223	1	11/26/2013 17:20	AK
Surr: Toluene-d8	102	77-117		%REC	184223	1	11/26/2013 17:20	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-DUP 1
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 5:10:00 PM
Lab ID:	1311I47-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
2-Butanone	BRL	50		ug/L	184223	1	11/26/2013 17:49	AK
2-Hexanone	BRL	10		ug/L	184223	1	11/26/2013 17:49	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184223	1	11/26/2013 17:49	AK
Acetone	BRL	50		ug/L	184223	1	11/26/2013 17:49	AK
Benzene	9.7	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Bromodichloromethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Bromoform	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Bromomethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Carbon disulfide	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Carbon tetrachloride	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Chlorobenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Chloroethane	BRL	10		ug/L	184223	1	11/26/2013 17:49	AK
Chloroform	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Chloromethane	BRL	10		ug/L	184223	1	11/26/2013 17:49	AK
cis-1,2-Dichloroethene	11	5.0		ug/L	184223	1	11/26/2013 17:49	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Cyclohexane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Dibromochloromethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Dichlorodifluoromethane	BRL	10		ug/L	184223	1	11/26/2013 17:49	AK
Ethylbenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Freon-113	BRL	10		ug/L	184223	1	11/26/2013 17:49	AK
Isopropylbenzene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
m,p-Xylene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Methyl acetate	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Methylcyclohexane	5.8	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Methylene chloride	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
o-Xylene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TNB-1113-DUP 1
Project Name:	Thomasville National Bank	**Collection Date:**	11/21/2013 5:10:00 PM
Lab ID:	1311I47-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Tetrachloroethene	5100	250		ug/L	184223	50	11/27/2013 11:15	AK
Toluene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Trichloroethene	36	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184223	1	11/26/2013 17:49	AK
Vinyl chloride	BRL	2.0		ug/L	184223	1	11/26/2013 17:49	AK
Surr: 4-Bromofluorobenzene	88.6	66.2-120		%REC	184223	50	11/27/2013 11:15	AK
Surr: 4-Bromofluorobenzene	97.2	66.2-120		%REC	184223	1	11/26/2013 17:49	AK
Surr: Dibromofluoromethane	102	79.5-121		%REC	184223	50	11/27/2013 11:15	AK
Surr: Dibromofluoromethane	99.5	79.5-121		%REC	184223	1	11/26/2013 17:49	AK
Surr: Toluene-d8	101	77-117		%REC	184223	50	11/27/2013 11:15	AK
Surr: Toluene-d8	104	77-117		%REC	184223	1	11/26/2013 17:49	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TRIP BLANK
Project Name:	Thomasville National Bank	**Collection Date:**	11/22/2013
Lab ID:	1311I47-015	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
1,1,2-Trichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
1,1-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
1,1-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
1,2-Dibromoethane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
1,2-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
1,2-Dichloroethane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
1,2-Dichloropropane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
1,3-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
1,4-Dichlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
2-Butanone	BRL	50		ug/L	184164	1	11/25/2013 12:13	AK
2-Hexanone	BRL	10		ug/L	184164	1	11/25/2013 12:13	AK
4-Methyl-2-pentanone	BRL	10		ug/L	184164	1	11/25/2013 12:13	AK
Acetone	BRL	50		ug/L	184164	1	11/25/2013 12:13	AK
Benzene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Bromodichloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Bromoform	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Bromomethane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Carbon disulfide	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Carbon tetrachloride	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Chlorobenzene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Chloroethane	BRL	10		ug/L	184164	1	11/25/2013 12:13	AK
Chloroform	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Chloromethane	BRL	10		ug/L	184164	1	11/25/2013 12:13	AK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Cyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Dibromochloromethane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Dichlorodifluoromethane	BRL	10		ug/L	184164	1	11/25/2013 12:13	AK
Ethylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Freon-113	BRL	10		ug/L	184164	1	11/25/2013 12:13	AK
Isopropylbenzene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
m,p-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Methyl acetate	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Methyl tert-butyl ether	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Methylcyclohexane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Methylene chloride	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
o-Xylene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client:	Peachtree Environmental	**Client Sample ID:**	TRIP BLANK
Project Name:	Thomasville National Bank	**Collection Date:**	11/22/2013
Lab ID:	1311I47-015	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Tetrachloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Toluene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Trichloroethene	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Trichlorofluoromethane	BRL	5.0		ug/L	184164	1	11/25/2013 12:13	AK
Vinyl chloride	BRL	2.0		ug/L	184164	1	11/25/2013 12:13	AK
Surr: 4-Bromofluorobenzene	92.5	66.2-120		%REC	184164	1	11/25/2013 12:13	AK
Surr: Dibromofluoromethane	99.6	79.5-121		%REC	184164	1	11/25/2013 12:13	AK
Surr: Toluene-d8	96.7	77-117		%REC	184164	1	11/25/2013 12:13	AK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Pleasantree En Work Order Number 1311147

Checklist completed by MJ 11/22/13
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.1° Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ MS 11/22/13 No ✓

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by MS

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: Peachtree Environmental
Project: Thomasville National Bank
Lab Order: 1311I47

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1311I47-001A	TNB-1113-MW1	11/20/2013 12:25:00PM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/25/2013
1311I47-001B	TNB-1113-MW1	11/20/2013 12:25:00PM	Groundwater	Total Organic Carbon (TOC)			11/26/2013
1311I47-001C	TNB-1113-MW1	11/20/2013 12:25:00PM	Groundwater	Laboratory Hydrogen Ion (pH)			11/25/2013
1311I47-001D	TNB-1113-MW1	11/20/2013 12:25:00PM	Groundwater	ION SCAN			11/22/2013
1311I47-001E	TNB-1113-MW1	11/20/2013 12:25:00PM	Groundwater	GC Analysis of Gaseous Samples		11/26/2013	11/26/2013
1311I47-002A	TNB-1113-MW2	11/20/2013 4:30:00PM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/25/2013
1311I47-002A	TNB-1113-MW2	11/20/2013 4:30:00PM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/26/2013
1311I47-003A	TNB-1113-MW3	11/21/2013 3:10:00PM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/26/2013
1311I47-004A	TNB-1113-MW4	11/21/2013 12:10:00PM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/25/2013
1311I47-005A	TNB-1113-MW5	11/21/2013 5:05:00PM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/25/2013
1311I47-005A	TNB-1113-MW5	11/21/2013 5:05:00PM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/26/2013
1311I47-005B	TNB-1113-MW5	11/21/2013 5:05:00PM	Groundwater	Total Organic Carbon (TOC)			11/26/2013
1311I47-005C	TNB-1113-MW5	11/21/2013 5:05:00PM	Groundwater	Laboratory Hydrogen Ion (pH)			11/25/2013
1311I47-005D	TNB-1113-MW5	11/21/2013 5:05:00PM	Groundwater	ION SCAN			11/22/2013
1311I47-005E	TNB-1113-MW5	11/21/2013 5:05:00PM	Groundwater	GC Analysis of Gaseous Samples		11/26/2013	11/26/2013
1311I47-006A	TNB-1113-MW6	11/21/2013 2:20:00PM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/25/2013
1311I47-007A	TNB-1113-MW7	11/21/2013 2:00:00PM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/25/2013
1311I47-007B	TNB-1113-MW7	11/21/2013 2:00:00PM	Groundwater	Total Organic Carbon (TOC)			11/26/2013
1311I47-007C	TNB-1113-MW7	11/21/2013 2:00:00PM	Groundwater	Laboratory Hydrogen Ion (pH)			11/25/2013
1311I47-007D	TNB-1113-MW7	11/21/2013 2:00:00PM	Groundwater	ION SCAN			11/22/2013
1311I47-007E	TNB-1113-MW7	11/21/2013 2:00:00PM	Groundwater	GC Analysis of Gaseous Samples		11/26/2013	11/26/2013
1311I47-008A	TNB-1113-MW8	11/21/2013 3:20:00PM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/25/2013
1311I47-009A	TNB-1113-MW9	11/20/2013 8:30:00AM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/25/2013
1311I47-010A	TNB-1113-MW10	11/20/2013 9:40:00AM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/25/2013
1311I47-011A	TNB-1113-MW11	11/20/2013 11:00:00AM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/25/2013
1311I47-012A	TNB-1113-MW12	11/22/2013 10:35:00AM	Groundwater	TCL VOLATILE ORGANICS		11/25/2013	11/26/2013
1311I47-012B	TNB-1113-MW12	11/22/2013 10:35:00AM	Groundwater	Total Organic Carbon (TOC)			11/26/2013
1311I47-012C	TNB-1113-MW12	11/22/2013 10:35:00AM	Groundwater	Laboratory Hydrogen Ion (pH)			11/25/2013
1311I47-012D	TNB-1113-MW12	11/22/2013 10:35:00AM	Groundwater	ION SCAN			11/22/2013

Analytical Environmental Services, Inc

Date: 3-Dec-13

Client: Peachtree Environmental
Project: Thomasville National Bank
Lab Order: 1311I47

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1311I47-012E	TNB-1113-MW12	11/22/2013 10:35:00AM	Groundwater	GC Analysis of Gaseous Samples		11/26/2013	11/26/2013
1311I47-013A	TNB-1113-MW13	11/22/2013 9:30:00AM	Groundwater	TCL VOLATILE ORGANICS		11/26/2013	11/26/2013
1311I47-014A	TNB-1113-DUP 1	11/21/2013 5:10:00PM	Groundwater	TCL VOLATILE ORGANICS		11/26/2013	11/26/2013
1311I47-014A	TNB-1113-DUP 1	11/21/2013 5:10:00PM	Groundwater	TCL VOLATILE ORGANICS		11/26/2013	11/27/2013
1311I47-015A	TRIP BLANK	11/22/2013 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		11/25/2013	11/25/2013

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: 184164

Sample ID: **MB-184164**	Client ID:	Units: **ug/L**	Prep Date: **11/25/2013**	Run No: **256447**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **184164**	Analysis Date: **11/25/2013**	Seq No: **5389059**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: 184164

Sample ID: **MB-184164** Client ID: Units: **ug/L** Prep Date: **11/25/2013** Run No: **256447**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184164** Analysis Date: **11/25/2013** Seq No: **5389059**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	47.31	0	50.00		94.6	66.2	120				
Surr: Dibromofluoromethane	49.17	0	50.00		98.3	79.5	121				
Surr: Toluene-d8	48.56	0	50.00		97.1	77	117				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: 184164

Sample ID: **LCS-184164** Client ID: Units: **ug/L** Prep Date: **11/25/2013** Run No: **256447**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184164** Analysis Date: **11/25/2013** Seq No: **5389068**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.63	5.0	50.00		103	63.1	140				
Benzene	51.92	5.0	50.00		104	74.2	129				
Chlorobenzene	54.63	5.0	50.00		109	70	129				
Toluene	52.54	5.0	50.00		105	74.2	129				
Trichloroethene	56.42	5.0	50.00		113	71.2	135				
Surr: 4-Bromofluorobenzene	53.39	0	50.00		107	66.2	120				
Surr: Dibromofluoromethane	51.49	0	50.00		103	79.5	121				
Surr: Toluene-d8	49.05	0	50.00		98.1	77	117				

Sample ID: **1311I47-003AMS** Client ID: **TNB-1113-MW3** Units: **ug/L** Prep Date: **11/25/2013** Run No: **256592**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184164** Analysis Date: **11/26/2013** Seq No: **5390169**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	737.5	50	500.0		148	60.2	159				
Benzene	663.6	50	500.0		133	70.2	138				
Chlorobenzene	652.6	50	500.0		131	70.1	133				
Toluene	662.8	50	500.0		133	70	139				
Trichloroethene	690.2	50	500.0		138	70.1	144				
Surr: 4-Bromofluorobenzene	532.7	0	500.0		107	66.2	120				
Surr: Dibromofluoromethane	526.7	0	500.0		105	79.5	121				
Surr: Toluene-d8	492.6	0	500.0		98.5	77	117				

Sample ID: **1311I47-003AMSD** Client ID: **TNB-1113-MW3** Units: **ug/L** Prep Date: **11/25/2013** Run No: **256592**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184164** Analysis Date: **11/26/2013** Seq No: **5390304**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	758.8	50	500.0		152	60.2	159	737.5	2.85	19.2	
Benzene	668.5	50	500.0		134	70.2	138	663.6	0.736	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: 184164

Sample ID: **1311I47-003AMSD** Client ID: **TNB-1113-MW3** Units: **ug/L** Prep Date: **11/25/2013** Run No: **256592**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184164** Analysis Date: **11/26/2013** Seq No: **5390304**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	651.7	50	500.0		130	70.1	133	652.6	0.138	20	
Toluene	662.3	50	500.0		132	70	139	662.8	0.076	20	
Trichloroethene	730.0	50	500.0		146	70.1	144	690.2	5.60	20	S
Surr: 4-Bromofluorobenzene	528.2	0	500.0		106	66.2	120	532.7	0	0	
Surr: Dibromofluoromethane	550.8	0	500.0		110	79.5	121	526.7	0	0	
Surr: Toluene-d8	512.9	0	500.0		103	77	117	492.6	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: 184195

Sample ID: **MB-184195** Client ID: Units: **ug/L** Prep Date: **11/26/2013** Run No: **256729**
SampleType: **MBLK** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **184195** Analysis Date: **11/26/2013** Seq No: **5392608**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	BRL	9									
Ethylene	BRL	7									
Methane	BRL	4									

Sample ID: **LCS-184195** Client ID: Units: **ug/L** Prep Date: **11/26/2013** Run No: **256729**
SampleType: **LCS** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **184195** Analysis Date: **11/26/2013** Seq No: **5392612**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	131.7	9	200.0		65.9	41.6	115				
Ethylene	88.52	7	200.0		44.3	26.9	115				
Methane	140.5	4	200.0		70.3	45.2	115				

Sample ID: **LCSD-184195** Client ID: Units: **ug/L** Prep Date: **11/26/2013** Run No: **256729**
SampleType: **LCSD** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **184195** Analysis Date: **11/26/2013** Seq No: **5392614**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	134.9	9	200.0		67.5	41.6	115	131.7	2.40	20	
Ethylene	90.77	7	200.0		45.4	26.9	115	88.52	2.51	20	
Methane	142.6	4	200.0		71.3	45.2	115	140.5	1.49	20	

Sample ID: **1311I47-007EMS** Client ID: **TNB-1113-MW7** Units: **ug/L** Prep Date: **11/26/2013** Run No: **256729**
SampleType: **MS** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **184195** Analysis Date: **11/26/2013** Seq No: **5392632**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	118.8	9	200.0		59.4	40.1	115				
Ethylene	79.74	7	200.0		39.9	24.5	115				
Methane	125.2	4	200.0		62.6	41.1	115				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: 184195

Sample ID: **1311I47-007EMSD** Client ID: **TNB-1113-MW7** Units: **ug/L** Prep Date: **11/26/2013** Run No: **256729**
SampleType: **MSD** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **184195** Analysis Date: **11/26/2013** Seq No: **5392633**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	112.9	9	200.0		56.4	40.1	115	118.8	5.07	20	
Ethylene	75.68	7	200.0		37.8	24.5	115	79.74	5.22	20	
Methane	119.7	4	200.0		59.9	41.1	115	125.2	4.45	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 6-Dec-13

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: 184223

Sample ID: **MB-184223** Client ID: Units: **ug/L** Prep Date: **11/26/2013** Run No: **256592**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184223** Analysis Date: **11/26/2013** Seq No: **5391446**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: 184223

Sample ID: **MB-184223** Client ID: Units: **ug/L** Prep Date: **11/26/2013** Run No: **256592**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184223** Analysis Date: **11/26/2013** Seq No: **5391446**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	46.24	0	50.00		92.5	66.2	120				
Surr: Dibromofluoromethane	50.23	0	50.00		100	79.5	121				
Surr: Toluene-d8	49.45	0	50.00		98.9	77	117				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: 184223

Sample ID: **LCS-184223** Client ID: Units: **ug/L** Prep Date: **11/26/2013** Run No: **256592**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184223** Analysis Date: **11/26/2013** Seq No: **5391449**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.24	5.0	50.00		114	63.1	140				
Benzene	53.73	5.0	50.00		107	74.2	129				
Chlorobenzene	54.55	5.0	50.00		109	70	129				
Toluene	55.55	5.0	50.00		111	74.2	129				
Trichloroethene	58.64	5.0	50.00		117	71.2	135				
Surr: 4-Bromofluorobenzene	52.76	0	50.00		106	66.2	120				
Surr: Dibromofluoromethane	53.06	0	50.00		106	79.5	121				
Surr: Toluene-d8	50.46	0	50.00		101	77	117				

Sample ID: **1311I47-014AMS** Client ID: **TNB-1113-DUP 1** Units: **ug/L** Prep Date: **11/26/2013** Run No: **256684**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184223** Analysis Date: **11/27/2013** Seq No: **5391933**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	3660	250	2500		146	60.2	159				
Benzene	3028	250	2500		121	70.2	138				
Chlorobenzene	2810	250	2500		112	70.1	133				
Toluene	3062	250	2500		122	70	139				
Trichloroethene	3180	250	2500		127	70.1	144				
Surr: 4-Bromofluorobenzene	2684	0	2500		107	66.2	120				
Surr: Dibromofluoromethane	2806	0	2500		112	79.5	121				
Surr: Toluene-d8	2639	0	2500		106	77	117				

Sample ID: **1311I47-014AMSD** Client ID: **TNB-1113-DUP 1** Units: **ug/L** Prep Date: **11/26/2013** Run No: **256684**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184223** Analysis Date: **11/27/2013** Seq No: **5391936**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	3408	250	2500		136	60.2	159	3660	7.16	19.2	
Benzene	2916	250	2500		117	70.2	138	3028	3.79	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: 184223

Sample ID: **1311I47-014AMSD** Client ID: **TNB-1113-DUP 1** Units: **ug/L** Prep Date: **11/26/2013** Run No: **256684**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **184223** Analysis Date: **11/27/2013** Seq No: **5391936**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2783	250	2500		111	70.1	133	2810	0.948	20	
Toluene	2888	250	2500		116	70	139	3062	5.85	20	
Trichloroethene	3052	250	2500		122	70.1	144	3180	4.12	20	
Surr: 4-Bromofluorobenzene	2648	0	2500		106	66.2	120	2684	0	0	
Surr: Dibromofluoromethane	2798	0	2500		112	79.5	121	2806	0	0	
Surr: Toluene-d8	2546	0	2500		102	77	117	2639	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: **R256532**

Sample ID: **LCS-R256532** Client ID: Units: **pH Units** Prep Date: Run No: **256532**
SampleType: **LCS** TestCode: **Laboratory Hydrogen Ion (pH) SW9040C** BatchID: **R256532** Analysis Date: **11/25/2013** Seq No: **5388260**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH	7.010	0.01	7.000		100	90	110				

Sample ID: **1311G05-005ADUP** Client ID: Units: **pH Units** Prep Date: Run No: **256532**
SampleType: **DUP** TestCode: **Laboratory Hydrogen Ion (pH) SW9040C** BatchID: **R256532** Analysis Date: **11/25/2013** Seq No: **5388291**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
pH	6.590	0.01						6.440	2.30	10	H

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: R256579

Sample ID: **MB-R256579** Client ID: Units: **mg/L** Prep Date: Run No: **256579**
SampleType: **MBLK** TestCode: **ION SCAN SW9056A** BatchID: **R256579** Analysis Date: **11/22/2013** Seq No: **5389252**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	BRL	1.0									
Nitrate	BRL	0.25									
Sulfate	BRL	1.0									

Sample ID: **LCS-R256579** Client ID: Units: **mg/L** Prep Date: Run No: **256579**
SampleType: **LCS** TestCode: **ION SCAN SW9056A** BatchID: **R256579** Analysis Date: **11/22/2013** Seq No: **5389259**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	9.932	1.0	10.00		99.3	90	110				
Nitrate	4.665	0.25	5.000		93.3	90	110				
Sulfate	23.00	1.0	25.00		92.0	90	110				

Sample ID: **1311H50-001AMS** Client ID: Units: **mg/L** Prep Date: Run No: **256579**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R256579** Analysis Date: **11/22/2013** Seq No: **5389268**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	121.6	5.0	50.00	60.71	122	90	110				S
Nitrate	35.66	1.2	25.00	8.352	109	90	110				
Sulfate	172.1	5.0	125.0	36.83	108	90	110				

Sample ID: **1311H50-001AMSD** Client ID: Units: **mg/L** Prep Date: Run No: **256579**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R256579** Analysis Date: **11/22/2013** Seq No: **5389277**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	104.7	5.0	50.00	60.71	88.0	90	110	121.6	14.9	20	S
Nitrate	31.56	1.2	25.00	8.352	92.8	90	110	35.66	12.2	20	
Sulfate	150.4	5.0	125.0	36.83	90.8	90	110	172.1	13.5	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Peachtree Environmental
Project Name: Thomasville National Bank
Workorder: 1311I47

ANALYTICAL QC SUMMARY REPORT

BatchID: R256644

Sample ID: **MB-R256644** Client ID: Units: **mg/L** Prep Date: Run No: **256644**
SampleType: **MBLK** TestCode: **Total Organic Carbon (TOC) SW9060A** BatchID: **R256644** Analysis Date: **11/26/2013** Seq No: **5390607**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	BRL	1.00									

Sample ID: **LCS-R256644** Client ID: Units: **mg/L** Prep Date: Run No: **256644**
SampleType: **LCS** TestCode: **Total Organic Carbon (TOC) SW9060A** BatchID: **R256644** Analysis Date: **11/26/2013** Seq No: **5390605**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	25.51	1.00	25.00		102	90	110				

Sample ID: **1311I47-007BMS** Client ID: **TNB-1113-MW7** Units: **mg/L** Prep Date: Run No: **256644**
SampleType: **MS** TestCode: **Total Organic Carbon (TOC) SW9060A** BatchID: **R256644** Analysis Date: **11/26/2013** Seq No: **5390623**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	23.87	1.00	25.00	0.4568	93.7	80	120				

Sample ID: **1311I47-007BMSD** Client ID: **TNB-1113-MW7** Units: **mg/L** Prep Date: Run No: **256644**
SampleType: **MSD** TestCode: **Total Organic Carbon (TOC) SW9060A** BatchID: **R256644** Analysis Date: **11/26/2013** Seq No: **5390626**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Total	24.13	1.00	25.00	0.4568	94.7	80	120	23.87	1.08	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX C

SOIL BORING LOGS

SOIL BORING: B-1		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/21/13	**DATE COMPLETED:** 11/21/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** ASPHALT	**LOGGED BY:** JPC
INSTALLATION METHOD: DIRECT PUSH	**ELEVATION AT TOP OF CASING (TOC):** N/A	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** N/A	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** N/A	

DEPTH (ft)	Samples: Number	Interval & Type	PID Reading	Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
					ASPHALT SURFACE COVER			
0							NOT-APPLICABLE. SOIL BORING ONLY WITH NO MONITORING WELL INSTALLED.	0
2	1	0 - 2'	0.0	50%	ASPHALT COVER FOLLOWED BY TAN, GRAY SAND FROM 6" TO 2', NO ODOR			2
4	2	2' - 4'	0.0	100%				4
6	3	4' - 6'	0.0	100%	ORANGE/RED CLAY, FINE AND VERY PLASTIC WITH TRACE SAND TO APPROXIMATELY 10', NO ODOR			6
8	4	6' - 8'	0.0	100%				8
10	5	8' - 10'	0.0	100%				10
12	6	10' - 12'	0.0	100%	ORANGE, YELLOW, RED MOTTLED CLAY WITH SOME KAOLIN EXTENDING TO 15', NO ODOR			12
14	7	12' - 14'	0.0	100%				14
16	8	15'	0.0	100%	SOIL SAMPLING TERMINATED AT 15'			16
18					COLLECT SOIL SAMPLE B-1 - 10'			18
20								20
22								22
24								24
26								26
28								28
30								30
32								32
34								34
36								36
38								38
40								40
42								42
44								44
46								46
48								48
50								50
52								52
54								54
56								56
58								58

SOIL BORING - B-1

Peachtree Environmental

SOIL BORING: B-2		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/21/13	**DATE COMPLETED:** 11/21/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** ASPHALT	**LOGGED BY:** JPC
INSTALLATION METHOD: DIRECT PUSH	**ELEVATION AT TOP OF CASING (TOC):** N/A	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** N/A	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** N/A	

DEPTH (ft)	Samples: Number	Interval & Type	PID Reading	Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					ASPHALT SURFACE COVER			0
2	1	0 - 2'	0.0	50%	ASPHALT COVER FOLLOWED BY TAN, GRAY SAND FROM 6" TO 2', NO ODOR		NOT-APPLICABLE. SOIL BORING ONLY WITH NO MONITORING WELL INSTALLED.	2
4	2	2' - 4'	0.0	100%				4
6	3	4' - 6'	2.4	100%	ORANGE/RED/TAN CLAY, FINE AND VERY PLASTIC WITH TRACE SAND TO APPROXIMATELY 12', NO ODOR			6
8	4	6' - 8'	0.0	100%				8
10	5	8' - 10'	3.3	100%				10
12	6	10' - 12'	4.7	100%				12
14	7	12' - 14'	1.9	100%	ORANGE, YELLOW, RED MOTTLED CLAY WITH SOME KAOLIN EXTENDING TO 15', NO ODOR			14
16	8	15'	0.0	100%	SOIL SAMPLING TERMINATED AT 15'			16
18					COLLECT SOIL SAMPLES B-2 - 5' B-2 - 9' B-2 - 12'			18
20								20
22								22
24								24
26								26
28								28
30								30
32								32
34								34
36								36
38								38
40								40
42								42
44								44
46								46
48								48
50								50
52								52
54								54
56								56
58								58

SOIL BORING - B-2

Peachtree Environmental

SOIL BORING: B-3		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/21/13	**DATE COMPLETED:** 11/21/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** ASPHALT	**LOGGED BY:** JPC
INSTALLATION METHOD: DIRECT PUSH	**ELEVATION AT TOP OF CASING (TOC):** N/A	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** N/A	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** N/A	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					ASPHALT SURFACE COVER			0
2	1	0 - 2'	0.0	50%	ASPHALT COVER FOLLOWED BY TAN, GRAY SAND FROM 6" TO 2' - OLD ASPHALT LAYER AT 3 -4', NO ODOR		NOT-APPLICABLE. SOIL BORING ONLY WITH NO MONITORING WELL INSTALLED.	2
4	2	2' - 4'	0.0	100%				4
6	3	4' - 6'	0.0	100%	ORANGE/RED CLAY, FINE AND VERY PLASTIC WITH TRACE SAND TO APPROXIMATELY 10', NO ODOR			6
8	4	6' - 8'	0.8	100%				8
10	5	8' - 10'	0.0	100%				10
12	6	10' - 12'	0.0	100%	ORANGE, YELLOW, RED MOTTLED CLAY WITH KAOLIN EXTENDING TO 15', NO ODOR			12
14	7	12' - 14'	0.0	100%				14
16	8	15'	0.0	100%	SOIL SAMPLING TERMINATED AT 15'			16
18					COLLECT SOIL SAMPLE B-3 - 7'			18
20								20
22								22
24								24
26								26
28								28
30								30
32								32
34								34
36								36
38								38
40								40
42								42
44								44
46								46
48								48
50								50
52								52
54								54
56								56
58								58

SOIL BORING - B-3

Peachtree Environmental

SOIL BORING: B-4		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/21/13	**DATE COMPLETED:** 11/21/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** GRASS	**LOGGED BY:** JPC
INSTALLATION METHOD: DIRECT PUSH	**ELEVATION AT TOP OF CASING (TOC):** N/A	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** N/A	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** N/A	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					GRASS SURFACE COVER			0
2	1	0 - 2'	0.0	50%	GRASS COVER FOLLOWED BY DARK ORGANIC SOILS AND SAND FROM 6" TO 2', NO ODOR		NOT-APPLICABLE. SOIL BORING ONLY WITH NO MONITORING WELL INSTALLED.	2
4	2	2' - 4'	0.0	100%	ORANGE/RED CLAY, FINE AND VERY PLASTIC WITH TRACE SAND TO APPROXIMATELY 10', NO ODOR			4
6	3	4' - 6'	0.0	100%				6
8	4	6' - 8'	0.4	100%				8
10	5	8' - 10'	0.0	100%				10
12	6	10' - 12'	0.0	100%	ORANGE, YELLOW, RED MOTTLED CLAY WITH KAOLIN EXTENDING TO 15', NO ODOR			12
14	7	12' - 14'	0.0	100%				14
16	8	15'	0.0	100%	SOIL SAMPLING TERMINATED AT 15' COLLECT SOIL SAMPLE B-4 - 7'			16
18								18
20								20
22								22
24								24
26								26
28								28
30								30
32								32
34								34
36								36
38								38
40								40
42								42
44								44
46								46
48								48
50								50
52								52
54								54
56								56
58								58

SOIL BORING - B-4

Peachtree Environmental

SOIL BORING: B-5		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/21/13	**DATE COMPLETED:** 11/21/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** GRASS	**LOGGED BY:** JPC
INSTALLATION METHOD: DIRECT PUSH	**ELEVATION AT TOP OF CASING (TOC):** N/A	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** N/A	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** N/A	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					GRASS SURFACE COVER			0
2	1	0 - 2'	0.0	50%	GRASS COVER FOLLOWED BY DARK ORGANIC SOILS AND SAND FROM 6" TO 2', NO ODOR		NOT-APPLICABLE. SOIL BORING ONLY WITH NO MONITORING WELL INSTALLED.	2
4	2	2' - 4'	0.0	100%				4
6	3	4' - 6'	0.0	100%	RED CLAY, FINE AND VERY PLASTIC WITH TRACE SAND TO APPROXIMATELY 8', NO ODOR			6
8	4	6' - 8'	0.0	100%				8
10	5	8' - 10'	0.0	100%				10
12	6	10' - 12'	0.0	100%	ORANGE, YELLOW, RED MOTTLED CLAY WITH KAOLIN EXTENDING TO 15', NO ODOR			12
14	7	12' - 14'	0.0	100%				14
16	8	15'	0.0	100%	SOIL SAMPLING TERMINATED AT 15'			16
18					COLLECT SOIL SAMPLE B-5 - 7'			18
20								20
22								22
24								24
26								26
28								28
30								30
32								32
34								34
36								36
38								38
40								40
42								42
44								44
46								46
48								48
50								50
52								52
54								54
56								56
58								58

SOIL BORING - B-5

Peachtree Environmental

SOIL BORING: B-6		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/21/13	**DATE COMPLETED:** 11/21/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** GRASS	**LOGGED BY:** JPC
INSTALLATION METHOD: DIRECT PUSH	**ELEVATION AT TOP OF CASING (TOC):** N/A	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** N/A	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** N/A	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					GRASS SURFACE COVER			0
2	1	0 - 2'	0.0	50%	GRASS COVER FOLLOWED BY DARK ORGANIC SOILS AND SAND FROM 6" TO 2', NO ODOR		NOT-APPLICABLE. SOIL BORING ONLY WITH NO MONITORING WELL INSTALLED.	2
4	2	2' - 4'	0.0	100%	RED CLAY, FINE AND VERY PLASTIC WITH TRACE SAND TO APPROXIMATELY 7, NO ODOR			4
6	3	4' - 6'	0.0	100%				6
8	4	6' - 8'	0.0	100%				8
10	5	8' - 10'	0.0	100%	ORANGE, YELLOW, RED MOTTLED CLAY WITH KAOLIN EXTENDING TO 15', NO ODOR			10
12	6	10' - 12'	0.0	100%				12
14	7	12' - 14'	0.0	100%				14
16	8	15'	0.0	100%	SOIL SAMPLING TERMINATED AT 15'			16
18					COLLECT SOIL SAMPLE B-6 - 7'			18
20								20
22								22
24								24
26								26
28								28
30								30
32								32
34								34
36								36
38								38
40								40
42								42
44								44
46								46
48								48
50								50
52								52
54								54
56								56
58								58

SOIL BORING - B-6

Peachtree Environmental

SOIL BORING: B-7		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/21/13	**DATE COMPLETED:** 11/21/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** GRASS	**LOGGED BY:** JPC
INSTALLATION METHOD: DIRECT PUSH	**ELEVATION AT TOP OF CASING (TOC):** N/A	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** N/A	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** N/A	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					GRASS SURFACE COVER			0
2	1	0 - 2'	0.0	50%	GRASS COVER FOLLOWED BY DARK ORGANIC SOILS AND SAND FROM 6" TO 2', NO ODOR		NOT-APPLICABLE. SOIL BORING ONLY WITH NO MONITORING WELL INSTALLED.	2
4	2	2' - 4'	0.0	100%	RED CLAY, FINE AND VERY PLASTIC WITH TRACE SAND TO APPROXIMATELY 7, NO ODOR			4
6	3	4' - 6'	0.0	100%				6
8	4	6' - 8'	0.2	100%				8
10	5	8' - 10'	0.0	100%				10
12	6	10' - 12'	0.0	100%	ORANGE, YELLOW, RED MOTTLED CLAY WITH KAOLIN EXTENDING TO 15', NO ODOR			12
14	7	12' - 14'	0.0	100%				14
16	8	15'	0.0	100%	SOIL SAMPLING TERMINATED AT 15'			16
18					COLLECT SOIL SAMPLE B-7 - 7'			18
20								20
22								22
24								24
26								26
28								28
30								30
32								32
34								34
36								36
38								38
40								40
42								42
44								44
46								46
48								48
50								50
52								52
54								54
56								56
58								58

SOIL BORING - B-7

Peachtree Environmental

SOIL BORING: B-8		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/21/13	**DATE COMPLETED:** 11/21/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** GRASS	**LOGGED BY:** JPC
INSTALLATION METHOD: DIRECT PUSH	**ELEVATION AT TOP OF CASING (TOC):** N/A	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** N/A	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** N/A	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					GRASS SURFACE COVER			0
2	1	0 - 2'	0.0	50%	GRASS COVER FOLLOWED BY DARK ORGANIC SOILS AND SAND FROM 6" TO 2', NO ODOR		NOT-APPLICABLE. SOIL BORING ONLY WITH NO MONITORING WELL INSTALLED.	2
4	2	2' - 4'	0.0	100%	RED CLAY, FINE AND VERY PLASTIC WITH TRACE SAND TO APPROXIMATELY 8.5' PETROLEUM ODOR AT 8'			4
6	3	4' - 6'	0.0	100%				6
8	4	6' - 8'	2.4	100%				8
10	5	8' - 10'	0.0	100%	ORANGE, YELLOW, RED MOTTLED CLAY WITH KAOLIN EXTENDING TO 15', NO ODOR			10
12	6	10' - 12'	0.0	100%				12
14	7	12' - 14'	0.0	100%				14
16	8	15'	0.0	100%	SOIL SAMPLING TERMINATED AT 15' COLLECT SOIL SAMPLE B-8 - 7'			16
18								18
20								20
22								22
24								24
26								26
28								28
30								30
32								32
34								34
36								36
38								38
40								40
42								42
44								44
46								46
48								48
50								50
52								52
54								54
56								56
58								58

SOIL BORING - B-8

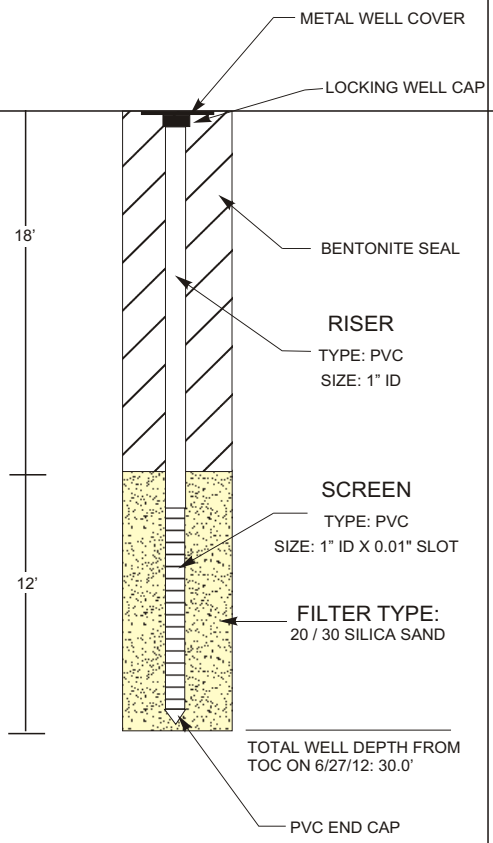
Peachtree Environmental

APPENDIX D

MONITORING WELL DIAGRAMS

MONITORING WELL: MW-6		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 6/27/12	**DATE COMPLETED:** 6/27/12
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** PINESTRAW	**LOGGED BY:** JPC
INSTALLATION METHOD: DIRECT PUSH	**ELEVATION AT TOP OF CASING (TOC):** 97.92 FT	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** 26.70 FT	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** 3.30 FT	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description		WL	Monitoring Well Details	DEPTH (ft)
0						PINESTRAW COVER			0
2									2
4									4
6									6
8									8
10									10
12						DIRECT PUSH TO 30' - LITHOLOGY WAS NOT OBSERVED			12
14									14
16									16
18									18
20									20
22									22
24							26.70'		24
26									26
28									28
30						BORING TERMINATED AT 30'			30
32									32
34									34
36									36
38									38
40									40
42									42
44									44
46									46
48									48
50									50
52									52
54									54
56									56
58									58



MONITORING WELL - MW-6

Peachtree Environmental

MONITORING WELL: MW-7		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 6/27/12	**DATE COMPLETED:** 6/27/12
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** GRASS	**LOGGED BY:** JPC
INSTALLATION METHOD: H.S.A.	**ELEVATION AT TOP OF CASING (TOC):** 80.74 FT	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** 12.80 FT	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** 8.20 FT	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					GRASS COVER - LITHOLOGY OBSERVED FROM SOIL CUTTINGS		METAL WELL VAULT AND COVER; LOCKING WELL CAP; 2' x 2' x 6" CEMENT PAD	0
2, 4, 6, 8					GRASS, ORGANIC SOILS FOLLOWED BY ORANGE/RED CLAY TO 10', NO ODOR		18'; BENTONITE SEAL	2, 4, 6, 8
10, 12, 14, 16, 18					ORANGE CLAY, TRACE SAND 20', DAMP, NO ODOR	12.80'	RISER TYPE: PVC SIZE: 2" ID	10, 12, 14, 16, 18
20, 22, 24, 26, 28					ORANGE CLAY WITH SAND TO 30', WET, NO ODOR		12'; SCREEN TYPE: PVC SIZE: 2" ID X 0.01" SLOT; FILTER TYPE: 20 / 30 SILICA SAND	20, 22, 24, 26, 28
30					BORING TERMINATED AT 30'		TOTAL WELL DEPTH FROM TOC ON 6/27/12: 30.0'; PVC END CAP	30
32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58								32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58

MONITORING WELL - MW-7

Peachtree Environmental

MONITORING WELL: MW-8		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 6/28/12	**DATE COMPLETED:** 6/28/12
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** GRASS	**LOGGED BY:** JPC
INSTALLATION METHOD: H.S.A.	**ELEVATION AT TOP OF CASING (TOC):** 99.90 FT	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** 27.55 FT	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** 7.45 FT	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
					GRASS COVER - LITHOLOGY OBSERVED FROM SOIL CUTTINGS		METAL WELL VAULT AND COVER; LOCKING WELL CAP; 2' x 2' x 6" CEMENT PAD	
0, 2, 4, 6, 8					GRASS, ORANGE/RED CLAY TO 10', NO ODOR		BENTONITE SEAL	
10, 12, 14, 16, 18					ORANGE, TAN CLAY, TRACE SAND TO 20', NO ODOR		23'; RISER TYPE: PVC SIZE: 2" ID	
20, 22, 24, 26, 28, 30, 32, 34					ORANGE CLAY WITH SAND TO 30', WET, NO OODOR	27.55'	12'; SCREEN TYPE: PVC SIZE: 2" ID X 0.01" SLOT; FILTER TYPE: 20 / 30 SILICA SAND	
36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58					BORING TERMINATED AT 35'		TOTAL WELL DEPTH FROM TOC ON 6/28/12: 35.0'; PVC END CAP	

MONITORING WELL - MW-8

Peachtree Environmental

MONITORING WELL: MW-9		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/18/13	**DATE COMPLETED:** 11/18/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** GRASS	**LOGGED BY:** JPC
INSTALLATION METHOD: H.S.A.	**ELEVATION AT TOP OF CASING (TOC):** 81.19 FT	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** 12.71 FT	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** 7.29 FT	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					GRASS COVER - LITHOLOGY OBSERVED FROM SOIL CUTTINGS		METAL WELL VAULT AND COVER; LOCKING WELL CAP; 2' x 2' x 6" CEMENT PAD	0
2, 4, 6, 8					GRASS, ORGANIC SOILS FOLLOWED BY ORANGE/RED CLAY TO 5', ORANGE, RED, YELLOW, MOTTLED CLAY TO 10' NO ODOR		8'; BENTONITE SEAL; RISER TYPE: PVC SIZE: 2" ID	2, 4, 6, 8
10, 12, 14, 16, 18					ORANGE, TAN CLAY, MOIST AT 15', CLAY AND TRACE SAND TO 20', WET, NO ODOR	12.71' ▼	12'; SCREEN TYPE: PVC SIZE: 2" ID X 0.01" SLOT; FILTER TYPE: 20 / 30 SILICA SAND	10, 12, 14, 16, 18
20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58					BORING TERMINATED AT 20'		TOTAL WELL DEPTH FROM TOC ON 11/18/13: 20.0'; PVC END CAP	20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58

MONITORING WELL - MW-9

Peachtree Environmental

MONITORING WELL: MW-10		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/19/13	**DATE COMPLETED:** 11/19/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** GRASS	**LOGGED BY:** JPC
INSTALLATION METHOD: H.S.A.	**ELEVATION AT TOP OF CASING (TOC):** 85.67 FT	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** 18.17 FT	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** 7.83 FT	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					GRASS COVER - LITHOLOGY OBSERVED FROM SOIL CUTTINGS		METAL WELL VAULT AND COVER; LOCKING WELL CAP; 2' x 2' x 6" CEMENT PAD	0
2, 4, 6, 8					GRASS, ORGANIC SOILS, WOOD FRAGMENTS FOLLOWED BY ORANGE/RED CLAY TO 10', NO ODOR		14'; BENTONITE SEAL; RISER TYPE: PVC SIZE: 2" ID	2, 4, 6, 8
10, 12, 14, 16, 18, 20, 22, 24					ORANGE, RED, GRAY CLAY, MOIST AT 16', CLAY AND TRACE SAND TO 20', WET TO 26', NO ODOR	18.17 ▼	12'; SCREEN TYPE: PVC SIZE: 2" ID X 0.01" SLOT; FILTER TYPE: 20 / 30 SILICA SAND	10, 12, 14, 16, 18, 20, 22, 24
26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58					BORING TERMINATED AT 26'		TOTAL WELL DEPTH FROM TOC ON 11/19/13: 26.0'; PVC END CAP	26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58

MONITORING WELL - MW-10

Peachtree Environmental

MONITORING WELL: MW-11		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/19/13	**DATE COMPLETED:** 11/19/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** PINESTRAW	**LOGGED BY:** JPC
INSTALLATION METHOD: H.S.A.	**ELEVATION AT TOP OF CASING (TOC):** 90.65 FT	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** 19.91 FT	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** 6.09 FT	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					PINESTRAW COVER - LITHOLOGY OBSERVED FROM SOIL CUTTINGS		METAL WELL VAULT AND COVER; LOCKING WELL CAP; 2' x 2' x 6" CEMENT PAD	0
2, 4, 6, 8					GRASS, ORGANIC SOILS, ORANGE/RED CLAY TO 10', NO ODOR		BENTONITE SEAL; 14'; RISER TYPE: PVC SIZE: 2" ID	2, 4, 6, 8
10, 12, 14, 16, 18, 20, 22, 24					ORANGE, RED CLAY, COMPACTED AT 15', MOIST AT 20', CLAY AND TRACE SAND TO 20', WET TO 26', NO ODOR	19.91 ▼	12'; SCREEN TYPE: PVC SIZE: 2" ID X 0.01" SLOT; FILTER TYPE: 20 / 30 SILICA SAND	10, 12, 14, 16, 18, 20, 22, 24
26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58					BORING TERMINATED AT 26'		TOTAL WELL DEPTH FROM TOC ON 11/19/13: 26.0'; PVC END CAP	26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58

MONITORING WELL - MW-11

Peachtree Environmental

MONITORING WELL: MW-12		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/20/13	**DATE COMPLETED:** 11/20/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** GRASS	**LOGGED BY:** JPC
INSTALLATION METHOD: H.S.A.	**ELEVATION AT TOP OF CASING (TOC):** 65.53 FT	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** 3.57 FT	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** 11.43 FT	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					GRASS COVER - LITHOLOGY OBSERVED FROM SOIL CUTTINGS			0
2						3.57'		2
4								4
6					GRASS, ORGANIC SOILS FOLLOWED BY ORANGE/RED CLAY TO 5', WET, ORANGE, RED, YELLOW, GRAY, ALLUVIAL CLAY TO 15', NO ODOR			6
8								8
10								10
12								12
14								14
16					BORING TERMINATED AT 15'			16
18								18
20								20
22								22
24								24
26								26
28								28
30								30
32								32
34								34
36								36
38								38
40								40
42								42
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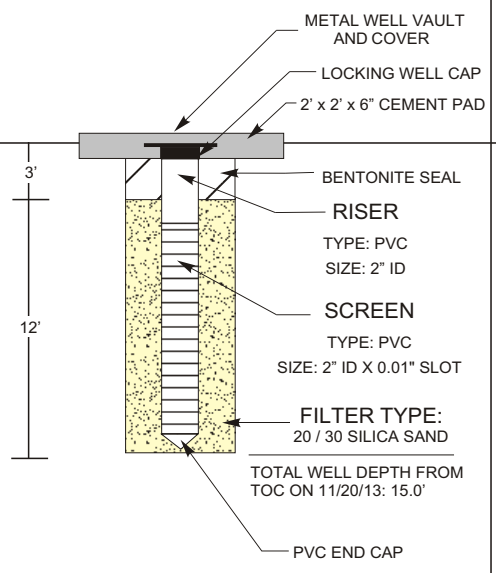
58								58



MONITORING WELL - MW-12

Peachtree Environmental

MONITORING WELL: MW-13		PAGE 1 OF 1
FACILITY: THOMASVILLE NATIONAL BANK	**DATE STARTED:** 11/21/13	**DATE COMPLETED:** 11/21/13
LOCATION: THOMASVILLE, GEORGIA	**SURFACE:** ASPHALT	**LOGGED BY:** JPC
INSTALLATION METHOD: H.S.A.	**ELEVATION AT TOP OF CASING (TOC):** 97.16 FT	
DRILLER: EM SERVICES	**DEPTH TO WATER (TOC):** 21.54 FT	
DRILL RIG TYPE: TRACK-MOUNTED GEOPROBE UNIT	**STATIC WATER COLUMN:** 8.46 FT	

DEPTH (ft)	Samples: Number	Samples: Interval & Type	Samples: PID Reading	Samples: Recovery	Subsurface Soil Description	WL	Monitoring Well Details	DEPTH (ft)
0					ASPHALT COVER - LITHOLOGY OBSERVED FROM SOIL CUTTINGS		METAL WELL VAULT AND COVER; LOCKING WELL CAP; 2' x 2' x 6" CEMENT PAD	0
2, 4, 6, 8					ASPHALT, TANSAND TO 1', FOLLOWED BY ORANGE/RED CLAY TO 10', NO ODOR		18'; BENTONITE SEAL	2, 4, 6, 8
10, 12, 14, 16, 18					ORANGE, YELLOW CLAY, TRACE SAND TO 20', DAMP, NO ODOR		RISER TYPE: PVC SIZE: 2" ID	10, 12, 14, 16, 18
20, 22, 24, 26, 28					ORANGE CLAY WITH SAND, WET 25' - 30', NO ODOR	21.54'	12'; SCREEN TYPE: PVC SIZE: 2" ID X 0.01" SLOT; FILTER TYPE: 20 / 30 SILICA SAND	20, 22, 24, 26, 28
30					BORING TERMINATED AT 30'		TOTAL WELL DEPTH FROM TOC ON 11/21/13: 30.0'; PVC END CAP	30
32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58								32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58

MONITORING WELL - MW-13

Peachtree Environmental

APPENDIX E

MONITORING WELL PURGING AND SAMPLING INFORMATION SHEETS

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/20/13

WELL INFORMATION

Well Identification No:	**MW-1**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	30.00 feet		
Depth to Water from TOC:	24.61 feet		
Length of Static Water Column:	5.39 feet		
Screen Interval:	20.00 - 30.00 feet		

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.041 (1-inch well)	0.652	(4-inch well)
	0.163 (2-inch well)	1.02	(5-inch well)
	0.367 (3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	0.88 gallons	2.64 gallons
	(1 well volume)	(3 well volumes)

WELL PURGING INFORMATION

Purging method: Peristaltic pump with one-time use Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 27 feet

Reading	Time	pH	Temp. (^oC)	Conductivity (ms/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	11:55	4.88	21.89	0.081	157.0	4.60	227	0.06	0.50
1	12:00	4.81	22.19	0.080	106.0	3.92	234	0.06	1.00
2	12:05	4.73	22.65	0.078	80.14	3.09	243	0.05	1.50
3	12:10	4.71	22.79	0.075	68.60	2.81	245	0.05	2.00
4	12:15	4.70	22.86	0.072	66.40	2.70	247	0.05	2.50
5	12:20	4.70	22.93	0.068	57.30	2.76	236	0.05	3.00
6	12:25	4.70	23.00	0.066	45.7	2.77	235	0.05	3.50
7									

Purged Volume: Purged approximately 3.5 gallons

WELL SAMPLING INFORMATION

Method of sampling: Peristaltic pump with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: N/A - One-time use teflon tubing.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW1	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/20/13

WELL INFORMATION

Well Identification No:	**MW-2**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	30.00 feet		
Depth to Water from TOC:	25.14 feet		
Length of Static Water Column:	4.86 feet		
Screen Interval:	20.00 - 30.00 feet		

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.041 (1-inch well)	0.652	(4-inch well)
	0.163 (2-inch well)	1.02	(5-inch well)
	0.367 (3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	0.79 gallons	2.38 gallons
	(1 well volume)	(3 well volumes)

WELL PURGING INFORMATION

Purging method: Stainless steel submersible pump with adjustable flow rate and Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 27 feet.

Reading	Time	pH	Temp. (^oC)	Conductivity (ms/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	16:00	5.73	22.74	0.142	52.80	17.28	-15	0.10	0.25
1	16:05	5.76	23.01	0.140	35.4	1.06	-27	0.10	0.50
2	16:10	5.78	23.14	0.138	18.4	0.60	-34	0.10	1.00
3	16:15	5.81	23.32	0.137	11.6	0.18	-43	0.10	1.50
4	16:20	5.83	23.45	0.136	6.85	0.00	-49	0.10	2.00
5	16:25	5.83	23.45	0.136	6.15	0.00	-51	0.10	2.50
6	16:30	5.83	23.35	0.138	5.08	0.00	-54	0.10	3.00
7									

Purged Volume: Purged approximately 3.0 gallons

WELL SAMPLING INFORMATION

Method of sampling: Adjusted to low flow with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: Stainless steel pump submersed in tub with Alkanox detergent. Exterior scrub and Alkanox circulation through pump followed by rinse/circulation in potable water tub.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW2	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/21/13

WELL INFORMATION

Well Identification No:	**MW-3**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	29.00 feet		
Depth to Water from TOC:	24.37 feet		
Length of Static Water Column:	4.63 feet		
Screen Interval:	19.00 - 29.00 feet		

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.041 (1-inch well)	0.652	(4-inch well)
	0.163 (2-inch well)	1.02	(5-inch well)
	0.367 (3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	0.75 gallons	2.26 gallons
	(1 well volume)	(3 well volumes)

WELL PURGING INFORMATION

Purging method: Peristaltic pump with one-time use Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 27 feet.

Reading	Time	pH	Temp. (^oC)	Conductivity (ms/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	14:40	5.46	23.74	0.161	68.4	0.87	77	0.11	0.25
1	14:45	5.24	23.89	0.141	33.0	0.08	129	0.10	0.50
2	14:50	5.00	23.94	0.128	12.4	0.00	161	0.09	1.00
3	14:55	4.99	23.97	0.127	6.68	0.00	172	0.09	1.50
4	15:00	4.97	23.97	0.126	4.37	0.00	178	0.09	2.00
5	15:05	4.91	23.97	0.124	1.41	0.00	193	0.09	2.50
6	15:10	4.89	23.96	0.124	2.04	0.00	197	0.09	3.00
7									

Purged Volume: Purged approximately 3.0 gallons

WELL SAMPLING INFORMATION

Method of sampling: Peristaltic pump with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: N/A - One-time use teflon tubing.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW3	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/21/13

WELL INFORMATION

Well Identification No:	**MW-4**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	30.00 feet		
Depth to Water from TOC:	23.50 feet		
Length of Static Water Column:	6.50 feet		
Screen Interval:	20.00 - 30.00 feet		

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.041 (1-inch well)	0.652	(4-inch well)
	0.163 (2-inch well)	1.02	(5-inch well)
	0.367 (3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	1.06 gallons	3.18 gallons
	(1 well volume)	(3 well volumes)

WELL PURGING INFORMATION

Purging method: Peristaltic pump with one-time use Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 27 feet.

Reading	Time	pH	Temp. (^oC)	Conductivity (ms/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	11:40	5.76	23.53	0.382	178	4.06	190	0.27	0.25
1	11:45	5.76	23.71	0.386	159	2.63	190	0.27	1.00
2	11:50	5.75	24.05	0.395	106	1.61	171	0.28	1.50
3	11:55	5.80	24.11	0.400	56.0	1.37	136	0.28	2.00
4	12:00	5.84	24.18	0.388	36.5	1.12	119	0.27	2.50
5	12:05	5.84	24.25	0.382	31.2	1.03	112	0.27	3.00
6	12:10	5.84	24.26	0.378	23.9	0.96	107	0.26	3.50
7									

Purged Volume: Purged approximately 3.50 gallons

WELL SAMPLING INFORMATION

Method of sampling: Peristaltic pump with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: N/A - One-time use teflon tubing.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW4	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/21/13

WELL INFORMATION

Well Identification No:	**MW-5**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	34.00 feet		
Depth to Water from TOC:	26.03 feet		
Length of Static Water Column:	7.97 feet		
Screen Interval:	24.00 - 34.00 feet		

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.041	(1-inch well)	0.652	(4-inch well)
	0.163	**(2-inch well)**	1.02	(5-inch well)
	0.367	(3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	1.30 gallons		3.90 gallons	
		(1 well volume)		(3 well volumes)

WELL PURGING INFORMATION

Purging method: Peristaltic pump with one-time use Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 30 feet.

Reading	Time	pH	Temp. (^oC)	Conductivity (us/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	16:35	5.11	24.04	0.137	302	8.60	90	0.10	0.50
1	16:40	5.09	24.14	0.139	168	4.14	103	0.10	1.50
2	16:45	5.04	24.31	0.139	125	0.08	124	0.10	2.00
3	16:50	5.01	24.30	0.139	99.9	0.00	127	0.10	2.50
4	16:55	4.95	24.28	0.138	84.6	0.00	132	0.10	3.00
5	17:00	4.92	24.29	0.138	70.8	0.00	136	0.10	3.50
6	17:05	4.88	24.30	0.137	61.6	0.00	138	0.10	4.00
7									

Purged Volume: Purged approximately 4.0 gallons

WELL SAMPLING INFORMATION

Method of sampling: Peristaltic pump with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: N/A - One-time use teflon tubing.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW5	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/21/13

WELL INFORMATION

Well Identification No:	**MW-6**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	1-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	30.00 feet		
Depth to Water from TOC:	24.07 feet		
Length of Static Water Column:	5.93 feet		
Screen Interval:	20.00 - 30.00 feet		

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	**0.041 (1-inch well)**	0.652	(4-inch well)
	0.163 (2-inch well)	1.02	(5-inch well)
	0.367 (3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	0.24 gallons	0.73 gallons
	(1 well volume)	(3 well volumes)

WELL PURGING INFORMATION

Purging method: Peristaltic pump with one-time use Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 27 feet.

Reading	Time	pH	Temp. (^oC)	Conductivity (us/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	14:00	5.18	23.14	0.120	289	18.79	150	0.08	0.25
1	14:05	5.08	22.60	0.176	148	3.70	90	0.12	0.50
2	14:10	5.44	23.54	0.189	60.1	1.66	49	0.13	0.75
3	14:15	4.46	23.68	0.193	56.4	1.24	45	0.14	1.00
4	14:20	5.50	23.82	0.195	38.6	2.01	39	0.14	1.25
5									
6									
7									

Purged Volume: Purged approximately 1.25 gallons

WELL SAMPLING INFORMATION

Method of sampling: Peristaltic pump with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: N/A - One-time use teflon tubing.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW6	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/21/13

WELL INFORMATION

Well Identification No:	**MW-7**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	30.00 feet		
Depth to Water from TOC:	12.47 feet		
Length of Static Water Column:	17.53 feet		
Screen Interval:	20.00 - 30.00 feet		

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.041 (1-inch well)	0.652	(4-inch well)
	0.163 (2-inch well)	1.02	(5-inch well)
	0.367 (3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	2.86 gallons	8.57 gallons
	(1 well volume)	(3 well volumes)

WELL PURGING INFORMATION

Purging method: Stainless steel submersible pump with adjustable flow rate and Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 20 feet.

Reading	Time	pH	Temp. (^oC)	Conductivity (us/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	13:25	5.34	20.45	0.068	40.0	1.76	217	0.05	1.50
1	13:30	5.19	20.87	0.067	37.2	1.54	222	0.05	2.50
2	13:35	4.93	23.51	0.066	22.7	2.65	251	0.05	3.50
3	13:40	4.86	24.20	0.064	8.10	2.27	259	0.04	4.50
4	13:45	4.84	24.33	0.063	10.0	2.06	262	0.04	5.50
5	13:50	4.85	24.33	0.062	14.1	1.82	261	0.04	6.50
6	13:55	4.81	24.30	0.061	10.5	1.60	263	0.04	7.50
7	14:00	4.81	24.31	0.061	8.51	1.59	261	0.04	8.50

Purged Volume: Purged approximately 8.5 gallons

WELL SAMPLING INFORMATION

Method of sampling: Adjusted to low flow with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: Stainless steel pump submersed in tub with Alkanox detergent. Exterior scrub and Alkanox circulation through pump followed by rinse/circulation in potable water tub.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW7	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/21/13

WELL INFORMATION

Well Identification No:	**MW-8**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	35.00 feet		
Depth to Water from TOC:	25.48 feet		
Length of Static Water Column:	9.52 feet		
Screen Interval:	25.00 - 35.00 feet		

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.041 (1-inch well)	0.652	(4-inch well)
	0.163 (2-inch well)	1.02	(5-inch well)
	0.367 (3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	1.55 gallons	4.66 gallons
	(1 well volume)	(3 well volumes)

WELL PURGING INFORMATION

Purging method: Peristaltic pump with one-time use Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 30 feet.

Reading	Time	pH	Temp. (^oC)	Conductivity (us/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	14:50	5.53	21.80	0.163	27.7	24.95	227	0.11	0.25
1	14:55	5.55	22.13	0.187	10.7	9.35	229	0.13	1.25
2	15:00	5.52	22.38	0.185	4.89	2.58	230	0.13	2.00
3	15:05	5.47	22.45	0.180	3.92	2.29	231	0.13	2.75
4	15:10	5.40	22.48	0.172	2.33	2.09	235	0.12	3.00
5	15:15	5.36	22.47	0.169	2.25	2.02	238	0.12	3.75
6	15:20	5.34	22.47	0.169	1.22	2.03	239	0.12	4.50
7									

Purged Volume: Purged approximately 4.5 gallons

WELL SAMPLING INFORMATION

Method of sampling: Peristaltic pump with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: N/A - One-time use teflon tubing.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW8	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/20/13

WELL INFORMATION

Well Identification No:	**MW-9**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	20.00	feet	
Depth to Water from TOC:	12.71	feet	
Length of Static Water Column:	7.29	feet	
Screen Interval:	10.00 - 20.00	feet	

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.041	(1-inch well)	0.652	(4-inch well)
	0.163	**(2-inch well)**	1.02	(5-inch well)
	0.367	(3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	1.19	gallons	3.56	gallons
		(1 well volume)		(3 well volumes)

WELL PURGING INFORMATION

Purging method: Peristaltic pump with one-time use Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 30 feet.

Reading	Time	pH	Temp. (^oC)	Conductivity (us/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	8:00	6.11	20.88	0.403		6.55	185	0.28	0.25
1	8:05	6.06	21.02	0.414		6.44	178	0.29	1.00
2	8:10	6.06	21.52	0.416		5.44	172	0.29	1.50
3	8:15	5.99	21.87	0.362		3.23	141	0.25	2.00
4	8:20	5.91	21.98	0.343		2.90	135	0.24	2.50
5	8:25	5.76	22.15	0.285		2.64	125	0.20	3.00
6	8:30	5.69	22.19	0.260		2.31	122	0.18	3.50
7									

Purged Volume: Purged approximately 3.5 gallons

WELL SAMPLING INFORMATION

Method of sampling: Peristaltic pump with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: N/A - One-time use teflon tubing.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW9	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/20/13

WELL INFORMATION

Well Identification No:	**MW-10**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	25.00 feet		
Depth to Water from TOC:	18.17 feet		
Length of Static Water Column:	6.83 feet		
Screen Interval:	15.00 - 25.00 feet		

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.041	(1-inch well)	0.652	(4-inch well)
	0.163	**(2-inch well)**	1.02	(5-inch well)
	0.367	(3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	1.11 gallons		3.34 gallons	
	(1 well volume)		(3 well volumes)	

WELL PURGING INFORMATION

Purging method: Peristaltic pump with one-time use Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 30 feet.

Reading	Time	pH	Temp. (^oC)	Conductivity (us/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	9:10	6.06	20.78	0.324	814	4.06	-3	0.23	0.25
1	9:15	6.09	21.69	0.331	210	3.18	-16	0.23	1.00
2	9:20	6.01	23.16	0.279	88.7	0.99	-41	0.20	1.50
3	9:25	6.01	23.25	0.276	71.3	0.85	-44	0.19	2.00
4	9:30	6.01	23.38	0.270	53.2	0.65	-46	0.19	2.50
5	9:35	5.99	23.48	0.263	48.0	0.40	-48	0.18	3.00
6	9:40	5.99	23.52	0.263	35.0	0.35	-50	0.18	3.50
7									

Purged Volume: Purged approximately 3.5 gallons

WELL SAMPLING INFORMATION

Method of sampling: Peristaltic pump with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: N/A - One-time use teflon tubing.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW10	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/20/13

WELL INFORMATION

Well Identification No:	**MW-11**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	25.00	feet	
Depth to Water from TOC:	19.91	feet	
Length of Static Water Column:	5.09	feet	
Screen Interval:	15.00 - 25.00	feet	

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.041	(1-inch well)	0.652	(4-inch well)
	0.163	**(2-inch well)**	1.02	(5-inch well)
	0.367	(3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	0.83	gallons	2.49	gallons
		(1 well volume)		(3 well volumes)

WELL PURGING INFORMATION

Purging method: Peristaltic pump with one-time use Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 30 feet.

Reading	Time	pH	Temp. (^oC)	Conductivity (us/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	10:30	5.00	20.93	0.212	609	3.74	157	0.15	0.25
1	10:35	4.79	22.06	0.196	365	2.76	167	0.14	0.50
2	10:40	4.96	22.41	0.150	277	4.24	164	0.11	1.00
3	10:45	4.94	22.45	0.154	97.1	3.97	170	0.11	1.50
4	10:50	4.90	22.48	0.163	56.7	3.61	179	0.11	2.00
5	10:55	4.88	22.50	0.168	19.7	3.44	178	0.12	2.50
6	11:00	4.86	22.61	0.173	9.7	2.94	177	0.12	3.00
7									

Purged Volume: Purged approximately 3.0 gallons

WELL SAMPLING INFORMATION

Method of sampling: Peristaltic pump with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: N/A - One-time use teflon tubing.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW11	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/22/13

WELL INFORMATION

Well Identification No:	**MW-12**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	15.00 feet		
Depth to Water from TOC:	3.57 feet		
Length of Static Water Column:	11.43 feet		
Screen Interval:	5.00 - 15.00 feet		

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.041 (1-inch well)	0.652	(4-inch well)
	0.163 (2-inch well)	1.02	(5-inch well)
	0.367 (3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	1.86 gallons	5.59 gallons
	(1 well volume)	(3 well volumes)

WELL PURGING INFORMATION

Purging method: Peristaltic pump with one-time use Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 30 feet.

Reading	Time	pH	Temp. (^oC)	Conductivity (us/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	10:10	5.38	22.29	0.160	188	7.65	203	0.11	0.50
1	10:15	5.24	22.79	0.160	144	4.42	208	0.11	1.50
2	10:20	5.06	23.75	0.157	99.4	1.96	217	0.11	2.50
3	10:25	5.03	23.89	0.157	72.0	1.76	220	0.11	3.50
4	10:30	5.02	24.02	0.156	43.7	1.58	221	0.11	4.50
5	10:35	5.03	24.01	0.156	40.6	1.57	221	0.11	5.50
6									
7									

Purged Volume: Purged approximately 5.5 gallons

WELL SAMPLING INFORMATION

Method of sampling: Peristaltic pump with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: N/A - One-time use teflon tubing.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW12	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

Monitoring Well Purging & Sampling Information

Peachtree Project: Thomasville National Bank | **Project No.:** 3151 | **Date:** 11/22/13

WELL INFORMATION

Well Identification No:	**MW-13**	Location:	Thomasville, Thomas County, Georgia
Well Diameter:	2-Inch	Well Construction:	Schedule 40 PVC
Total Well Depth from TOC:	30.00 feet		
Depth to Water from TOC:	21.54 feet		
Length of Static Water Column:	8.46 feet		
Screen Interval:	20.00 - 30.00 feet		

WELL OBSERVATIONS

General Condition of Well:	Good	General Condition of surrounding area:	Good
LNAPL observation:	Good	Method of measure:	Electric Water Level Indicator

Volume of water in well = Height (Ht) of water in well x K

where: K =	0.041 (1-inch well)	0.652	(4-inch well)
	0.163 (2-inch well)	1.02	(5-inch well)
	0.367 (3-inch well)	1.469	(6-inch well)

Volume of water in well (Ht. x K):	1.38 gallons	4.14 gallons
	(1 well volume)	(3 well volumes)

WELL PURGING INFORMATION

Purging method: Peristaltic pump with one-time use Teflon-lined discharge tubing.

Depth of Pump Placement: Approximately 30 feet.

Reading	Time	pH	Temp. (^oC)	Conductivity (us/cm)	Turbidity (NTUs)	DO	ORP	TDS	Purge Volume Gallons
Initial	9:00	5.38	19.10	0.077	440	5.83	205	0.05	0.25
1	9:05	5.11	20.91	0.074	370	4.18	189	0.05	1.25
2	9:10	5.19	21.14	0.089	225	3.86	163	0.06	2.00
3	9:15	5.15	21.17	0.089	144	3.73	162	0.06	2.75
4	9:20	5.19	21.23	0.089	84.7	3.63	156	0.06	3.00
5	9:25	5.18	21.29	0.087	61.4	3.55	157	0.06	3.75
6	9:30	5.19	21.30	0.086	47.2	3.51	157	0.06	4.50
7									

Purged Volume: Purged approximately 4.5 gallons

WELL SAMPLING INFORMATION

Method of sampling: Peristaltic pump with sample collected directly from Teflon-lined discharge tubing.

Decontamination procedures: N/A - One-time use teflon tubing.

Sample ID	Container	Preservative	Analyses
TNB-1113-MW13	2 - 40 mL	HCL	VOCs (Method 8260)

Sample Transport and Preservation: Ice Filled Cooler

Sample Destination: Analytical Environmental Services, Inc. Via: Hand Delivery via Peachtree Personnel

Chain of Custody completed: Yes

Peachtree Environmental Personnel: Jason P.Chappell & Thom A. Lawrence

APPENDIX F

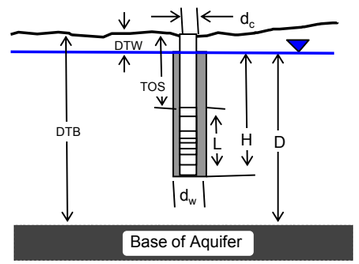
SLUG TESTING DATA

WELL ID: Thomasville, MW-1

Local ID: MW-1
Date: 11/19/2013
Time: 16:00

INPUT

Construction:		
Casing dia. (d_c)	0.167	Feet
Annulus dia. (d_w)	0.25	Feet
Screen Length (L)	10	Feet
Depths to:		
water level (DTW)	5.4	Feet
top of screen (TOS)	20	Feet
Base of Aquifer (DTB)	50	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Bentonite	
Aquifer Material --	Surficial Aquifer, central Florida (fine sand and silt, 55 values)	



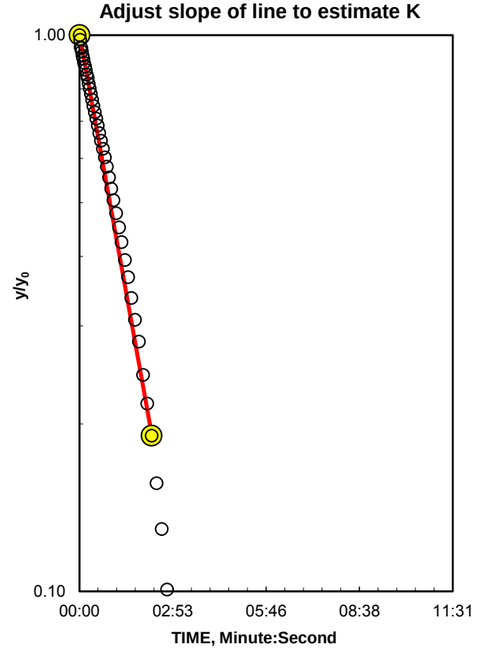
COMPUTED

L_{wetted}	10	Feet
D =	44.6	Feet
H =	24.6	Feet
L/r_w =	80.00	
$y_{0\text{-DISPLACEMENT}}$ =	1.89	Feet
$y_{0\text{-SLUG}}$ =	1.61	Feet
From look-up table using L/r_w		
Partial penetrate A =	3.980	
B =	0.658	
ln(Re/rw) =	3.337	
Re =	3.52	Feet
Slope =	0.005389	$\log_{10}$/sec
$t_{90\%}$ recovery =	186	sec

Input is consistent.

K =	0.000014	Feet/Second
=	1.2096	Feet/Day

Adjust slope of line to estimate K



REMARKS:

Bouwer and Rice analysis of slug test, WRR 1976

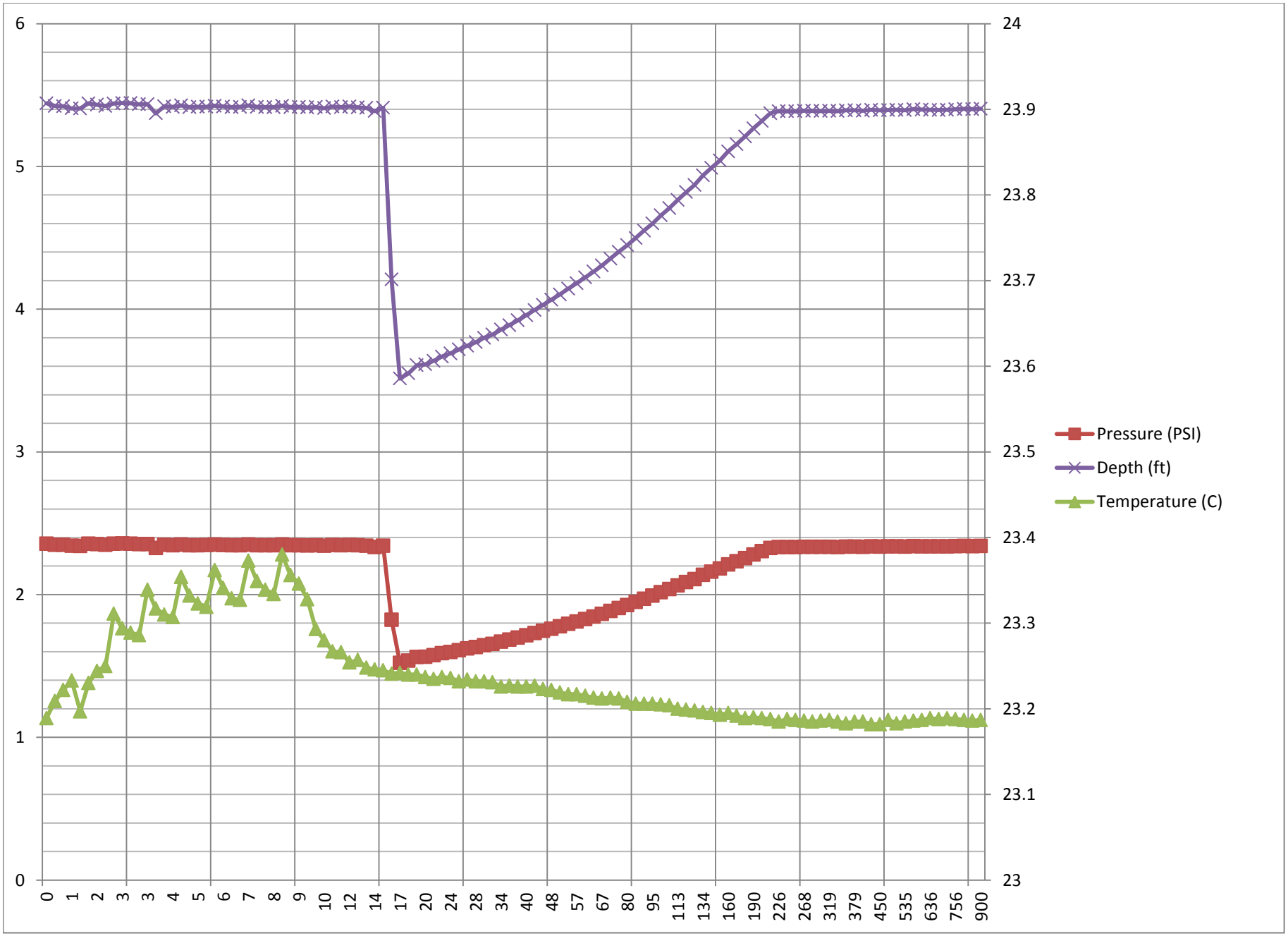
Slug test was conducted in well MW-1 at Thomasville Bank site under VRP program; Peachtree Environmental project number 3151.

Slug_Bouwer_Rice Excel datasheet from USGS Analysis of Aquifer-Test and Slug-Test Data, Open File Report OFR 02-197.

Reduced Data

Entry	Time, Hr:Min:Sec	Water Level	Entry	Time, Hr:Min:Sec	Water Level
1	0:00:00.0	3.51	51	0:04:43.7	5.39
2	0:00:01.0	3.55	52	0:05:01.7	5.39
3	0:00:02.0	3.61	53	0:05:20.3	5.39
4	0:00:03.2	3.61	54	0:05:40.7	5.39
5	0:00:04.4	3.64	55	0:06:01.7	5.39
6	0:00:05.6	3.67	56	0:06:23.9	5.39
7	0:00:07.0	3.69	57	0:06:47.9	5.40
8	0:00:08.4	3.72	58	0:07:13.1	5.39
9	0:00:09.9	3.74	59	0:07:39.5	5.40
10	0:00:11.5	3.77	60	0:08:07.7	5.40
11	0:00:13.1	3.80	61	0:08:37.7	5.39
12	0:00:14.9	3.82			
13	0:00:16.8	3.86			
14	0:00:18.8	3.89			
15	0:00:20.9	3.92			
16	0:00:23.2	3.96			
17	0:00:25.6	3.99			
18	0:00:28.1	4.03			
19	0:00:30.8	4.07			
20	0:00:33.5	4.10			
21	0:00:36.5	4.14			
22	0:00:39.7	4.18			
23	0:00:43.1	4.22			
24	0:00:46.7	4.26			
25	0:00:50.3	4.31			
26	0:00:54.5	4.35			
27	0:00:58.7	4.40			
28	0:01:02.9	4.45			
29	0:01:07.7	4.50			
30	0:01:13.1	4.55			
31	0:01:17.9	4.60			
32	0:01:23.9	4.66			
33	0:01:29.9	4.71			
34	0:01:35.9	4.77			
35	0:01:42.5	4.82			
36	0:01:49.7	4.87			
37	0:01:57.5	4.94			
38	0:02:05.3	4.99			
39	0:02:13.7	5.04			
40	0:02:22.7	5.11			
41	0:02:32.3	5.16			
42	0:02:41.9	5.21			
43	0:02:52.7	5.27			
44	0:03:04.1	5.32			
45	0:03:16.1	5.37			
46	0:03:28.7	5.39			
47	0:03:41.9	5.39			
48	0:03:56.3	5.39			
49	0:04:11.3	5.39			
50	0:04:26.9	5.39			

MW-1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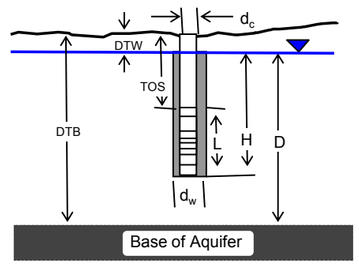
23
0 1 2 3 3 4 5 6 7 8 9 10 12 14 17 20 24 28 34 40 48 57 67 80 95 113 134 160 190 226 268 319 379 450 535 636 756 900
Pressure (PSI)
Depth (ft)
Temperature (C)

WELL ID: Thomasville, MW-5

Local ID: MW-5
Date: 11/19/2013
Time: 17:20

INPUT

Construction:		
Casing dia. (d_c)	0.167	Feet
Annulus dia. (d_w)	0.25	Feet
Screen Length (L)	10	Feet
Depths to:		
water level (DTW)	8.5	Feet
top of screen (TOS)	24	Feet
Base of Aquifer (DTB)	50	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Bentonite	
Aquifer Material --	Surficial Aquifer, central Florida (fine sand and silt, 55 values)	



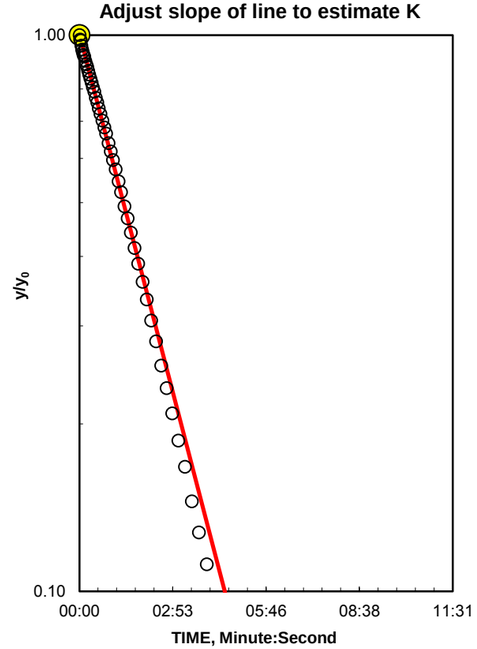
COMPUTED

L_{wetted}	10	Feet
D =	41.5	Feet
H =	25.5	Feet
L/r_w =	80.00	
$y_{0\text{-DISPLACEMENT}}$ =	1.71	Feet
$y_{0\text{-SLUG}}$ =	1.61	Feet
From look-up table using L/r_w		
Partial penetrate A =	3.980	
B =	0.658	
ln(Re/rw) =	3.373	
Re =	3.65	Feet
Slope =	0.003721	$\log_{10}$/sec
$t_{90\%}$ recovery =	269	sec

Input is consistent.

K =	0.00001	Feet/Second
=	0.864	Feet/Day

Adjust slope of line to estimate K



Reduced Data

Entry	Time, Hr:Min:Sec	Water Level	Entry	Time, Hr:Min:Sec	Water Level
1	0:00:00.0	6.79	51	0:05:00.7	8.38
2	0:00:01.1	6.82	52	0:05:19.3	8.39
3	0:00:02.2	6.83	53	0:05:39.7	8.41
4	0:00:03.4	6.87	54	0:06:00.7	8.42
5	0:00:04.7	6.89	55	0:06:22.9	8.42
6	0:00:06.0	6.91	56	0:06:46.9	8.43
7	0:00:07.4	6.93	57	0:07:12.1	8.43
8	0:00:08.9	6.94	58	0:07:38.5	8.44
9	0:00:10.5	6.96	59	0:08:06.7	8.44
10	0:00:12.2	6.99	60	0:08:36.7	8.44
11	0:00:14.0	7.00	61	0:09:08.5	8.44
12	0:00:15.8	7.03			
13	0:00:17.9	7.05			
14	0:00:20.0	7.07			
15	0:00:22.2	7.10			
16	0:00:24.6	7.12			
17	0:00:27.1	7.15			
18	0:00:29.8	7.18			
19	0:00:32.6	7.21			
20	0:00:35.6	7.24			
21	0:00:38.8	7.27			
22	0:00:42.1	7.30			
23	0:00:45.7	7.33			
24	0:00:49.3	7.36			
25	0:00:53.5	7.41			
26	0:00:57.7	7.45			
27	0:01:01.9	7.48			
28	0:01:06.7	7.52			
29	0:01:12.1	7.57			
30	0:01:16.9	7.61			
31	0:01:22.9	7.66			
32	0:01:28.9	7.70			
33	0:01:34.9	7.75			
34	0:01:41.5	7.79			
35	0:01:48.7	7.84			
36	0:01:56.5	7.89			
37	0:02:04.3	7.93			
38	0:02:12.7	7.98			
39	0:02:21.7	8.02			
40	0:02:31.3	8.07			
41	0:02:40.9	8.10			
42	0:02:51.7	8.14			
43	0:03:03.1	8.18			
44	0:03:15.1	8.21			
45	0:03:27.7	8.25			
46	0:03:40.9	8.28			
47	0:03:55.3	8.31			
48	0:04:10.3	8.33			
49	0:04:25.9	8.35			
50	0:04:42.7	8.37			

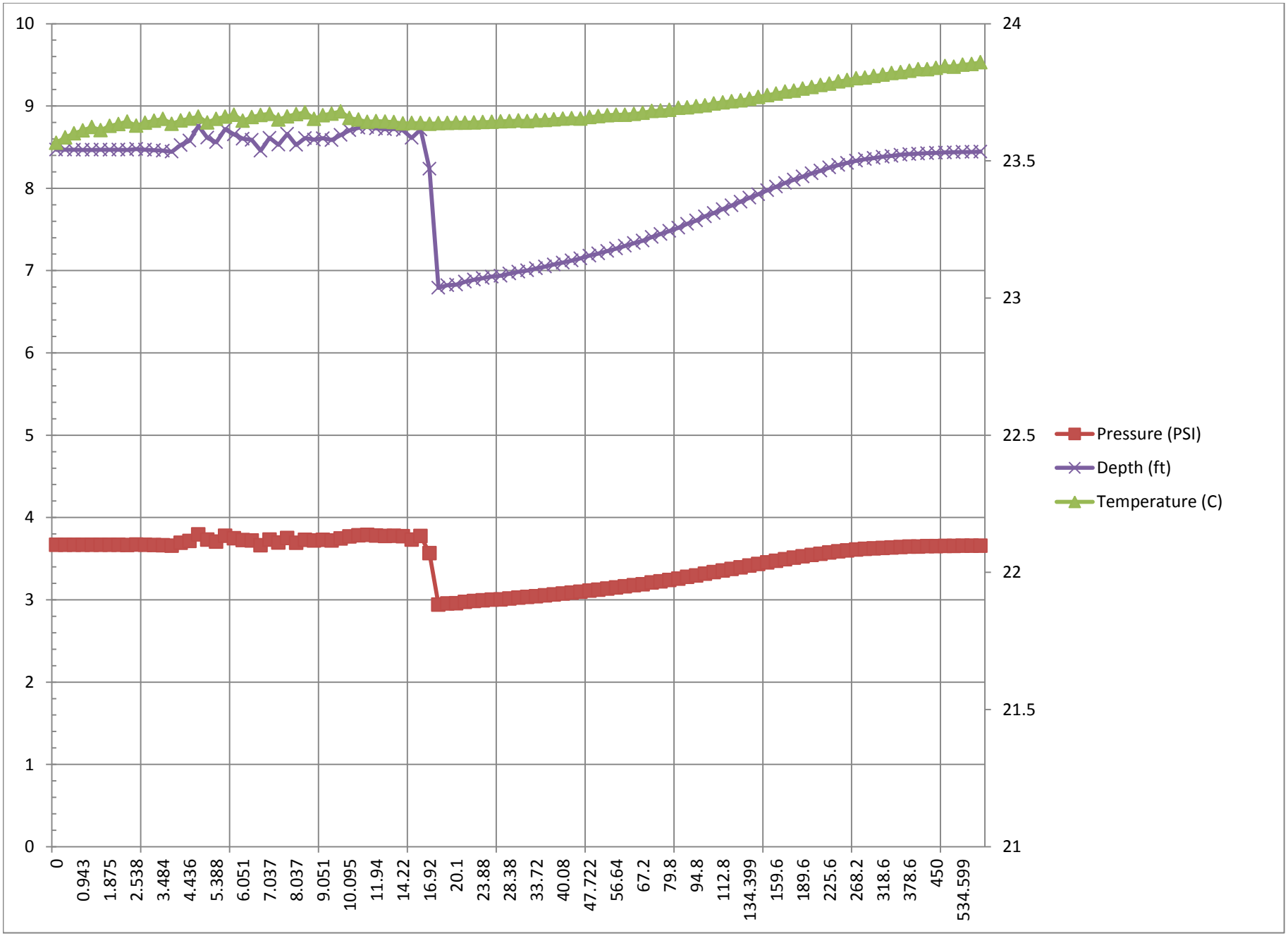
REMARKS:

Bouwer and Rice analysis of slug test, WRR 1976

Slug test was conducted in well MW-5 at Thomasville Bank site under VRP program; Peachtree Environmental project number 3151.

Slug_Bouwer_Rice Excel datasheet from USGS Analysis of Aquifer-Test and Slug-Test Data, Open File Report OFR 02-197.

MW-5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22.5
22
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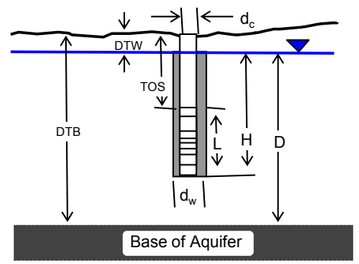
1.875
2.538
3.484
4.436
5.388
6.051
7.037
8.037
9.051
10.095
11.94
14.22
16.92
20.1
23.88
28.38
33.72
40.08
47.722
56.64
67.2
79.8
94.8
112.8
134.399
159.6
189.6
225.6
268.2
318.6
378.6
450
534.599
Pressure (PSI)
Depth (ft)
Temperature (C)

WELL ID: Thomasville, MW-7

Local ID: MW-7
Date: 11/19/2013
Time: 17:00

INPUT

Construction:		
Casing dia. (d_c)	0.167	Feet
Annulus dia. (d_w)	0.5	Feet
Screen Length (L)	10	Feet
Depths to:		
water level (DTW)	17.78	Feet
top of screen (TOS)	20	Feet
Base of Aquifer (DTB)	50	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Bentonite	
Aquifer Material --	Surficial Aquifer, central Florida (fine sand and silt, 55 values)	



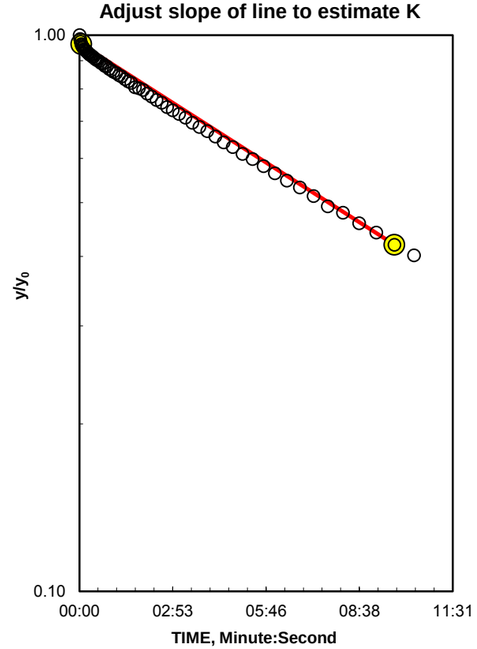
COMPUTED

L_{wetted}	10	Feet
D =	32.22	Feet
H =	12.22	Feet
L/r_w =	40.00	
$y_{0\text{-DISPLACEMENT}}$ =	1.76	Feet
$y_{0\text{-SLUG}}$ =	1.61	Feet
From look-up table using L/r_w		
Partial penetrate A =	2.840	
B =	0.460	
ln(Re/rw) =	2.474	
Re =	2.97	Feet
Slope =	0.000622	$\log_{10}$/sec
$t_{90\%}$ recovery =	1607	sec

Input is consistent.

K =	1.2E-06	Feet/Second
=	0.10368	Feet/Day

Adjust slope of line to estimate K



REMARKS:

Bouwer and Rice analysis of slug test, WRR 1976

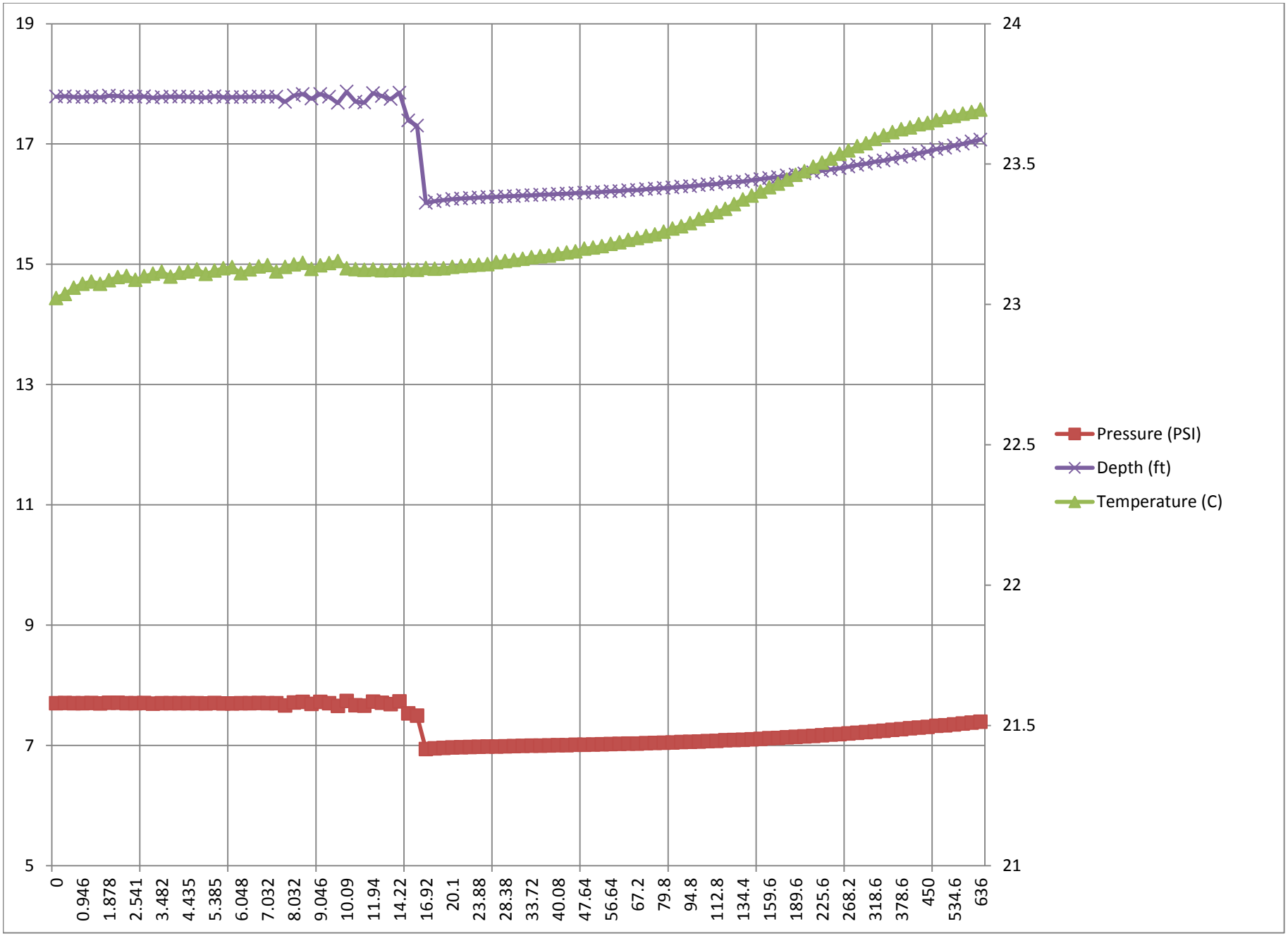
Slug test was conducted in well MW-7 at Thomasville Bank site under VRP program; Peachtree Environmental project number 3151.

Slug_Bouwer_Rice Excel datasheet from USGS Analysis of Aquifer-Test and Slug-Test Data, Open File Report OFR 02-197.

Reduced Data

Entry	Time, Hr:Min:Sec	Water Level	Entry	Time, Hr:Min:Sec	Water Level
1	0:00:00.0	16.02	51	0:04:43.7	16.67
2	0:00:01.0	16.05	52	0:05:01.7	16.70
3	0:00:02.0	16.07	53	0:05:20.3	16.73
4	0:00:03.2	16.08	54	0:05:40.7	16.76
5	0:00:04.4	16.09	55	0:06:01.7	16.79
6	0:00:05.6	16.10	56	0:06:23.9	16.82
7	0:00:07.0	16.11	57	0:06:47.9	16.84
8	0:00:08.4	16.12	58	0:07:13.1	16.88
9	0:00:09.9	16.12	59	0:07:39.5	16.91
10	0:00:11.5	16.13	60	0:08:07.7	16.94
11	0:00:13.1	16.13	61	0:08:37.7	16.97
12	0:00:14.9	16.14	62	0:09:09.5	17.00
13	0:00:16.8	16.15	63	0:09:43.1	17.04
14	0:00:18.8	16.16			
15	0:00:20.9	16.16			
16	0:00:23.2	16.17			
17	0:00:25.6	16.17			
18	0:00:28.1	16.18			
19	0:00:30.7	16.19			
20	0:00:33.5	16.20			
21	0:00:36.5	16.20			
22	0:00:39.7	16.21			
23	0:00:43.1	16.22			
24	0:00:46.7	16.23			
25	0:00:50.3	16.23			
26	0:00:54.5	16.25			
27	0:00:58.7	16.26			
28	0:01:02.9	16.27			
29	0:01:07.7	16.28			
30	0:01:13.1	16.29			
31	0:01:17.9	16.30			
32	0:01:23.9	16.31			
33	0:01:29.9	16.33			
34	0:01:35.9	16.34			
35	0:01:42.5	16.36			
36	0:01:49.7	16.37			
37	0:01:57.5	16.38			
38	0:02:05.3	16.40			
39	0:02:13.7	16.42			
40	0:02:22.7	16.43			
41	0:02:32.3	16.45			
42	0:02:41.9	16.47			
43	0:02:52.7	16.49			
44	0:03:04.1	16.51			
45	0:03:16.1	16.53			
46	0:03:28.7	16.56			
47	0:03:41.9	16.58			
48	0:03:56.3	16.60			
49	0:04:11.3	16.62			
50	0:04:26.9	16.65			

MW-7

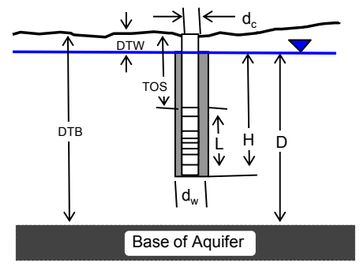

19
17
15
13
11
9
7
5
24
23.5
23
22.5
22
21.5
21
0
0.946
1.878
2.541
3.482
4.435
5.385
6.048
7.032
8.032
9.046
10.09
11.94
14.22
16.92
20.1
23.88
28.38
33.72
40.08
47.64
56.64
67.2
79.8
94.8
112.8
134.4
159.6
189.6
225.6
268.2
318.6
378.6
450
534.6
636
Pressure (PSI)
Depth (ft)
Temperature (C)

WELL ID: Thomasville, MW-12

Local ID: MW-12
Date: 11/19/2013
Time: 11:00

INPUT

Construction:		
Casing dia. (d_c)	0.167	Feet
Annulus dia. (d_w)	0.5	Feet
Screen Length (L)	10	Feet
Depths to:		
water level (DTW)	11.04	Feet
top of screen (TOS)	20	Feet
Base of Aquifer (DTB)	50	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Bentonite	
Aquifer Material --	Surficial Aquifer, central Florida (fine sand and silt, 55 values)	



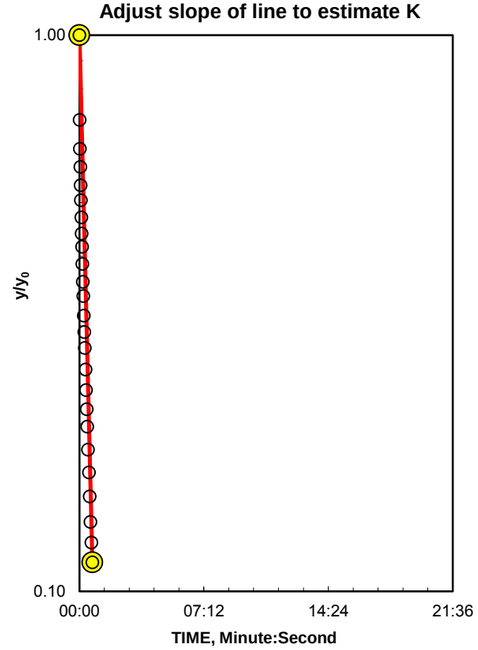
COMPUTED

L_{wetted}	10	Feet
D =	38.96	Feet
H =	18.96	Feet
L/r_w =	40.00	
$y_{0\text{-DISPLACEMENT}}$ =	1.55	Feet
$y_{0\text{-SLUG}}$ =	1.61	Feet
From look-up table using L/r_w		
Partial penetrate A =	2.840	
B =	0.460	
ln(Re/rw) =	2.663	
Re =	3.59	Feet
Slope =	0.021098	$\log_{10}$/sec
$t_{90\%}$ recovery =	47	sec

Input is consistent.

K =	0.000045	Feet/Second
=	3.888	Feet/Day

Adjust slope of line to estimate K



Reduced Data

Entry	Time, Hr:Min:Sec	Water Level	Entry	Time, Hr:Min:Sec	Water Level
1	0:00:00.0	9.49	51	0:04:13.1	11.01
2	0:00:00.9	9.95	52	0:04:28.7	11.01
3	0:00:01.9	10.07	53	0:04:45.5	11.01
4	0:00:02.8	10.14	54	0:05:03.5	11.01
5	0:00:03.9	10.21	55	0:05:22.1	11.01
6	0:00:05.0	10.26	56	0:05:42.5	11.01
7	0:00:06.2	10.31	57	0:06:03.5	11.02
8	0:00:07.5	10.36	58	0:06:25.7	11.02
9	0:00:08.8	10.39	59	0:06:49.7	11.01
10	0:00:10.3	10.44	60	0:07:14.9	11.01
11	0:00:11.8	10.48	61	0:07:41.3	11.01
12	0:00:13.3	10.51	62	0:08:09.5	11.02
13	0:00:15.0	10.55	63	0:08:39.5	11.01
14	0:00:16.8	10.59	64	0:09:11.3	11.01
15	0:00:18.7	10.62	65	0:09:44.9	11.01
16	0:00:20.7	10.65	66	0:10:20.9	11.02
17	0:00:22.8	10.68	67	0:10:56.9	11.02
18	0:00:25.0	10.71	68	0:11:38.9	11.02
19	0:00:27.4	10.73	69	0:12:20.9	11.02
20	0:00:29.9	10.76	70	0:13:02.9	11.02
21	0:00:32.6	10.79	71	0:13:50.9	11.02
22	0:00:35.4	10.81			
23	0:00:38.4	10.83			
24	0:00:41.6	10.85			
25	0:00:44.9	10.87			
26	0:00:48.5	10.89			
27	0:00:52.1	10.91			
28	0:00:56.3	10.92			
29	0:01:00.5	10.93			
30	0:01:04.7	10.94			
31	0:01:09.5	10.95			
32	0:01:14.9	10.96			
33	0:01:19.7	10.97			
34	0:01:25.7	10.98			
35	0:01:31.7	10.98			
36	0:01:37.7	10.99			
37	0:01:44.3	10.99			
38	0:01:51.5	10.99			
39	0:01:59.3	11.00			
40	0:02:07.1	10.99			
41	0:02:15.5	11.00			
42	0:02:24.5	11.00			
43	0:02:34.1	11.00			
44	0:02:43.7	11.00			
45	0:02:54.5	11.01			
46	0:03:05.9	11.01			
47	0:03:17.9	11.01			
48	0:03:30.5	11.01			
49	0:03:43.7	11.01			
50	0:03:58.1	11.01			

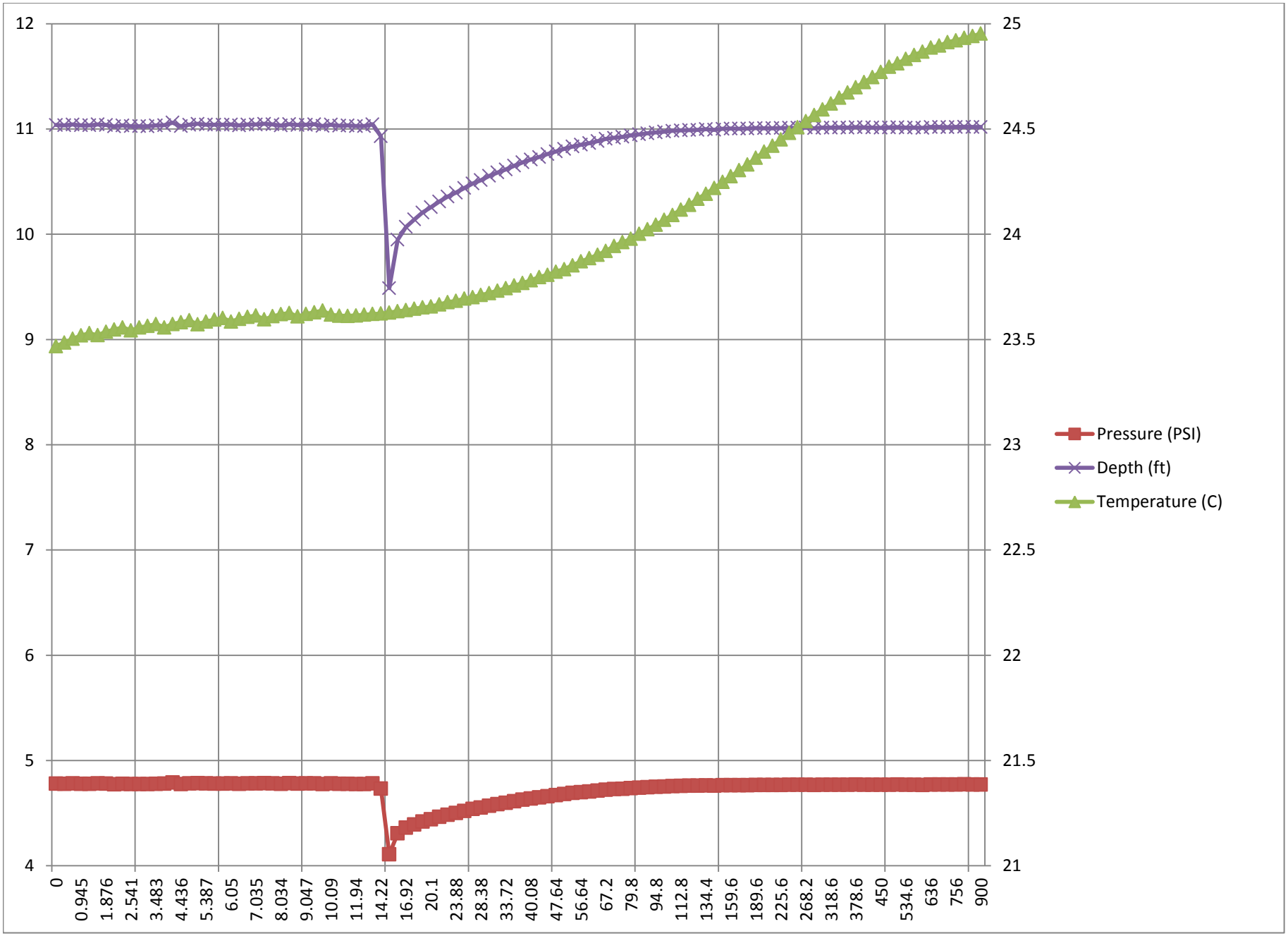
REMARKS:

Bouwer and Rice analysis of slug test, WRR 1976

Slug test was conducted in well MW-12 at Thomasville Bank site under VRP program; Peachtree Environmental project number 3151.

Slug_Bouwer_Rice Excel datasheet from USGS Analysis of Aquifer-Test and Slug-Test Data, Open File Report OFR 02-197.

MW-12


12
11
10
9
8
7
6
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4
25
24.5
24
23.5
23
22.5
22
21.5
21
0
0.945
1.876
2.541
3.483
4.436
5.387
6.05
7.035
8.034
9.047
10.09
11.94
14.22
16.92
20.1
23.88
28.38
33.72
40.08
47.64
56.64
67.2
79.8
94.8
112.8
134.4
159.6
189.6
225.6
268.2
318.6
378.6
450
534.6
636
756
900
Pressure (PSI)
Depth (ft)
Temperature (C)

WELL ID: Thomasville, MW-13

Local ID: MW-13
Date: 11/19/2013
Time: 11:00

INPUT

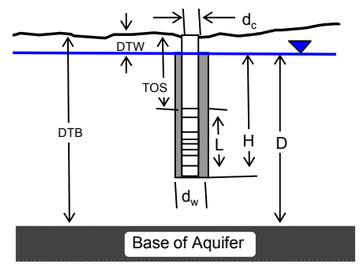
Construction:		
Casing dia. (d_c)	0.167	Feet
Annulus dia. (d_w)	0.5	Feet
Screen Length (L)	10	Feet
Depths to:		
water level (DTW)	8.12	Feet
top of screen (TOS)	20	Feet
Base of Aquifer (DTB)	50	Feet
Annular Fill:		
across screen --	Coarse Sand	
above screen --	Bentonite	
Aquifer Material --	Surficial Aquifer, central Florida (fine sand and silt, 55 values)	

COMPUTED

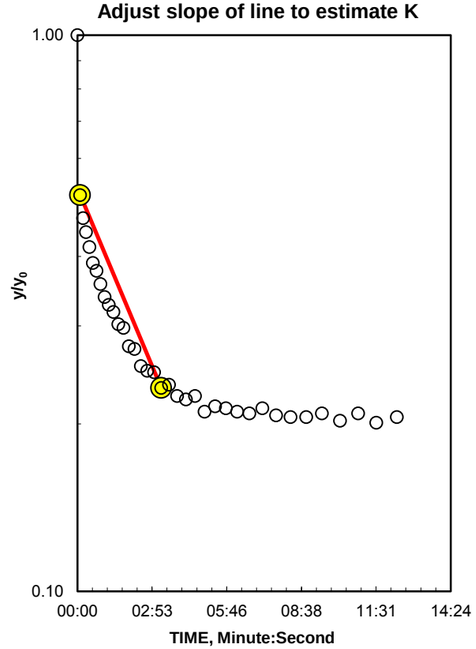
L_{wetted}	10	Feet
D =	41.88	Feet
H =	21.88	Feet
L/r_w =	40.00	
$y_{0\text{-DISPLACEMENT}}$ =	0.64	Feet
$y_{0\text{-SLUG}}$ =	1.61	Feet
From look-up table using L/r_w		
Partial penetrate A =	2.840	
B =	0.460	
ln(Re/rw) =	2.722	
Re =	3.80	Feet
Slope =	0.001846	log_{10}/sec
$t_{90\%}$ recovery =	542	sec

Input is consistent.

K =	0.000004	Feet/Second
=	0.3456	Feet/Day



Adjust slope of line to estimate K



Reduced Data

Entry	Time, Hr:Min:Sec	Water Level
1	0:00:00.0	7.48
2	0:00:06.0	7.79
3	0:00:12.6	7.82
4	0:00:19.8	7.84
5	0:00:27.6	7.85
6	0:00:35.4	7.87
7	0:00:43.8	7.88
8	0:00:52.8	7.89
9	0:01:02.4	7.90
10	0:01:12.0	7.91
11	0:01:22.8	7.92
12	0:01:34.2	7.93
13	0:01:46.2	7.93
14	0:01:58.8	7.94
15	0:02:12.0	7.95
16	0:02:26.4	7.96
17	0:02:41.4	7.96
18	0:02:57.0	7.96
19	0:03:13.8	7.97
20	0:03:31.8	7.97
21	0:03:50.4	7.98
22	0:04:10.8	7.98
23	0:04:31.8	7.98
24	0:04:54.0	7.99
25	0:05:18.0	7.98
26	0:05:43.2	7.98
27	0:06:09.6	7.99
28	0:06:37.8	7.99
29	0:07:07.8	7.98
30	0:07:39.6	7.99
31	0:08:13.2	7.99
32	0:08:49.2	7.99
33	0:09:25.2	7.99
34	0:10:07.2	7.99
35	0:10:49.2	7.99
36	0:11:31.2	7.99

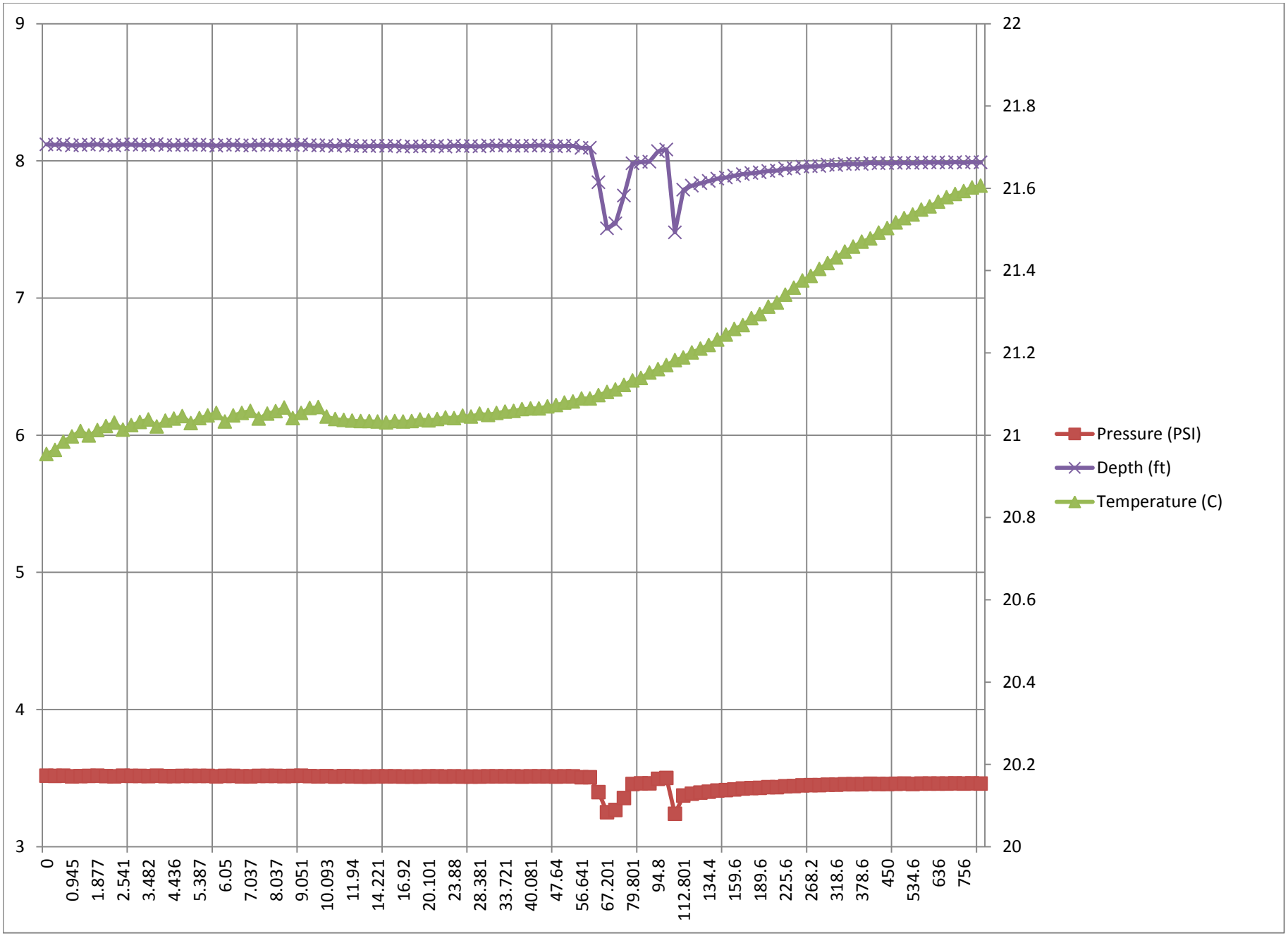
REMARKS:

Bouwer and Rice analysis of slug test, WRR 1976

Slug test was conducted in well MW-13 at Thomasville Bank site under VRP program; Peachtree Environmental project number 3151.

Slug_Bouwer_Rice Excel datasheet from USGS Analysis of Aquifer-Test and Slug-Test Data, Open File Report OFR 02-197.

MW-13


9
8
7
6
5
4
3
22
21.8
21.6
21.4
21.2
21
20.8
20.6
20.4
20.2
20
0
0.945
1.877
2.541
3.482
4.436
5.387
6.05
7.037
8.037
9.051
10.093
11.94
14.221
16.92
20.101
23.88
28.381
33.721
40.081
47.64
56.641
67.201
79.801
94.8
112.801
134.4
159.6
189.6
225.6
268.2
318.6
378.6
450
534.6
636
756
Pressure (PSI)
Depth (ft)
Temperature (C)

APPENDIX G

BIOCHLOR MODEL AND NATURAL ATTENUATION SCREENING MODELS

Natural Attenuation Screening Protocol

The following is taken from the USEPA protocol (USEPA, 1998). The results of this scoring process have no regulatory significance.

Interpretation	Score
Inadequate evidence for anaerobic biodegradation* of chlorinated organics	0 to 5
Limited evidence for anaerobic biodegradation* of chlorinated organics	6 to 14
Adequate evidence for anaerobic biodegradation* of chlorinated organics	15 to 20
Strong evidence for anaerobic biodegradation* of chlorinated organics	>20

* reductive dechlorination

Score: 6

Scroll to End of Table

Analysis	Concentration in Most Contam. Zone	Interpretation	Yes	No	Points Awarded
Oxygen*	<0.5 mg/L	Tolerated, suppresses the reductive pathway at higher concentrations	○	◉	0
	> 5mg/L	Not tolerated; however, VC may be oxidized aerobically	○	◉	0
Nitrate*	<1 mg/L	At higher concentrations may compete with reductive pathway	◉	○	2
Iron II*	>1 mg/L	Reductive pathway possible; VC may be oxidized under Fe(III)-reducing conditions	○	◉	0
Sulfate*	<20 mg/L	At higher concentrations may compete with reductive pathway	◉	○	2
Sulfide*	>1 mg/L	Reductive pathway possible	○	◉	0
Methane*	>0.5 mg/L	Ultimate reductive daughter product, VC Accumulates	◉	○	3
Oxidation Reduction Potential* (ORP)	<50 millivolts (mV)	Reductive pathway possible	○	◉	0
	<-100mV	Reductive pathway likely	○	◉	0
pH*	5 < pH < 9	Optimal range for reductive pathway	○	◉	-2
TOC	>20 mg/L	Carbon and energy source; drives dechlorination; can be natural or anthropogenic	○	◉	0
Temperature*	>20°C	At T >20°C biochemical process is accelerated	◉	○	1
Carbon Dioxide	>2x background	Ultimate oxidative daughter product	○	○	
Alkalinity	>2x background	Results from interaction of carbon dioxide with aquifer minerals	○	○	
Chloride*	>2x background	Daughter product of organic chlorine	○	◉	0
Hydrogen	>1 nM	Reductive pathway possible, VC may accumulate	○	○	
Volatile Fatty Acids	>0.1 mg/L	Intermediates resulting from biodegradation of aromatic compounds; carbon and energy source	○	○	
BTEX*	>0.1 mg/L	Carbon and energy source; drives dechlorination	○	◉	0
PCE*		Material released	○	◉	0
TCE*		Daughter product of PCE [a/]	○	◉	0
DCE*		Daughter product of TCE. If cis is greater than 80% of total DCE it is likely a daughter product of TCE[a/]; 1,1-DCE can be a chem. reaction product of TCA	○	◉	0
VC*		Daughter product of DCE[a/]	○	◉	0
1,1,1-Trichloroethane*		Material released	○	◉	0
DCA		Daughter product of TCA under reducing conditions	○	◉	0
Carbon Tetrachloride		Material released	○	◉	0
Chloroethane*		Daughter product of DCA or VC under reducing conditions	○	◉	0
Ethene/Ethane	>0.01 mg/L	Daughter product of VC/ethene	○	◉	0
	>0.1 mg/L	Daughter product of VC/ethene	○	◉	0
Chloroform		Daughter product of Carbon Tetrachloride	○	◉	0
Dichloromethane		Daughter product of Chloroform	○	◉	0

* required analysis.
a/ Points awarded only if it can be shown that the compound is a daughter product (i.e., not a constituent of the source NAPL).

SCORE Reset

Natural Attenuation Screening Protocol

The following is taken from the USEPA protocol (USEPA, 1998). The results of this scoring process have no regulatory significance.

Interpretation	Score
Inadequate evidence for anaerobic biodegradation* of chlorinated organics	0 to 5
Limited evidence for anaerobic biodegradation* of chlorinated organics	6 to 14
Adequate evidence for anaerobic biodegradation* of chlorinated organics	15 to 20
Strong evidence for anaerobic biodegradation* of chlorinated organics	>20

* reductive dechlorination

Score: 14

Scroll to End of Table

Analysis	Concentration in Most Contam. Zone	Interpretation	Yes	No	Points Awarded
Oxygen*	<0.5 mg/L	Tolerated, suppresses the reductive pathway at higher concentrations	◉	○	3
	> 5mg/L	Not tolerated; however, VC may be oxidized aerobically	○	◉	0
Nitrate*	<1 mg/L	At higher concentrations may compete with reductive pathway	○	◉	0
Iron II*	>1 mg/L	Reductive pathway possible; VC may be oxidized under Fe(III)-reducing conditions	◉	○	3
Sulfate*	<20 mg/L	At higher concentrations may compete with reductive pathway	○	◉	0
Sulfide*	>1 mg/L	Reductive pathway possible	○	◉	0
Methane*	>0.5 mg/L	Ultimate reductive daughter product, VC Accumulates	◉	○	3
Oxidation Reduction Potential* (ORP)	<50 millivolts (mV)	Reductive pathway possible	○	◉	0
	<-100mV	Reductive pathway likely	○	◉	0
pH*	5 < pH < 9	Optimal range for reductive pathway	○	◉	-2
TOC	>20 mg/L	Carbon and energy source; drives dechlorination; can be natural or anthropogenic	○	◉	0
Temperature*	>20°C	At T >20°C biochemical process is accelerated	◉	○	1
Carbon Dioxide	>2x background	Ultimate oxidative daughter product	○	○	
Alkalinity	>2x background	Results from interaction of carbon dioxide with aquifer minerals	○	○	
Chloride*	>2x background	Daughter product of organic chlorine	○	◉	0
Hydrogen	>1 nM	Reductive pathway possible, VC may accumulate	○	○	
Volatile Fatty Acids	>0.1 mg/L	Intermediates resulting from biodegradation of aromatic compounds; carbon and energy source	○	○	
BTEX*	>0.1 mg/L	Carbon and energy source; drives dechlorination	◉	○	2
PCE*		Material released	◉	○	0
TCE*		Daughter product of PCE [a/]	◉	○	2
DCE*		Daughter product of TCE. If cis is greater than 80% of total DCE it is likely a daughter product of TCE[a/]; 1,1-DCE can be a chem. reaction product of TCA	◉	○	2
VC*		Daughter product of DCE[a/]	○	◉	0
1,1,1-Trichloroethane*		Material released	○	◉	0
DCA		Daughter product of TCA under reducing conditions	○	◉	0
Carbon Tetrachloride		Material released	○	◉	0
Chloroethane*		Daughter product of DCA or VC under reducing conditions	○	◉	0
Ethene/Ethane	>0.01 mg/L	Daughter product of VC/ethene	○	◉	0
	>0.1 mg/L	Daughter product of VC/ethene	○	◉	0
Chloroform		Daughter product of Carbon Tetrachloride	○	◉	0
Dichloromethane		Daughter product of Chloroform	○	◉	0

* required analysis.
a/ Points awarded only if it can be shown that the compound is a daughter product (i.e., not a constituent of the source NAPL).

SCORE Reset

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Thomasville TNB
MW-5
Run Name

Data Input Instructions:

115 → 1. Enter value directly....or
↑ *or* 2. Calculate by filling in gray
0.02 cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	37.3	(ft/yr)
or			
Hydraulic Conductivity	K	1.8E-02	(cm/sec)
Hydraulic Gradient	i	0.0012	(ft/ft)
Effective Porosity	n	0.2	(-)

2. DISPERSION

Alpha x*	25.428	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	1.E-99	(-)

Calc.

3. ADSORPTION

Retardation Factor* → R
or

Soil Bulk Density, rho	1.6	(kg/L)		
FractionOrganicCarbon, foc	1.8E-3	(-)		
Partition Coefficient	Koc			
PCE	426	(L/kg)	7.13	(-)
TCE	130	(L/kg)	2.87	(-)
DCE	125	(L/kg)	2.80	(-)
VC	30	(L/kg)	1.43	(-)
ETH	302	(L/kg)	5.35	(-)
Common R (used in model)* =			**2.10**	

4. BIOTRANSFORMATION **-1st Order Decay Coefficient***

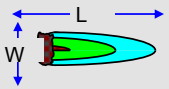
Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.100		0.79
TCE → DCE	0.220		0.74
DCE → VC	0.000		0.64
VC → ETH	0.000		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000	
TCE → DCE	0.000	
DCE → VC	0.000	
VC → ETH	0.000	

λ HELP

5. GENERAL

Simulation Time*	30	(yr)
Modeled Area Width*	400	(ft)
Modeled Area Length*	1000	(ft)
Zone 1 Length*	1000	(ft)
Zone 2 Length*	0	(ft)



Zone 2=

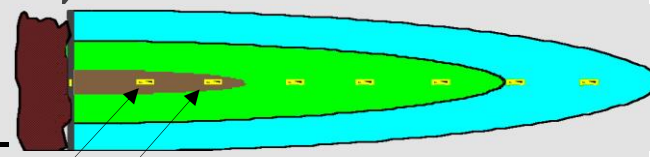
6. SOURCE DATA TYPE: Continuous, Single Planar

Source Options

Source Thickness in Sat. Zone* 30 (ft)

	Y1	k_s* (1/yr)
Width* (ft)	30	
Conc. (mg/L)*	C1	
PCE	5.2	0
TCE	.036	0
DCE	.01	0
VC	.0	0
ETH	0	0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

PCE Conc. (mg/L)	5.2	.31				.18				.04	
TCE Conc. (mg/L)	.036	.021				.021				.0	
DCE Conc. (mg/L)	.01	.0				.0				.0	
VC Conc. (mg/L)	0.0	.0				.0				.0	
ETH Conc. (mg/L)	0.0	.0				.0				.0	
Distance from Source (ft)	0	150				600				1050	
Date Data Collected	2013										

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | *Help* | Restore | RESE | *SEE* | Paste

Natural Attenuation Screening Protocol

The following is taken from the USEPA protocol (USEPA, 1998). The results of this scoring process have no regulatory significance.

Interpretation	Score
Inadequate evidence for anaerobic biodegradation* of chlorinated organics	0 to 5
Limited evidence for anaerobic biodegradation* of chlorinated organics	6 to 14
Adequate evidence for anaerobic biodegradation* of chlorinated organics	15 to 20
Strong evidence for anaerobic biodegradation* of chlorinated organics	>20

* reductive dechlorination

Score: 5

Scroll to End of Table

Analysis	Concentration in Most Contam. Zone	Interpretation	Yes	No	Points Awarded
Oxygen*	<0.5 mg/L	Tolerated, suppresses the reductive pathway at higher concentrations	○	◉	0
	> 5mg/L	Not tolerated; however, VC may be oxidized aerobically	○	◉	0
Nitrate*	<1 mg/L	At higher concentrations may compete with reductive pathway	◉	○	2
Iron II*	>1 mg/L	Reductive pathway possible; VC may be oxidized under Fe(III)-reducing conditions	○	◉	0
Sulfate*	<20 mg/L	At higher concentrations may compete with reductive pathway	◉	○	2
Sulfide*	>1 mg/L	Reductive pathway possible	○	◉	0
Methane*	>0.5 mg/L	Ultimate reductive daughter product, VC Accumulates	○	◉	0
Oxidation Reduction Potential* (ORP)	<50 millivolts (mV)	Reductive pathway possible	○	◉	0
	<-100mV	Reductive pathway likely	○	◉	0
pH*	5 < pH < 9	Optimal range for reductive pathway	○	◉	-2
TOC	>20 mg/L	Carbon and energy source; drives dechlorination; can be natural or anthropogenic	○	◉	0
Temperature*	>20°C	At T >20°C biochemical process is accelerated	◉	○	1
Carbon Dioxide	>2x background	Ultimate oxidative daughter product	○	○	
Alkalinity	>2x background	Results from interaction of carbon dioxide with aquifer minerals	○	○	
Chloride*	>2x background	Daughter product of organic chlorine	○	◉	0
Hydrogen	>1 nM	Reductive pathway possible, VC may accumulate	○	○	
Volatile Fatty Acids	>0.1 mg/L	Intermediates resulting from biodegradation of aromatic compounds; carbon and energy source	○	○	
BTEX*	>0.1 mg/L	Carbon and energy source; drives dechlorination	○	◉	0
PCE*		Material released	◉	○	0
TCE*		Daughter product of PCE [a/]	◉	○	2
DCE*		Daughter product of TCE. If cis is greater than 80% of total DCE it is likely a daughter product of TCE[a/]; 1,1-DCE can be a chem. reaction product of TCA	○	◉	0
VC*		Daughter product of DCE[a/]	○	◉	0
1,1,1-Trichloroethane*		Material released	○	◉	0
DCA		Daughter product of TCA under reducing conditions	○	◉	0
Carbon Tetrachloride		Material released	○	◉	0
Chloroethane*		Daughter product of DCA or VC under reducing conditions	○	◉	0
Ethene/Ethane	>0.01 mg/L	Daughter product of VC/ethene	○	◉	0
	>0.1 mg/L	Daughter product of VC/ethene	○	◉	0
Chloroform		Daughter product of Carbon Tetrachloride	○	◉	0
Dichloromethane		Daughter product of Chloroform	○	◉	0

* required analysis.
a/ Points awarded only if it can be shown that the compound is a daughter product (i.e., not a constituent of the source NAPL).

SCORE Reset

Natural Attenuation Screening Protocol

The following is taken from the USEPA protocol (USEPA, 1998). The results of this scoring process have no regulatory significance.

Interpretation	Score
Inadequate evidence for anaerobic biodegradation* of chlorinated organics	0 to 5
Limited evidence for anaerobic biodegradation* of chlorinated organics	6 to 14
Adequate evidence for anaerobic biodegradation* of chlorinated organics	15 to 20
Strong evidence for anaerobic biodegradation* of chlorinated organics	>20

* reductive dechlorination

Score: 6

Scroll to End of Table

Analysis	Concentration in Most Contam. Zone	Interpretation	Yes	No	Points Awarded
Oxygen*	<0.5 mg/L	Tolerated, suppresses the reductive pathway at higher concentrations	○	◉	0
	> 5mg/L	Not tolerated; however, VC may be oxidized aerobically	○	◉	0
Nitrate*	<1 mg/L	At higher concentrations may compete with reductive pathway	◉	○	2
Iron II*	>1 mg/L	Reductive pathway possible; VC may be oxidized under Fe(III)-reducing conditions	○	◉	0
Sulfate*	<20 mg/L	At higher concentrations may compete with reductive pathway	○	◉	0
Sulfide*	>1 mg/L	Reductive pathway possible	○	◉	0
Methane*	>0.5 mg/L	Ultimate reductive daughter product, VC Accumulates	◉	○	3
Oxidation Reduction Potential* (ORP)	<50 millivolts (mV)	Reductive pathway possible	○	◉	0
	<-100mV	Reductive pathway likely	○	◉	0
pH*	5 < pH < 9	Optimal range for reductive pathway	◉	○	0
TOC	>20 mg/L	Carbon and energy source; drives dechlorination; can be natural or anthropogenic	○	◉	0
Temperature*	>20°C	At T >20°C biochemical process is accelerated	◉	○	1
Carbon Dioxide	>2x background	Ultimate oxidative daughter product	○	○	
Alkalinity	>2x background	Results from interaction of carbon dioxide with aquifer minerals	○	○	
Chloride*	>2x background	Daughter product of organic chlorine	○	◉	0
Hydrogen	>1 nM	Reductive pathway possible, VC may accumulate	○	○	
Volatile Fatty Acids	>0.1 mg/L	Intermediates resulting from biodegradation of aromatic compounds; carbon and energy source	○	○	
BTEX*	>0.1 mg/L	Carbon and energy source; drives dechlorination	○	◉	0
PCE*		Material released	◉	○	0
TCE*		Daughter product of PCE [a/]	○	◉	0
DCE*		Daughter product of TCE. If cis is greater than 80% of total DCE it is likely a daughter product of TCE[a/]; 1,1-DCE can be a chem. reaction product of TCA	○	◉	0
VC*		Daughter product of DCE[a/]	○	◉	0
1,1,1-Trichloroethane*		Material released	○	◉	0
DCA		Daughter product of TCA under reducing conditions	○	◉	0
Carbon Tetrachloride		Material released	○	◉	0
Chloroethane*		Daughter product of DCA or VC under reducing conditions	○	◉	0
Ethene/Ethane	>0.01 mg/L	Daughter product of VC/ethene	○	◉	0
	>0.1 mg/L	Daughter product of VC/ethene	○	◉	0
Chloroform		Daughter product of Carbon Tetrachloride	○	◉	0
Dichloromethane		Daughter product of Chloroform	○	◉	0

* required analysis.
a/ Points awarded only if it can be shown that the compound is a daughter product (i.e., not a constituent of the source NAPL).

SCORE Reset

APPENDIX H

VISL SCREENING AND JOHNSON & ETTINGER MODEL RESULTS

OSWER VAPOR INTRUSION ASSESSMENT
Groundwater Concentration to Indoor Air Concentration (GWC-IAC) Calculator Version 3.2, November 2013 RSLs

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Commercial	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-05	Enter target risk for carcinogens (for comparison to the calculated VI carcinogenic risk in column F)
Target Hazard Quotient for Non-Carcinogens	THQ	1	Enter target hazard quotient for non-carcinogens (for comparison to the calculated VI hazard in column G)
Average Groundwater Temperature (^oC)	Tgw	19.4	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

CAS	Chemical Name	Site Groundwater Concentration Cgw (ug/L)	Calculated Indoor Air Concentration Cia (ug/m^3)	VI Carcinogenic Risk CR	VI Hazard HQ	Inhalation Unit Risk IUR ($(ug/m^3)^{-1}$)	IUR Source*	Reference Concentration RfC (mg/m^3)	RFC Source*	Mutagenic Indicator i
71-43-2	Benzene	1.1E+01	1.93E+00	1.2E-06	1.5E-02	7.80E-06	I	3.00E-02	I	
98-82-8	Cumene	6.0E+01	1.88E+01	No IUR	1.1E-02			4.00E-01	I	
110-83-8	Cyclohexene	8.9E+01	1.28E+02	No IUR	2.9E-02			1.00E+00	X	
156-59-2	Dichloroethylene, 1,2-cis-	1.8E+01	2.35E+00	No IUR	No RfC					
100-41-4	Ethylbenzene	1.1E+03	2.56E+02	**5.2E-05**	5.8E-02	2.50E-06	CA	1.00E+00	I	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	2.2E+01	4.19E-01	8.9E-09	3.2E-05	2.60E-07	CA	3.00E+00	I	
127-18-4	Tetrachloroethylene	5.2E+03	2.77E+03	**5.9E-05**	**1.6E+01**	2.60E-07	I	4.00E-02	I	
108-88-3	Toluene	2.6E+03	5.27E+02	No IUR	2.4E-02			5.00E+00	I	
79-01-6	Trichloroethylene	3.6E+01	1.10E+01	3.7E-06	**1.3E+00**	see note	I	2.00E-03	I	TCE
95-47-6	Xylene, o-	1.9E+03	2.90E+02	No IUR	6.6E-01			1.00E-01	S	
1330-20-7	Xylenes	4.1E+03	6.26E+02	No IUR	**1.4E+00**			1.00E-01	I	
				1.2E-04	1.93E+01					

Notes:

(1) **Inhalation Pathway Exposure Parameters (RME):**

Exposure Scenario	Units	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
Averaging time for carcinogens	(yrs)	ATc_R_GW	70	ATc_C_GW	70	ATc_GW	70
Averaging time for non-carcinogens	(yrs)	ATnc_R_GW	30	ATnc_C_GW	25	Atnc_GW	25
Exposure duration	(yrs)	ED_R_GW	30	ED_C_GW	25	ED_GW	25
Exposure frequency	(days/yr)	EF_R_GW	350	EF_C_GW	250	EF_GW	250
Exposure time	(hr/day)	ET_R_GW	24	ET_C_GW	8	ET_GW	8

(2) **Generic Attenuation Factors:**

Source Medium of Vapors		Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
Groundwater	(-)	AFgw_R_GW	0.001	AFgw_C_GW	0.001	AFgw_GW	0.001
Sub-Slab and Exterior Soil Gas	(-)	AFss_R_GW	0.1	AFss_C_GW	0.1	AFss_GW	0.1

(3) **Formulas**

Cia, target = MIN(Cia,c; Cia,nc)
Cia,c (ug/m3) = TCR x ATc x (365 days/yr) x (24 hrs/day) / (ED x EF x ET x IUR)
Cia,nc (ug/m3) = THQ x ATnc x (365 days/yr) x (24 hrs/day) x RfC x (1000 ug/mg) / (ED x EF x ET)

(4) **Special Case Chemicals**

Trichloroethylene	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
	mIURTCE_R_GW	1.00E-06	mIURTCE_C_GW	0.00E+00	mIURTCE_GW	0.00E+00
	IURTCE_R_GW	3.10E-06	IURTCE_C_GW	4.10E-06	IURTCE_GW	4.10E-06

Mutagenic Chemicals — The exposure durations and age-dependent adjustment factors for mutagenic-mode-of-action are listed in the table below:

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to vinyl chloride.

Age Cohort	Exposure Duration	Age-dependent adjustment factor
0 - 2 years	2	10
2 - 6 years	4	3
6 - 16 years	10	3
16 - 30 years	14	1
Mutagenic-mode-of-action (MMOA) adjustment factor		25

This factor is used in the equations for mutagenic chemicals.

Vinyl Chloride — See the Navigation Guide equation for Cia,c for vinyl chloride.

Notation:

I = IRIS: EPA Integrated Risk Information System (IRIS). Available online at: http://www.epa.gov/iris/subst/index.html
P = PPRTV. EPA Provisional Peer Reviewed Toxicity Values (PPRTVs). Available online at: http://hhpprtv.ornl.gov/pprtv.shtml
A = Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Levels (MRLs). Available online at: http://www.atsdr.cdc.gov/mrls/index.html
CA = California Environmental Protection Agency/Office of Environmental Health Hazard Assessment assessments. Available online at: http://www.oehha.ca.gov/risk/ChemicalDB/index.asp
H = HEAST. EPA Superfund Health Effects Assessment Summary Tables (HEAST) database. Available online at: http://epa-heast.ornl.gov/heast.shtml
S = See RSL User Guide, Section 5
X = PPRTV Appendix
Mut = Chemical acts according to the mutagenic-mode-of-action, special exposure parameters apply (see footnote (4) above).
VC = Special exposure equation for vinyl chloride applies (see Navigation Guide for equation).
TCE = Special mutagenic and non-mutagenic IURs for trichloroethylene apply (see footnote (4) above).
Yellow highlighting indicates site-specific parameters that may be edited by the user.
Blue highlighting indicates exposure factors that are based on Risk Assessment Guidance for Superfund (RAGS) or EPA vapor intrusion guidance, which generally should not be changed.
Pink highlighting indicates VI carcinogenic risk greater than the target risk for carcinogens (TCR) or VI Hazard greater than or equal to the target hazard quotient for non-carcinogens (THQ).

GW-ADV
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED GROUNDWATER CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL GROUNDWATER CONCENTRATION (enter "X" in "YES" box and initial groundwater conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial groundwater conc., C_W (µg/L)	Chemical
108383	4.10E+03	m-Xylene

MORE ↓

ENTER Average soil/ groundwater temperature, T_S (°C)	ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Depth below grade to water table, L_{WT} (cm)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum directly above water table, (Enter A, B, or C)	ENTER SCS soil type directly above water table	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of L_{WT} (cell G28)							
19.4	15	762	762	0	0	A	SC	SC		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
SC	1.63	0.385	0.197	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	2438	1829	244	0.1	0.25	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	25	25	250	1.0E-05	1
				Used to calculate risk-based groundwater concentration.	

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H ($atm\text{-}m^3/mol$)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
8.47E-02	9.90E-06	5.18E-03	25	8,523	412.27	617.05	3.83E+02	1.06E+02	0.0E+00	1.0E-01

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Thickness of capillary zone, L_{cz} (cm)	Total porosity in capillary zone, n_{cz} (cm^3/cm^3)	Air-filled porosity in capillary zone, $\theta_{a,cz}$ (cm^3/cm^3)	Water-filled porosity in capillary zone, $\theta_{w,cz}$ (cm^3/cm^3)	Floor-wall seam perimeter, X_{crack} (cm)
7.88E+08	747	0.188	0.244	0.244	0.299	1.77E-09	0.837	1.48E-09	30.00	0.385	0.030	0.355	8,534

Bldg. ventilation rate, $Q_{building}$ (cm^3/s)	Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. groundwater temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
7.56E+04	4.59E+06	1.86E-04	15	10,145	3.73E-03	1.55E-01	1.78E-04	2.19E-03	0.00E+00	0.00E+00	1.86E-05	3.85E-04	747

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $\exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	6.37E+05	0.10	3.13E+00	2.19E-03	8.53E+02	1.84E+07	1.78E-05	1.13E+01	NA	1.0E-01

END

RESULTS SHEET

RISK-BASED GROUNDWATER CONCENTRATION CALCULATIONS:

Indoor exposure groundwater conc., carcinogen (μg/L)	Indoor exposure groundwater conc., noncarcinogen (μg/L)	Risk-based indoor exposure groundwater conc., (μg/L)	Pure component water solubility, S (μg/L)	Final indoor exposure groundwater conc., (μg/L)
NA	NA	NA	1.06E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	7.8E-02

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	URF extrapolated (X)	RfC extrapolated (X)
79016	Trichloroethylene	60.7	0.0686618	0.0000102	1280	0.4026983	0.00985	25	360.36	544.20	7,505	4.1E-06	2.0E-03	X	
100414	Ethylbenzene	446.1	0.0684652	8.4558E-06	169	0.3221586	0.00788	25	409.34	617.20	8,501	2.5E-06	1.0E+00		
108383	m-Xylene	382.9	0.0847395	9.9011E-06	106	0.2117743	0.00518	25	412.27	617.05	8,523	0.0E+00	1.0E-01		
127184	Tetrachloroethylene	94.94	0.0504664	9.4551E-06	206	0.7236304	0.0177	25	394.40	620.20	8,288	2.6E-07	4.0E-02		

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Reset to Defaults

CALCULATE RISK-BASED GROUNDWATER CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL GROUNDWATER CONCENTRATION (enter "X" in "YES" box and initial groundwater conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial groundwater conc., C_W (µg/L)	Chemical
79016	3.60E+01	Trichloroethylene

MORE ↓

ENTER Average soil/ groundwater temperature, T_S (°C)	ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Depth below grade to water table, L_{WT} (cm)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum directly above water table, (Enter A, B, or C)	ENTER SCS soil type directly above water table	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of L_{WT} (cell G28)							
19.4	15	762	762	0	0	A	SC	SC		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
SC	1.63	0.385	0.197	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	2438	1829	244	0.1	0.25	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	25	25	250	1.0E-05	1
				Used to calculate risk-based groundwater concentration.	

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H ($atm\text{-}m^3/mol$)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($(\mu g/m^3)^{-1}$)	Reference conc., RfC (mg/m^3)
6.87E-02	1.02E-05	9.85E-03	25	7,505	360.36	544.20	6.07E+01	1.28E+03	4.1E-06	2.0E-03

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Thickness of capillary zone, L_{cz} (cm)	Total porosity in capillary zone, n_{cz} (cm^3/cm^3)	Air-filled porosity in capillary zone, $\theta_{a,cz}$ (cm^3/cm^3)	Water-filled porosity in capillary zone, $\theta_{w,cz}$ (cm^3/cm^3)	Floor-wall seam perimeter, X_{crack} (cm)
7.88E+08	747	0.188	0.244	0.244	0.299	1.77E-09	0.837	1.48E-09	30.00	0.385	0.030	0.355	8,534

Bldg. ventilation rate, $Q_{building}$ (cm^3/s)	Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. groundwater temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
7.56E+04	4.59E+06	1.86E-04	15	8,440	7.50E-03	3.12E-01	1.78E-04	1.77E-03	0.00E+00	0.00E+00	1.10E-05	2.38E-04	747

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $\exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.12E+04	0.10	3.13E+00	1.77E-03	8.53E+02	9.28E+08	1.32E-05	1.48E-01	4.1E-06	2.0E-03

END

RESULTS SHEET

RISK-BASED GROUNDWATER CONCENTRATION CALCULATIONS:

Indoor exposure groundwater conc., carcinogen (μg/L)	Indoor exposure groundwater conc., noncarcinogen (μg/L)	Risk-based indoor exposure groundwater conc., (μg/L)	Pure component water solubility, S (μg/L)	Final indoor exposure groundwater conc., (μg/L)
NA	NA	NA	1.28E+06	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
1.5E-07	5.1E-02

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

MESSAGE: Risk/HQ or risk-based groundwater concentration is based on a route-to-route extrapolation.

SCROLL DOWN TO "END"

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	URF extrapolated (X)	RfC extrapolated (X)
79016	Trichloroethylene	60.7	0.0686618	0.0000102	1280	0.4026983	0.00985	25	360.36	544.20	7,505	4.1E-06	2.0E-03	X	
100414	Ethylbenzene	446.1	0.0684652	8.4558E-06	169	0.3221586	0.00788	25	409.34	617.20	8,501	2.5E-06	1.0E+00		
108383	m-Xylene	382.9	0.0847395	9.9011E-06	106	0.2117743	0.00518	25	412.27	617.05	8,523	0.0E+00	1.0E-01		
127184	Tetrachloroethylene	94.94	0.0504664	9.4551E-06	206	0.7236304	0.0177	25	394.40	620.20	8,288	2.6E-07	4.0E-02		

GW-ADV
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED GROUNDWATER CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL GROUNDWATER CONCENTRATION (enter "X" in "YES" box and initial groundwater conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial groundwater conc., C_W (µg/L)	Chemical
127184	5.20E+03	Tetrachloroethylene

MORE ↓

ENTER Average soil/ groundwater temperature, T_S (°C)	ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Depth below grade to water table, L_{WT} (cm)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum directly above water table, (Enter A, B, or C)	ENTER SCS soil type directly above water table	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of L_{WT} (cell G28)							
19.4	15	762	762	0	0	A	SC	SC		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
SC	1.63	0.385	0.197	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s^2)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	2438	1829	244	0.1	0.25	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	25	25	250	1.0E-05	1
				Used to calculate risk-based groundwater concentration.	

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
5.05E-02	9.46E-06	1.77E-02	25	8,288	394.40	620.20	9.49E+01	2.06E+02	2.6E-07	4.0E-02

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Thickness of capillary zone, L_{cz} (cm)	Total porosity in capillary zone, n_{cz} (cm^3/cm^3)	Air-filled porosity in capillary zone, $\theta_{a,cz}$ (cm^3/cm^3)	Water-filled porosity in capillary zone, $\theta_{w,cz}$ (cm^3/cm^3)	Floor-wall seam perimeter, X_{crack} (cm)
7.88E+08	747	0.188	0.244	0.244	0.299	1.77E-09	0.837	1.48E-09	30.00	0.385	0.030	0.355	8,534

Bldg. ventilation rate, $Q_{building}$ (cm^3/s)	Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. groundwater temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
7.56E+04	4.59E+06	1.86E-04	15	9,458	1.30E-02	5.43E-01	1.78E-04	1.30E-03	0.00E+00	0.00E+00	6.67E-06	1.48E-04	747

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $\exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	2.82E+06	0.10	3.13E+00	1.30E-03	8.53E+02	1.60E+12	9.32E-06	2.63E+01	2.6E-07	4.0E-02

END

RESULTS SHEET

RISK-BASED GROUNDWATER CONCENTRATION CALCULATIONS:

Indoor exposure groundwater conc., carcinogen (μg/L)	Indoor exposure groundwater conc., noncarcinogen (μg/L)	Risk-based indoor exposure groundwater conc., (μg/L)	Pure component water solubility, S (μg/L)	Final indoor exposure groundwater conc., (μg/L)
NA	NA	NA	2.06E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
1.7E-06	4.5E-01

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^{-3}/cm^{-3})	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^{-3})	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	URF extrapolated (X)	RfC extrapolated (X)
79016	Trichloroethylene	60.7	0.0686618	0.0000102	1280	0.4026983	0.00985	25	360.36	544.20	7,505	4.1E-06	2.0E-03	X	
100414	Ethylbenzene	446.1	0.0684652	8.4558E-06	169	0.3221586	0.00788	25	409.34	617.20	8,501	2.5E-06	1.0E+00		
108383	m-Xylene	382.9	0.0847395	9.9011E-06	106	0.2117743	0.00518	25	412.27	617.05	8,523	0.0E+00	1.0E-01		
127184	Tetrachloroethylene	94.94	0.0504664	9.4551E-06	206	0.7236304	0.0177	25	394.40	620.20	8,288	2.6E-07	4.0E-02		

GW-ADV
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED GROUNDWATER CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL GROUNDWATER CONCENTRATION (enter "X" in "YES" box and initial groundwater conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial groundwater conc., C_W (µg/L)	Chemical
100414	1.10E+03	Ethylbenzene

MORE ↓

ENTER Average soil/ groundwater temperature, T_S (°C)	ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Depth below grade to water table, L_{WT} (cm)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum directly above water table, (Enter A, B, or C)	ENTER SCS soil type directly above water table	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of L_{WT} (cell G28)							
19.4	15	762	762	0	0	A	SC	SC		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
SC	1.63	0.385	0.197	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	2438	1829	244	0.1	0.25	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	25	25	250	1.0E-05	1
				Used to calculate risk-based groundwater concentration.	

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H ($atm\text{-}m^3/mol$)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
6.85E-02	8.46E-06	7.88E-03	25	8,501	409.34	617.20	4.46E+02	1.69E+02	2.5E-06	1.0E+00

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Thickness of capillary zone, L_{cz} (cm)	Total porosity in capillary zone, n_{cz} (cm^3/cm^3)	Air-filled porosity in capillary zone, $\theta_{a,cz}$ (cm^3/cm^3)	Water-filled porosity in capillary zone, $\theta_{w,cz}$ (cm^3/cm^3)	Floor-wall seam perimeter, X_{crack} (cm)
7.88E+08	747	0.188	0.244	0.244	0.299	1.77E-09	0.837	1.48E-09	30.00	0.385	0.030	0.355	8,534

Bldg. ventilation rate, $Q_{building}$ (cm^3/s)	Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. groundwater temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
7.56E+04	4.59E+06	1.86E-04	15	10,047	5.70E-03	2.37E-01	1.78E-04	1.77E-03	0.00E+00	0.00E+00	1.16E-05	2.50E-04	747

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $\exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	2.61E+05	0.10	3.13E+00	1.77E-03	8.53E+02	9.84E+08	1.36E-05	3.56E+00	2.5E-06	1.0E+00

END

RESULTS SHEET

RISK-BASED GROUNDWATER CONCENTRATION CALCULATIONS:

Indoor exposure groundwater conc., carcinogen (μg/L)	Indoor exposure groundwater conc., noncarcinogen (μg/L)	Risk-based indoor exposure groundwater conc., (μg/L)	Pure component water solubility, S (μg/L)	Final indoor exposure groundwater conc., (μg/L)
NA	NA	NA	1.69E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
2.2E-06	2.4E-03

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	URF extrapolated (X)	RfC extrapolated (X)
79016	Trichloroethylene	60.7	0.0686618	0.0000102	1280	0.4026983	0.00985	25	360.36	544.20	7,505	4.1E-06	2.0E-03	X	
100414	Ethylbenzene	446.1	0.0684652	8.4558E-06	169	0.3221586	0.00788	25	409.34	617.20	8,501	2.5E-06	1.0E+00		
108383	m-Xylene	382.9	0.0847395	9.9011E-06	106	0.2117743	0.00518	25	412.27	617.05	8,523	0.0E+00	1.0E-01		
127184	Tetrachloroethylene	94.94	0.0504664	9.4551E-06	206	0.7236304	0.0177	25	394.40	620.20	8,288	2.6E-07	4.0E-02		

APPENDIX I

SUMMARY- PROFESSIONAL CERTIFICATION HOURS

THOMASVILLE NATIONAL BANK
THOMASVILLE, THOMAS COUNTY, GEORGIA
HSI #10902

APPENDIX I
MONTHLY SUMMARY AND DESCRIPTION OF PROFESSIONAL ENGINEER HOURS

Quantity	Units	Time Period + Description of Activities	Hours		
					Subtotal
		July 28 to August 31, 2013			
0.00	Hours	Project Director (John P. Martiniere, P.E.)			0.00
		September 1 -28, 2013			
0.00	Hours	Project Director (John P. Martiniere, P.E.)			0.00
		September 29 - October 26, 2013			
0.00	Hours	Project Director (John P. Martiniere, P.E.)			0.00
		October 27 - November 30, 2013			
1.00	Hours	**PE Oversight / Project Management -** Review additions to VRP Application and Discuss Outstanding Insurance Issues Project Director (John P. Martiniere, P.E.)			1.00
		December 1 - 28, 2013			
0.00	Hours	Project Director (John P. Martiniere, P.E.)			0.00
		December 29 - January 25, 2013			
4.00	Hours	**PE Oversight / Project Management -** Senior review of 2nd Semiannual VRP Progress Report and comment response letter Project Director (John P. Martiniere, P.E.)			4.00
		January 26 - February 22, 2013			
6.50	Hours	**PE Oversight / Project Management -** Senior review of 2nd Semiannual VRP Progress Report and comment response letter Project Director (John P. Martiniere, P.E.)			6.50
				PE MONTHLY HOURS TOTAL =>	**11.50**