

**SECOND SEMI-ANNUAL VRP PROGRESS REPORT FOR THE
COLUMBIA COUNTY CAR CARE CENTER PROPERTY
MARTINEZ, COLUMBIA COUNTY, GEORGIA
HSI # 10394**

PROJECT NUMBER 3226

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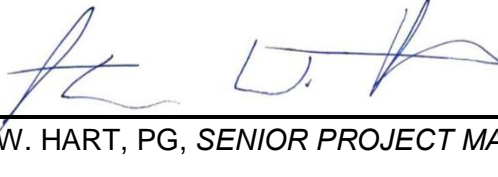


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AUGUST 2014

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AUGUST 2014

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ACRONYMS

5C	Columbia County Car Care Center
AES	Analytical Environmental Services, Inc.
Applicant	Dr. Harinderjit Singh (%Singh+)
bgs	Below Ground Surface
bls	Below Land Surface
CAP	Corrective Action Plan
cis-1,2-DCE	cis-1,2-Dichloroethene
CSR	Compliance Status Report
CSM	Conceptual Site Model
EMNA	Enhanced Monitored Natural Attenuation
Georgia EPD	Georgia Environmental Protection Division
Georgia HWMA	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)
MDL	Method Detection Limit
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	Columbia County Car Care Center (%5C+) Property
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
U.S. EPA	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 Remediation Program (VRP) Second Semi-annual Progress Report for the Columbia County Car Care Center (~~5C~~) property (Hazardous Site Inventory # 10394) located at 4014 Washington Road, in Martinez, Columbia County, Georgia (the ~~VRP PROPERTY~~) on behalf of the **APPLICANT**, Dr. Harinderjit Singh and 5C Washington Road, LLC. This is the Second VRP Semi-annual Progress Report for the VRP Property and describes activities conducted at the property since the First Semi-annual Progress Report submitted in May 2014.

1.2 VRP PROPERTY DESCRIPTION

The VRP Property consists of two parcels of land totaling approximately 1.78 acres, which is more fully described as follows:

" 4014 Washington Road - Parcel ID: 079 133 (1.78 Acres).

The VRP Property has a latitude coordinate of 33°30'36.09" North and a longitude coordinate of 83°06'11.25" West. A VRP Property Location / USGS Topographic Map is included as **Figure 1**.

The VRP Property is developed with two one-story buildings and is currently utilized as an automobile repair facility (*Performance Plus Transmission*) and an automobile window repair facility. The Site is bordered by:

- " North - Washington Road with commercial strip mall property (restaurant and retail establishments);
- " East . Commercial property (former Blockbuster Video);
- " South . Commercial strip mall property (restaurant and retail establishments); and
- " West . Columbia Square Shopping Center (including the former *Vogue Cleaners*).

A VRP Property layout map showing sample locations is provided as **Figure 2**.

1.3 PROPERTY HISTORY

The VRP Property has operated as various retail automobile repair facilities dating back to 1988. Automotive repair activities performed on the VRP Property have ranged from transmission and engine repair to routine maintenance and oil change operations.

The VRP Property was sub-listed with the adjacent former *Vogue Cleaners* on the Hazardous Site Inventory (HSI) as Site No. 10394 on February 3, 2000 due to a release of tetrachloroethene (PCE) at Vogue Cleaners. PCE has not been used at the VRP Property. However, in a 1996 Notification of Regulated Waste Activity Form submitted to the U.S. Environmental Protection Agency (EPA) by *Performance Plus Transmission*, the auto repair shop located on the VRP Property, erroneously included the waste code for PCE. In a May

2007 subsequent affidavit, Mr. Glenn Tanner, the owner and operator of *Performance Plus Transmission*, provided the clarification that the business had never used or stored PCE or any chlorinated solvents on the VRP Property.

Descriptions of previous assessments conducted at the VRP Property and of significant regulatory correspondence are provided in the following Sections.

1.3.1 February 2007 Limited Subsurface Investigation

On February 9, 2007, J. Dunaway & Co performed a limited subsurface investigation to assess whether a source of PCE was originating from the VRP Property in and around soil boring locations WESB-26 and WESB-40, which had previously been advanced on the VRP Property as a part of the former Vogue Cleanersq CSR investigation (see **Figure 3**). Five soil borings (SB-1 through SB-5) were installed on the VRP Property (**Figure 3**). Based on the analytical results, PCE was detected at concentrations ranging from 0.054 mg/Kg to 8.33 mg/Kg.

1.3.2 August 2012 Soil and Groundwater Sampling Activities

In August 2012, Peachtree initiated a limited soil and groundwater investigation at the VRP Property. The investigation consisted of the following:

- “ The collection of groundwater samples from the seven existing on-site monitoring wells (MW-5D, MW-5DD, MW-10, MW-10D, MW-11D, MW-15, and MW-15D) for analysis of Volatile Organic Compounds (VOCs) via EPA Method 8260B.
- “ The installation of a monitoring well (PMW-1) and subsequent collection of a groundwater sample for analysis of VOCs via EPA Method 8260B.
- “ Advancement of eight direct-push soil borings (DP-1 through DP-8). Soil samples with significant photoionization detector (PID) field readings were submitted to the laboratory for analysis of VOCs via EPA Method 8260B.

1.3.3 VRP Milestones

In February 2013, a Voluntary Investigation and Remediation Plan (VIRP) and VRP Application were submitted for the site utilizing data collected in August 2012. Georgia EPD approved the VRP Application in August 2013. The First VRP Semi-annual Progress Report was due in February 2014. Peachtree submitted the report in May 2014 with EPD concurrence. The Second VRP Semi-annual Progress Report is due in August 2014, and is hereby submitted.

2.0 PRELIMINARY CONCEPTUAL SITE MODEL

A Conceptual Site Model (CSM) has been developed for the VRP Property. The CSM is 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 VRP Property contains two single-story garage-style buildings, both constructed of cinder block and situated on a concrete slab. The parking lot and driveway are paved with asphalt. Grassed and landscaped areas are present to the north and east of the on-site buildings. The property is designated for commercial/retail use.

2.1.2 Subsurface Setting

The VRP Property is situated on the western side of a broad ridge top. The ridge is dissected to the west by Reed Creek, a north-flowing tributary to the Savannah River, and to the east by numerous named and unnamed tributaries to the Savannah River. Reed Creek is approximately 0.5 miles west of the VRP Property and the Savannah River is approximately 6 miles to the east of the VRP Property.

The VRP Property lies along the geologic and physiographic boundary known as the Fall Line. Geologically, the Fall Line is the contact between the Cretaceous and younger sediments of the Coastal Plain Physiographic Province to the south and the older, crystalline rocks of the Piedmont Province to the north. Several stream characteristics change as they flow south across the Fall Line: rapids and shoals are common near the geologic contact, floodplains are considerably wider on the younger sediments, and the frequency of stream meanders increases.

The gently undulating surface of the Washington Slope District of the Piedmont Province occurs north of the Fall Line. Streams in this district occupy broad, shallow valleys with long gentle side slopes separated by broad, rounded divides (Clark and Zisa, 1976). The Fall Line Hills District of the Coastal Plain Province occurs south of the Fall Line and is highly dissected with little level land except marshy floodplains and their better drained, narrow stream terraces (Clark and Zisa, 1976).

Bedrock in nearby portions of the Washington Slope District, and underlying the unconsolidated sediments of the Fall Line Hills, is an imbricate complex of coarse-grained biotitic metagraywackes, pebbly mudstones, semischists, and thin beds of chert

(Higgins et al., 1988). The bedrock is covered by unconsolidated saprolite, alluvium, and soil, collectively referred to as regolith, and occurs at depths of approximately 85 to 110 feet below ground surface in the area. The bedrock and its regolith are the uppermost subsurface units in the Washington Slope District. South of the Fall Line, the bedrock and regolith are overlain by unconsolidated sediments of the Coastal Plain, except where removed by erosion along stream valleys, such as Reed Creek to the west of the VRP Property. The Coastal Plain sediments consist of undifferentiated Cretaceous strata overlain by white to cream, buff, and gray, medium- to coarse-grained, cross-bedded, fossiliferous, kaolinitic sand of the Huber Formation of Paleocene and Eocene age (Buie, 1978).

Soil beneath the VRP Facility consists of the Wagram loamy sand (NRCS, 2014), a deep, well-drained, very gently sloping soil that forms from marine sediments, such as the Huber Formation, and occurs on broad ridge tops (USDA, 1981). The contact between the Wagram loamy sand and the adjacent Bibb silt loam, a deep, poorly drained, nearly level soil that forms from alluvial sediments on floodplains, coincides with the western boundary of the VRP Property (NRCS, 2014). Further west, soils along Reed Creek consist of Cecil sandy clay loam. The Cecil soil formed from residuum weathered from Piedmont Province metamorphic bedrock (USDA, 1981).

Based on the topographic setting of the VRP Property, the soils present beneath the site, and published geologic maps of the area, it appears that the VRP Property is located over Coastal Plain sediments. Crystalline rock of the Piedmont Province occurs beneath the Coastal Plain sediments and at the ground surface in areas of lower elevations, such as the valley of Reed Creek to the west. The Fall Line, the contact between the Coastal Plain sediment and bedrock of the Piedmont Province, is overlain by the alluvium-derived soil (Bibb silt loam) west of the VRP Property.

Shallow groundwater occurs under water table (unconfined) conditions beneath the VRP Property. In July 2014, depths to groundwater were measured from the surveyed top of well casings and ranged between 2.57 ft-bgs (MW-5DD) and 7.72 ft-bgs (MW-5D). Groundwater elevations collected in **October 2013 and July 2014** are summarized on **Table 1**.

Although groundwater levels were measured in each of the on-site monitoring wells for calculating purge volumes, a groundwater table elevation map for the VRP Property should only be generated from measurements in wells constructed within the same water bearing zone at approximately the same time.

For the following reasons, no water table elevation map has been drawn for this report:

1. Any contamination impacts are in the shallow zones; therefore, groundwater flow direction assumptions should be drawn from measurements of water table elevations in shallow wells.
2. There are a limited number of the shallow on-site wells (3) on the VRP Property
3. One of the three shallow wells was not surveyed and therefore cannot be accurately measured. Two wells are not sufficient to draw conclusions about ground water flow direction.

4. No water table elevation data from the adjacent property were available in the same time frame as the July 2014 water table measurements.

2.2 KNOWN OR SUSPECTED SOURCE AREAS

The VRP Property has operated as an automobile repair facility dating back to 1988. Chlorinated solvents were not used on the Property, and 5C maintains that the listing of chlorinated solvents on a 1996 Notification of Regulated Waste Activity form was an error based on a clarification from the owner of the establishment at that time.

Based on previous investigations, knowledge of how the area was developed, and the results of the August 2012 subsurface investigation, Peachtree understands from reliable sources that PCE-impacted soil from the Vogue Cleaners site was used to fill in low areas near the VRP Property's western boundary with Columbia Square Shopping Center during 1988 pre-construction grading activities. The suspected source areas (*Vogue Cleaners* and on-site impacted fill/soils) are depicted on **Figures 4 and 5**.

2.3 REGULATED SUBSTANCES

As previously discussed (Section 1.3.2), Peachtree conducted a soil and groundwater investigation at the VRP Property in August 2012. The most recent groundwater sampling event was performed in July 2014. Based on the 2012 soil and 2014 groundwater data, the following regulated substances have been detected above the laboratory MDL:

- PCE (CAS No. 127184) - Soil/Groundwater;
- Trichloroethene (TCE) (CAS No. 79016) - Soil;
- cis-1,2-Dichloroethene (cis-1,2-DCE) (CAS No. 156592) . Soil

2.3.1 Regulated Substances Previously Found in Soil – Aug 2012

PCE, TCE, and cis-1,2-DCE were detected in soil above the laboratory MDL during Peachtree's August 2012 investigation, with only PCE detected above its Type 1 RRS. The regulated substances detected in soil and their respective Type 1 Risk Reduction Standards are provided below:

REGULATED CONSTITUENT	HIGHEST DETECTED CONCENTRATION (SOIL SAMPLE - DEPTH)	TYPE 1 RRS (MG/KG)
PCE	19 mg/Kg (DP-7- 0-2')	0.5
TCE	0.090 mg/Kg (DP-3-3q)	0.5
cis-1,2-DCE	3.6 mg/Kg (DP-3-5q)	7.0

NOTES: 1) **Bolded** constituents exceed Type 1 RRS.

The August 2012 soil analytical results and soil RRSs are presented in **Table 2**. The August 2012 soil sample locations and extent of PCE detected in soil at depths less than 2 feet below ground surface (ft-bgs) and greater than 2 ft-bgs are shown in **Figure 5** and

Figure 6, respectively. The extent of TCE and cis-1,2-DCE in soil are not graphically displayed as the extent of their distribution is less than that of PCE.

Peachtree anticipates performing soil excavation within the area of impact. Soil confirmation samples will be collected from the excavation sidewalls as well as in locations outside the excavation where historic soil samples indicated constituent impacts over Type 1 RRS. The details of these proposed activities are discussed further in the Preliminary Remediation Plan (Section 4.0).

2.3.2 Regulated Substances in Groundwater

PCE is the only substance that has been detected in groundwater at the VRP Property above its Type 1 RRS. Historically, the maximum concentration of PCE detected at the VRP Property was 250 µg/L in groundwater collected from monitoring well PMW-1 (August 2012), with 6.0 µg/L in MW-11D (2013) as the only other concentration detected above the Type 1 RRS. The 2014 groundwater sampling results show PCE at a concentration below MDL in both PMW-1 and MW-11D. Concentrations of cis-1,2-DCE and PCE detected in the DUP sample from PMW-1 exceeded by a very small amount (1.1 µg/L) the Type 1 RRS in the case of PCE, but are not considered to be part of the primary data set.

Degradation products of PCE are generally not present in groundwater at the VRP Property. TCE and vinyl chloride have not been detected in groundwater samples. However, cis-1,2-DCE was detected in the groundwater sample collected from MW-11D at a concentration (17 µg/L) below the Type 1 RRS (70 µg/L) during the October 2013 groundwater monitoring event. Cis-1,2-DCE was reported at below MDL in PWM-1 during the 2014 monitoring event; however, 12 µg/L of cis-1,2-DCE was detected in the duplicate (DUP) sample collected from PMW-1. No other regulated substances were detected above the MDL in groundwater.

The extent of PCE and cis-1,2-DCE reported in groundwater during the October 2013 investigation is listed in Table 3. Neither PCE or cis-1,2-DCE show up in analytical results from the July 2014 sampling event, except for a concentration in the duplicate sample from PMW-1 of cis-1,2-DCE (12) below the Type 1 RRS of 70 µg/L and PCE (6,6 µg/L) just above the Type 1 RRS of 5 µg/L. PCE results of < 5 µg/L at all points sampled are shown in **Figure 6**.

2.4 EXPOSURE PATHWAYS

Figure 7 presents the key features of the VRP Property, including the location of cross section A-Aqand B-Bq **Figures 8** and **9** present the preliminary CSM via Cross-Sections A-Aqand B-Bq

The VRP Property is developed with two one-story buildings with concrete slabs currently utilized as an automobile repair facility and automobile window repair facility. The site has been utilized as an automobile repair facility dating back to 1988 and is anticipated to be used as such in the future. The adjacent properties are used for commercial (retail and restaurant) purposes.

Currently, direct exposure does not occur to contaminated soil because the VRP Property is covered by buildings and by asphalt parking areas, except for some small landscaped traffic islands along Washington Road and to the east. Regulated substances in soil may leach to groundwater, although the potential for leaching is greatly reduced by the concrete slab and asphalt soil covers. The concrete and asphalt covers also preclude erosion or runoff of the impacted soil by storm water, as well as incidental ingestion or inhalation of wind-borne soil particles.

There is no current exposure to regulated substances in groundwater. The VRP Property receives its potable water from the Columbia County Water Utility. Regulated substances in groundwater may migrate off site to surface water. The nearest surface water body to the VRP Property is Reed Creek approximately 0.5 miles to the west; however, delineation of impacted soil and groundwater does not indicate that regulated substances have migrated that distance.

PCE and cis-1,2-DCE are the only VOCs that have been detected in groundwater, with a maximum historical concentration of PCE of 250 µg/L. Subsequently, cis-1,2-DCE has been detected at concentrations below its Type 1 RRS. Using the US EPA Vapor Intrusion Screening Level (VISL) calculator and the historical PCE concentration of 250 µg/L, the carcinogenic risk associated with vapor intrusion of PCE into the buildings at the VRP Property is calculated to be 3.8×10^{-6} , which is less than Georgia EPD's 1×10^{-5} threshold. The non-carcinogenic Hazard Quotient is 1.0, equal to the Georgia EPD's threshold. Furthermore, the maximum concentration of PCE in VRP Property groundwater was below detection limits in the most recent sampling (July 2014). Therefore, although vapor intrusion is potentially a complete pathway, the risk associated with this pathway does not exceed acceptable levels.

2.6.1 Current Land Use

Current on-site receptors at the VRP Property potentially include site workers, customers, utility workers, construction workers, and trespassers. Currently, site workers, customers, and trespassers are not exposed to soil, as the property is covered by buildings and by asphalt parking areas, except for some small landscaped traffic islands along Washington Road. There is no on-going construction or utility work at the property requiring construction- or utility-worker receptors.

Groundwater exposure is not a current pathway because the VRP Property receives its potable water from the City. Off-site receptors in the area also receive their drinking water from the City. Direct contact to shallow groundwater is precluded by the on-site buildings and asphalt parking areas.

Current site workers and customers may be exposed to regulated substances by inhalation of vapors intruding into on-site buildings. However, the risk associated with potential vapor intrusion does not exceed Georgia EPD's thresholds. Therefore, although vapor intrusion is potentially a complete pathway, the risk associated with this pathway does not exceed acceptable levels.

2.6.2 Future Land Use

The VRP Property is likely to remain a commercial automobile repair facility or similar commercial operation in the future, and the current exposure pathways will remain the same. Future site workers, customers, and trespassers are not expected to be

exposed to soil, as the property will likely remain covered by buildings and by asphalt parking areas. However, if there is new construction or utility work in the future, construction- or utility-worker receptors may be exposed to soil.

The VRP Property and off-site receptors will likely continue to receive their potable water from the City in the future. Future off-site receptors in the area will also receive their drinking water from the City. However, it is understood that Georgia EPD considers all groundwater a potential future source of groundwater, so future exposure to groundwater by site workers, customers, utility workers, construction workers, and off-site receptors has been considered. Therefore, the complete exposure pathways for future land use are as follows:

- Soil Exposure . Future Construction Worker
- Soil Exposure . Future Utility Worker
- Groundwater Exposure . Future Site Workers
- Groundwater Exposure . Future Customers
- Groundwater Exposure . Future Utility Workers
- Groundwater Exposure . Future Off-Site Receptors

2.6.3 Ecological Receptors

Since the VRP Property is covered by buildings and by asphalt parking areas, there are no viable ecological habitats on the VRP Property. The soil covers prevent migratory species such as birds from coming into contact with impacted soil, and there is no surface water on the VRP Property.

The VRP Property is located in the Sand Hills ecoregion of the Southeastern Plains of Georgia (Georgia DNR, 2014), a narrow, rolling to hilly, highly dissected belt stretching across the state from Augusta to Columbus. Many of the droughty, low-nutrient soils of the Sand Hills formed in thick beds of sand, although soils in some areas contain more loamy and clayey horizons. On the drier sites, turkey oak and longleaf pine are dominant, while shortleaf-loblolly pine forests and other oak-pine forests are common throughout the region. However, other than the small landscaped traffic islands along Washington Road, there is no vegetation on the VRP Property.

Due to the lack of ecological habitats and lack of exposure of contaminated media to migratory species, there are no complete pathways for ecological receptors.

3.0 2014 SEMI-ANNUAL GROUNDWATER MONITORING ACTIVITIES

Peachtree completed the second semi-annual groundwater monitoring activities at the VRP Property in July 2014. These data were used for the preparation of appropriate new figures and tables depicting the delineation of impacted groundwater. Appropriate figures and tables from the First VRP Semi-annual Progress Report are also included.

Water level gauging and groundwater sampling activities were conducted on July 2, 2014. The monitoring well locations are depicted on **Figure 2**. A complete copy of the July 2014 groundwater analytical testing results is provided in **Appendix A**.

Groundwater monitoring wells were sampled to evaluate the extent and concentration of the existing groundwater plume. Peachtree collected groundwater samples from the eight on-site monitoring wells (MW-5D, MW-5DD, MW-10, MW-10D, MW-11D, MW-15, MW-15D, and PMW-1 with a duplicate sample from PMW-1 also included). A groundwater sample from each of the monitoring wells was analyzed for VOCs via EPA Method 8260B.

3.1 GROUNDWATER ELEVATION

Water level information from the October 2013 and July 2014 sampling events is summarized in **Table 1**. The water level data were used to calculate 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 of a foot. The well data were recorded on field logs which are included in the field notes in **Appendix B**. New on site water table elevation data were considered insufficient to modify groundwater flow assumptions from the First Semi-annual VRP Progress Report, as addressed in **Section 2.1.2.**

3.2 WELL PURGING

Well purging and sampling activities were conducted in general 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). Prior to sample collection, each of the wells was purged 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:

$$\text{Depth of well (feet)} - \text{Static water level (feet)} = \text{Column of water (feet)}$$

$$\text{Column of water (feet)} \times 0.17 \text{ gallons/foot} \times 3 = \text{Gallons of water to purge}$$

Purging was accomplished using a peristaltic pump equipped with disposable tubing. 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), and oxidation-reduction potential (ORP). The results of these measurements are presented on the field notes in **Appendix B**. The wells were purged of a

minimum of three well volumes, until field parameters stabilized, or until the wells were purged dry, whichever occurred first.

3.3 SAMPLING PROCEDURES

Groundwater sampling was conducted in general accordance with procedures outlined in SESD Operating Procedures for Groundwater Sampling (SESDPROC-301-R3, March 2013). 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 B**.

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

3.4 DECONTAMINATION PROCEDURES

Downhole and/or re-usable field monitoring and/or sampling equipment was decontaminated between monitoring/sampling locations in general accordance with the SESD Operating Procedures for Field Equipment and Decontamination (SESDPROC-205-R2, December 2011).

3.5 ANALYTICAL PROCEDURES

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

3.6 ANALYTICAL RESULTS

A summary of the previous (2013 and 2014) two groundwater analytical results and groundwater RRS are provided in **Table 3**. A copy of the July 2014 groundwater analytical testing results is provided in **Appendix A**.

Two VOCs (PCE and cis-1,2-DCE) were reported at concentrations not in excess of the laboratory reporting limit during the July 2014 sampling event.

- PCE was previously reported in groundwater from monitoring well PMW-1 at a concentration of 250 µg/L (August 2012); PCE was not detected in the sample in October 2013, and only detected in the Duplicate sample from PMW-1 at a concentration of 6.6 µg/L during July 2014. However, since the DUP sample is not considered part of the primary data set, PCE is considered to have achieved Type I RRS in this well.
- PCE was previously reported in groundwater from MW-11D at a concentration of 6.0 µg/L (August 2012) and was not reported above the detection limits (5 µg/L) during the 2014 sampling event. Groundwater at this sampling location has achieved the Type 1 RRS.
- cis-1,2-DCE was detected in groundwater from monitoring well PMW-1 at a concentration of 17µg/L (October 2013) and detected in the Duplicate sample collected

from PMW-1 at a concentration of 12 µg/L during this sampling event. Results over the past two sampling events are below the Type 1 RRs of 70 µg/L.

Horizontal Extent of Impacted Groundwater

Analytical results for the July 2014 groundwater sampling event are spatially depicted on **Figures 6**. The results show that concentrations of PCE are below detection limits at all locations.

Vertical Extent of Impacted Groundwater

The vertical extent of impacted groundwater has been defined at the VRP Property, based on the absence of VOCs in groundwater from deep monitoring well MW-5DD.

3.7 GROUNDWATER COMPLIANCE

Two HSRA-regulated substances have historically been detected in groundwater samples collected at the VRP Property. The regulated substances detected in groundwater and their respective Type 1 Risk Reduction Standards are provided below:

REGULATED CONSTITUENT	HIGHEST DETECTED CONCENTRATION (MONITORING WELL - DATE)	OCT 2013	JULY 2014	TYPE 1 RRS (µ/L)
PCE	250 ug/L (PMW-1 – 8/30/12)	6.0 µg/L (MW-11D)	< 5.0 µg/L	5.0
cis-1,2-DCE	17 ug/L (PMW-1 . 10/15/13)	17 µg/L (PMW-1)	< 5.0 µg/L	70

NOTES: 1) **Bolded** constituents exceed Type 1 RRS.

However, as indicated above, no HSRA-regulated substances were detected in groundwater above MDL in the July 2014 sampling event.

3.8 HORIZONTAL AND VERTICAL DELINEATION

Given the analytical results for groundwater in the July 2014 sampling event and the soil from the August 2012 sampling event, the site has been shown to be horizontally and vertically delineated for both soil and groundwater.

4.0 PRELIMINARY REMEDIATION PLAN

Types 1 through 4 RRS have been calculated for the substances detected in soil and in groundwater. These calculations were provided in Appendix C of the first Semi-annual Progress Report and are not repeated here. Although calculations have been provided for Types 2 through 4 RRS, the Applicant intends on remediating soil and groundwater to Type 1 RRS, unless technically impracticable.

PCE was historically detected in groundwater at the VRP Property in excess of the Type 1 RRS at PMW-1 and MW-11D. The July 2014 groundwater sampling demonstrated that both MW-11D and PMW-1 have currently achieved compliance with the Type 1 RRS.

Based on the August 2012 soil analytical results, Peachtree has determined that PCE on the VRP Property exceeds the Type 1 RRS in a small area with an approximate surface area of 30 ft. by 30 ft., and extends vertically to an approximate depth of 6 feet below ground surface.

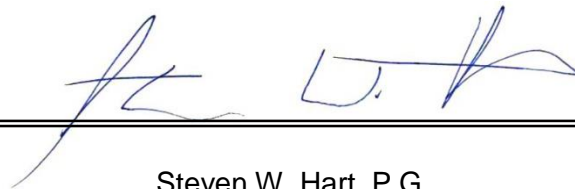
Peachtree proposes to excavate impacted soils in excess of applicable RRS. Excavated material will be placed directly into transportation vehicles (i.e., dump trucks or trailers) or a roll-off box for off-site disposal. As stated above, the current estimated extent of the excavation area is 30 ft. x 30 ft. x 6 ft.. Confirmation soil samples will be collected along the sidewalls at a frequency of one sample for every 20 linear feet of sidewall and at the bottom of the excavation, at an approximate frequency of one sample for every 500 square feet. The excavation will proceed further if post-excavation analytical testing results exceed the applicable RRS, with additional verification samples collected following over-excavation (i.e., any soils exceeding the appropriate RRS will be remediated). In the instance that excavation proceeds to the shallow, surficial water table, no further vertical excavation will occur. Currently, Peachtree estimates approximately 200 cubic yards (or 300 tons) of soil will be excavated from the VRP Property. The estimated area requiring excavation is illustrated on **Figure 10**.

At the successful conclusion of excavation and confirmation sampling, Peachtree will be preparing a final CSR for 5C.

A monthly summary of Professional Engineer/Geologist hours expended as part of the initial application and this semi-annual progress report is included as **Appendix C**.

5.0 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.+

A handwritten signature in blue ink, appearing to read 'S. W. Hart', is positioned above a horizontal line.

Steven W. Hart, P.G.
Georgia Registration No. 660

6.0 REFERENCES

Buie, B.F., 1978, The Huber Formation of Eastern Central Georgia, *in* Platt, P.A., ed., Short Contributions to the Geology of Georgia; Georgia Geological Survey Bulletin, no. 93, p. 1-7.

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Higgins, M.W., R.L. Atkins, T.J. Crawford, R.F. Crawford, R/H/ Brooks, and R.B. Cook, 1988, The Structure, Stratigraphy, Tectonostratigraphy, and Evolution of the Southernmost Part of the Appalachian Orogen; U.S. Geological Survey Professional Paper 1475

NRCS, 2014, Web Soil Survey; United States Department of Agriculture, Natural Resources Conservation Service (<http://websoilsurvey.nrcs.usda.gov/app/>)

USDA, 1981, Soil Survey of Columbia, McDuffie, and Warren Counties, Georgia; United States Department of Agriculture, Soil Conservation Service, in cooperation with The University of Georgia, College of Agriculture, Agricultural Experiment Stations



FIGURES



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



SITE
LOCATION

Scale: 1"= 1,800 ft.

0 900 1800 3600
APPROX. SCALE IN FEET



Peachtree
Environmental

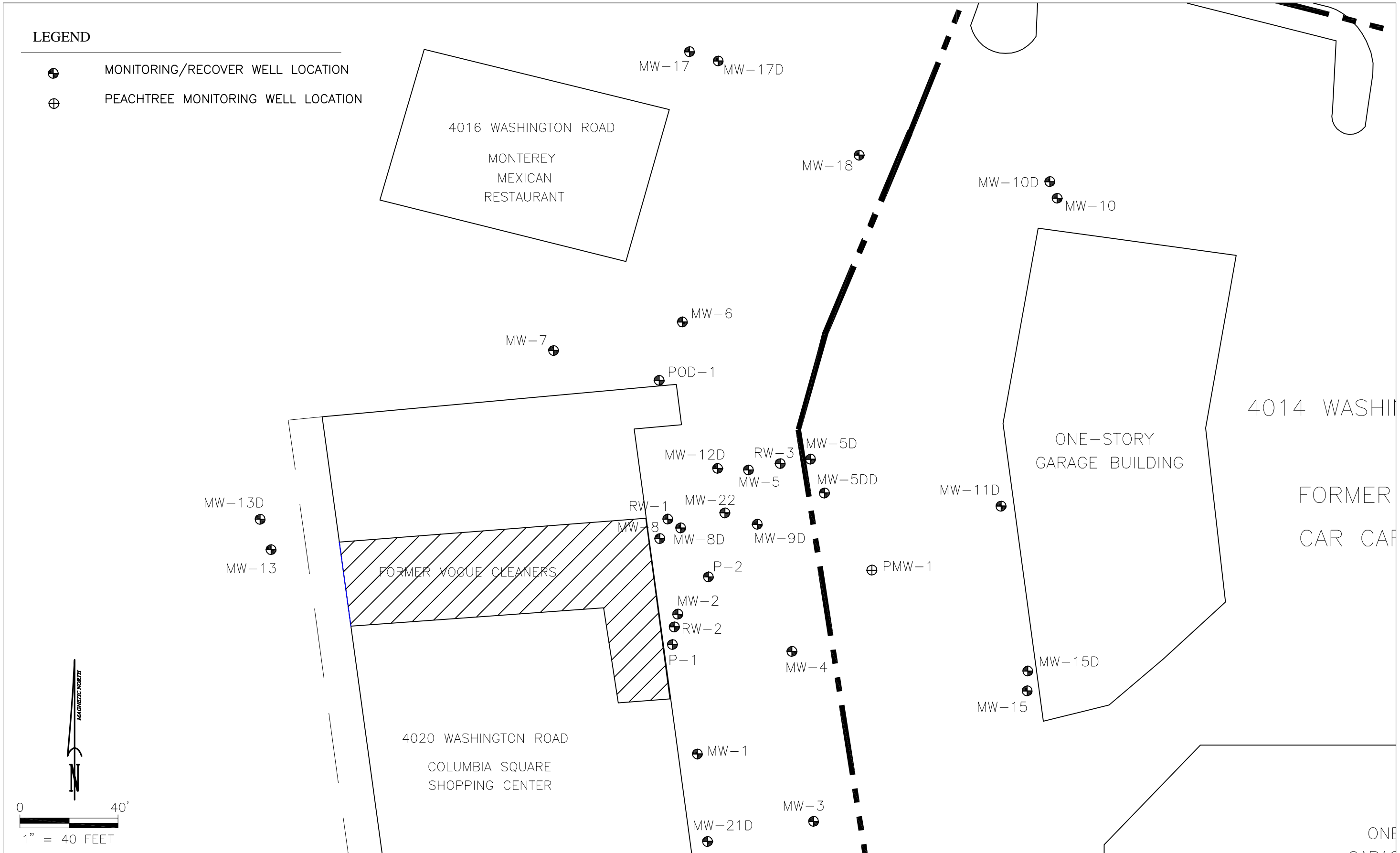
COLUMBIA COUNTY CAR CARE CENTER
MARTINEZ, COLUMBIA COUNTY, GEORGIA

FIGURE 1 SITE LOCATION/USGS TOPOGRAPHIC MAP

2nd SEMIANNUAL VRP PROGRESS REPORT

LEGEND

- ⊕ MONITORING/RECOVER WELL LOCATION
- ⊕ PEACHTREE MONITORING WELL LOCATION



NOTE: Scale is approximate

FIGURE NO.
2
CCCCC
3226

**FORMER COLUMBIA COUNTY CAR CARE CENTER
WASHINGTON ROAD
MARTINEZ, GEORGIA**

SAMPLE LOCATIONS



REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
1	8/26/14		MRH	GENESIS	JPM	CHM

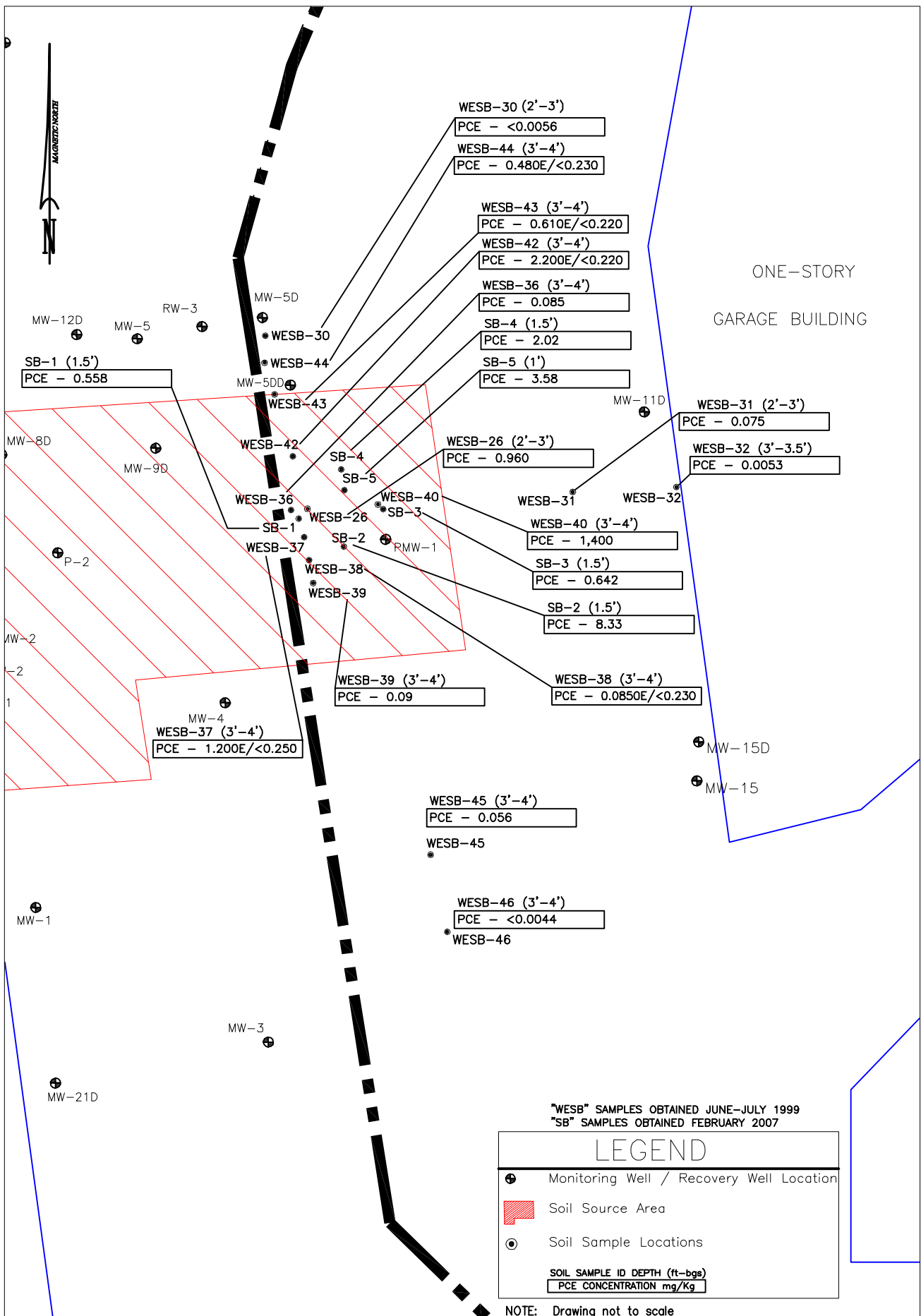
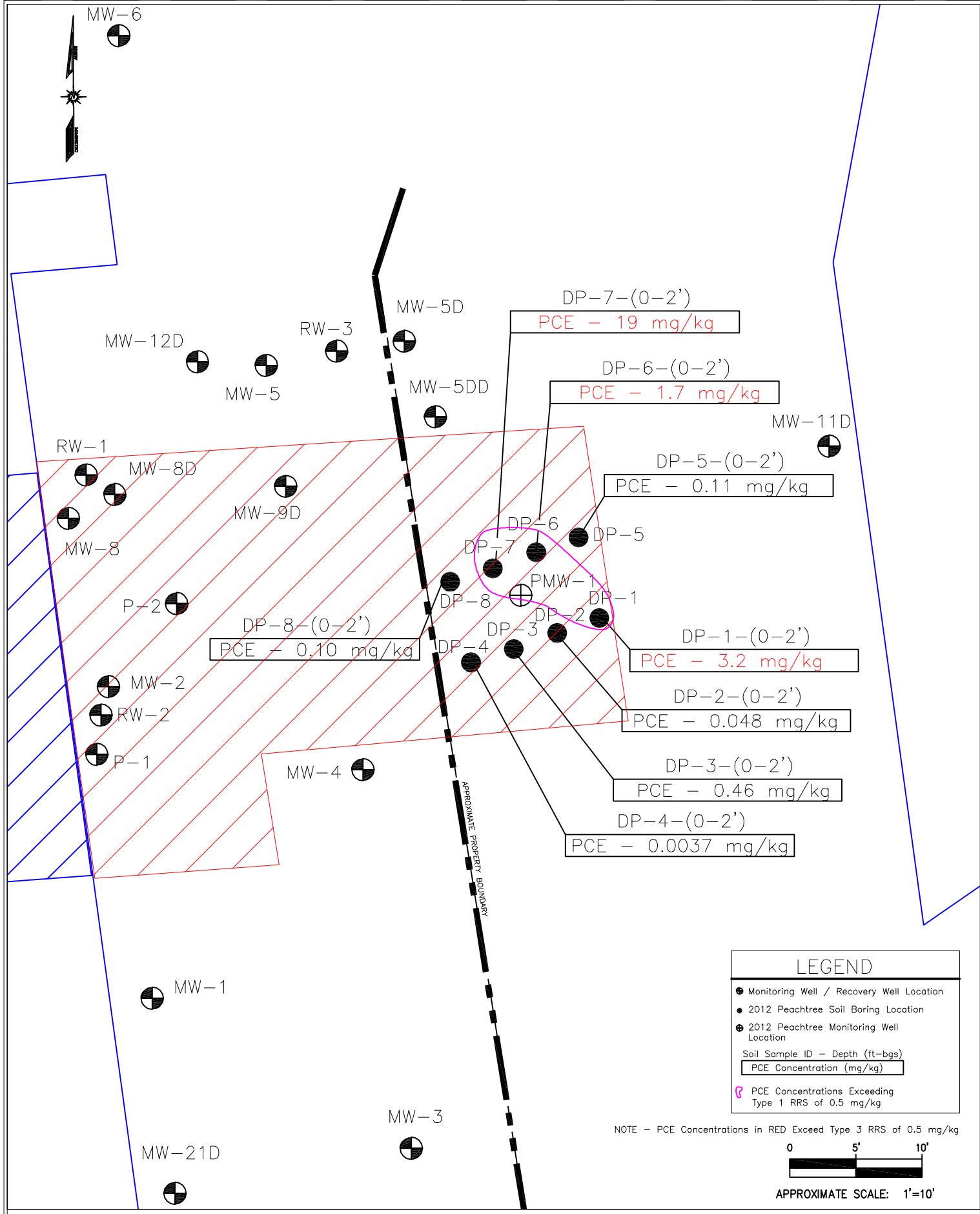


FIGURE NO.
3
CDDC
3226

FORMER COLUMBIA COUNTY CAR CARE CENTER
WASHINGTON ROAD
MARTINEZ, GEORGIA
SUSPECTED SOURCE AREA LOCATION MAP with
PCE CONCENTRATIONS



REV	DATE	DESCRIPTION	OWN BY	DES BY	CHK BY	APP BY
1	8/20/12	PC	CH	CH	CH	CH



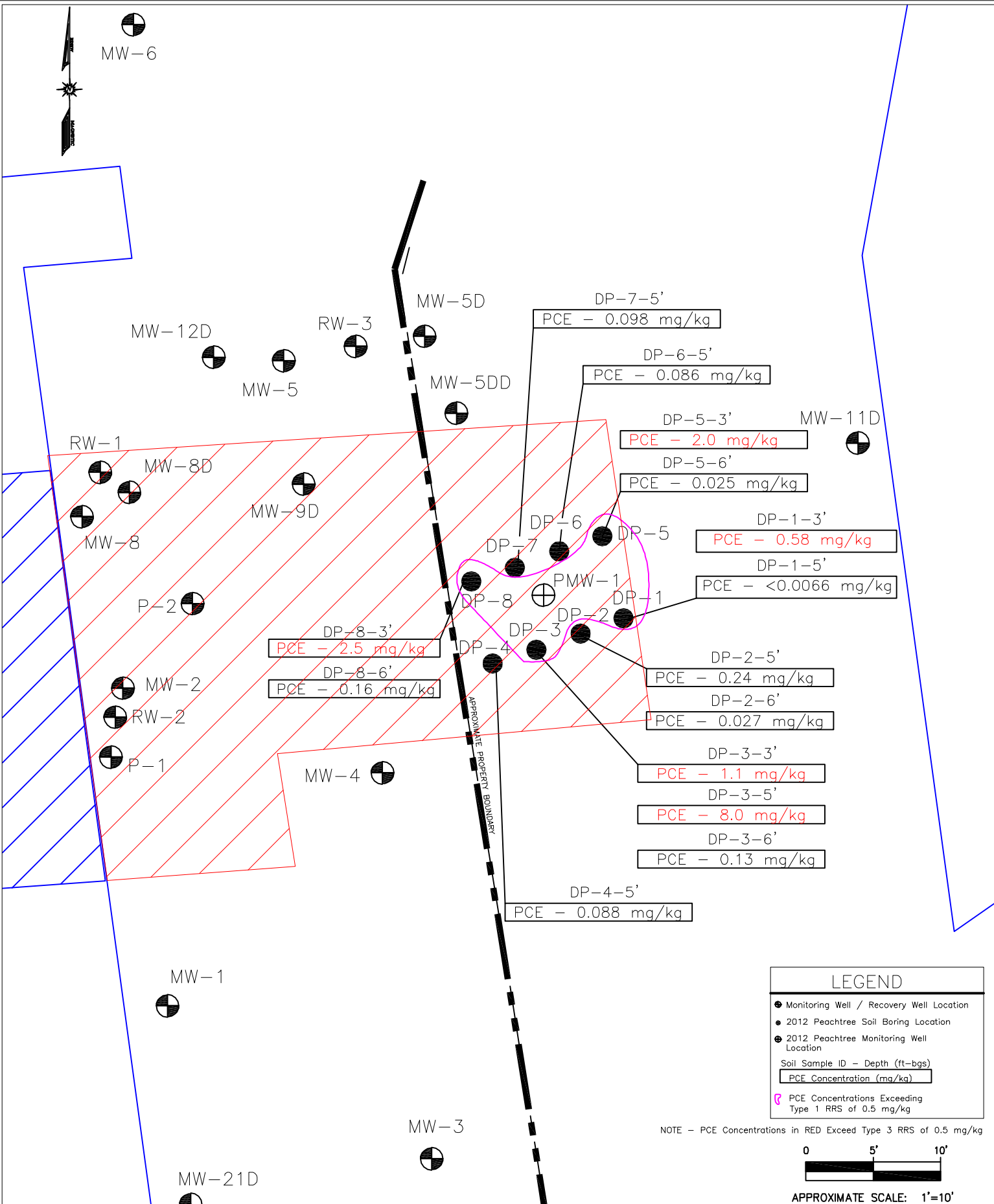


FIGURE NO.
5
CCCC
3226

**FORMER COLUMBIA COUNTY CAR CARE CENTER
WASHINGTON ROAD
MARTINEZ, GEORGIA**

**AUGUST 2012 SOIL ANALYTICAL RESULTS for
PCE - GREATER THAN 2 ft-bgs**



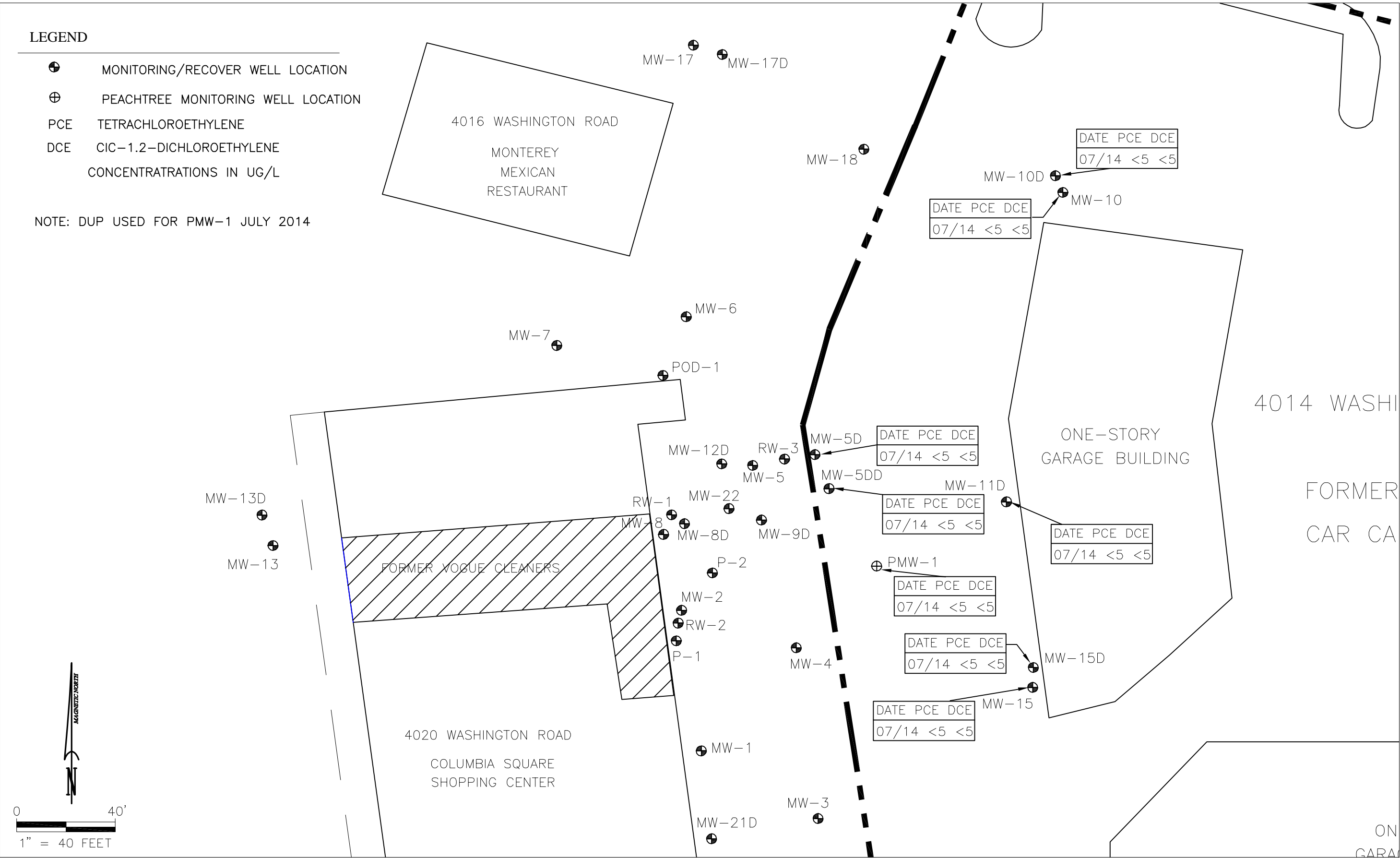
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
1	8/26/14		MRH	MRH	SWH	AJN

Map Source:

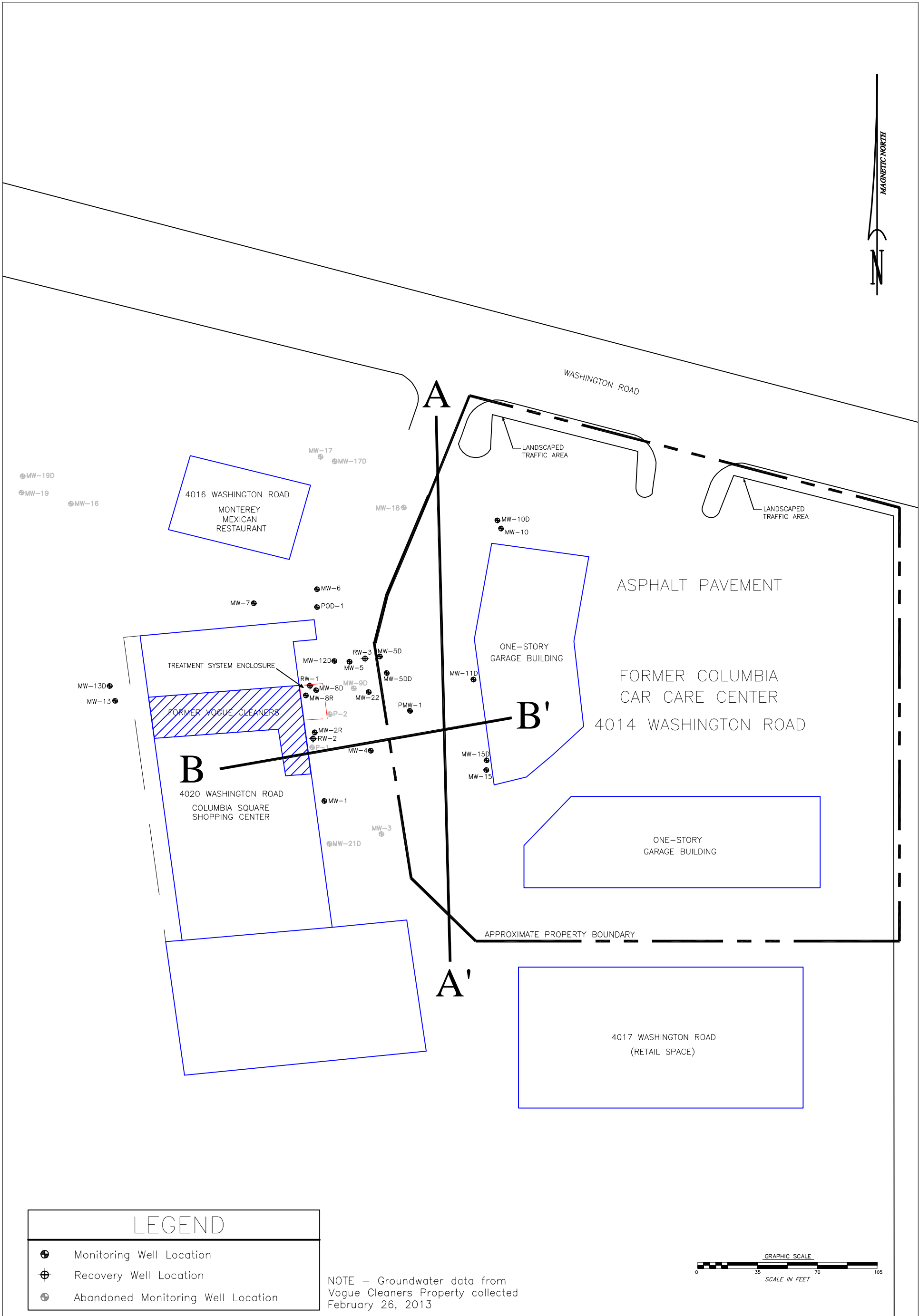
LEGEND

- ⊕ MONITORING/RECOVER WELL LOCATION
 - ⊕ PEACHTREE MONITORING WELL LOCATION
 - PCE TETRACHLOROETHYLENE
 - DCE CIC-1.2-DICHLOROETHYLENE
- CONCENTRATIONS IN UG/L

NOTE: DUP USED FOR PMW-1 JULY 2014



NOTE: Scale is approximate



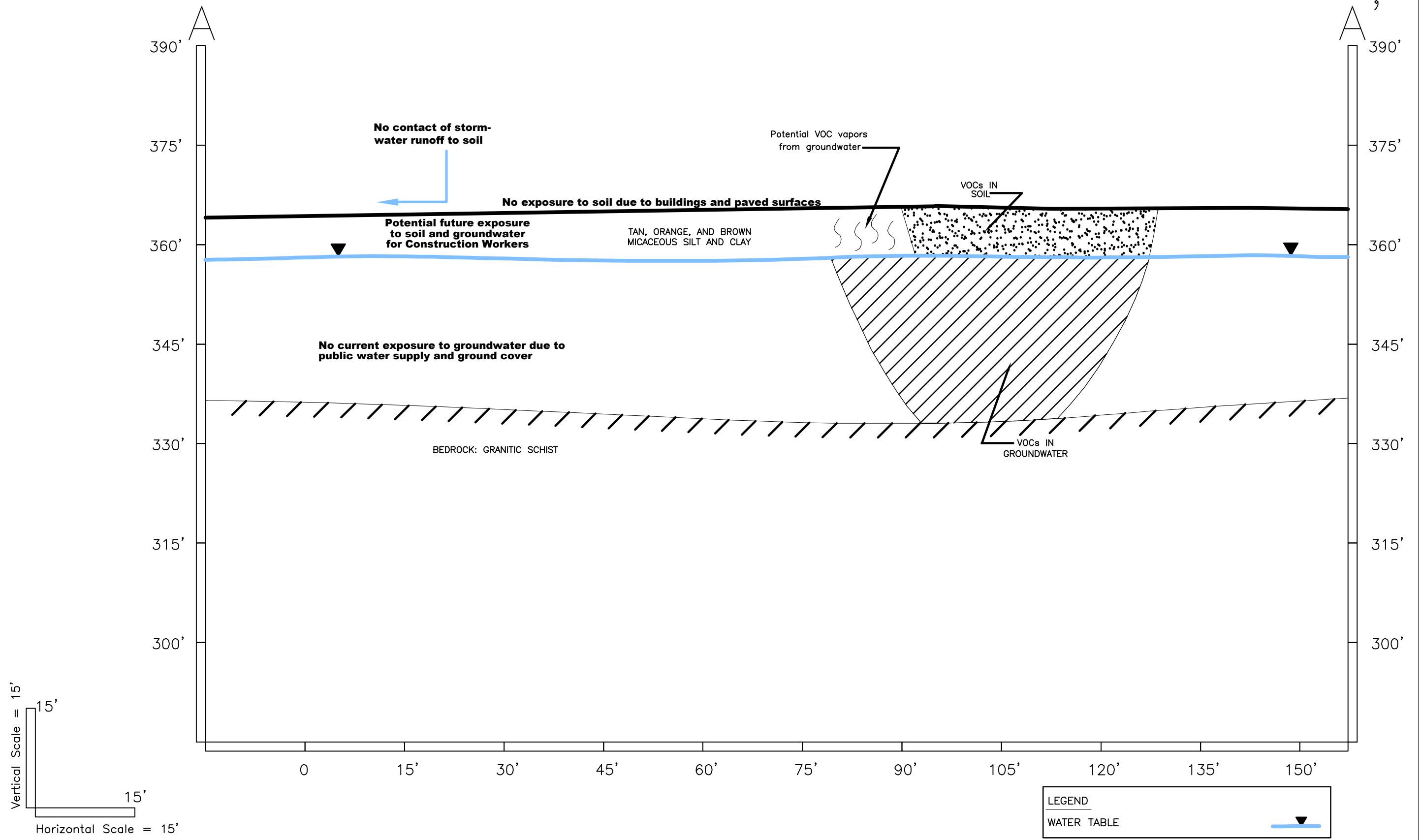


FIGURE NO. 8 CCCCC 3226	FORMER COLUMBIA COUNTY CAR CARE CENTER WASHINGTON ROAD MARTINEZ, GEORGIA CONCEPTUAL SITE MODEL CROSS SECTION A-A'	 Peachtree Environmental	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																																																									
<table><tr><th>REV</th><th>DATE</th><th>DESCRIPTION</th><th>DES BY</th><th>CHK BY</th><th>APP BY</th><th>DES BY</th><th>CHK BY</th><th>APP BY</th><th>DES BY</th><th>CHK BY</th><th>APP BY</th></tr><tr><td>1</td><td>12/26/15</td><td></td><td>MSH</td><td>MSH</td><td>JAN</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>												REV	DATE	DESCRIPTION	DES BY	CHK BY	APP BY	DES BY	CHK BY	APP BY	DES BY	CHK BY	APP BY	1	12/26/15		MSH	MSH	JAN																															
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1	12/26/15		MSH	MSH	JAN																																																							



TABLES

Columbia County Car Care Center
4014 Washington Road, Martinez, Georgia
HSI # 10394

TABLE 1
Summary of Water Level Measurements

Well I.D.	Date	Top of Casing Elevation (feet)	Total Well Depth (feet)	Depth to Groundwater (feet)	Water Level Elevation (feet)
MW-5D	10/15/13	365.66	36.60	7.41	358.25
	07/02/14			7.72	357.94
MW-5DD	10/15/13	365.70	76.51	1.72	363.98
	07/02/14			2.57	363.13
MW-10	10/15/13	NS	13.89	6.81	NS
	07/02/14			6.77	NS
MW-10D	10/15/13	364.37	28.04	6.06	358.31
	07/02/14			5.97	358.40
MW-11D	10/15/13	365.81	32.75	7.30	358.51
	07/02/14			7.51	358.30
MW-15	10/15/13	365.57	13.75	7.38	358.19
	07/02/14			7.37	358.20
MW-15D	10/15/13	365.54	28.79	7.00	358.54
	07/02/14			7.02	358.52
PMW-1	10/15/13	365.42	20.72	7.45	357.97
	07/02/14			7.62	357.80

NOTES:

1. Top of casing elevations based on survey data collected by Williams/Genesis
2. NS - Well not surveyed at time of water level measurement

Columbia County Car Care Center
4014 Washington Road, Martinez, Georgia
HSI # 10394

TABLE 2
August 2012 Soil Analytical Summary

SAMPLE DESIGNATION	TYPE 1 RRS	DP-1 (0-2')	DP-1-3'	DP-1-5'	DP-2 (0-2')	DP-2-5'	DP-2-6'	DP-3 (0-2')	DP-3-3'	DP-3-5'	DP-3-6'	DP-4 (0-2')	DP-4-5'	DP-5 (0-2')	DP-5-3'	DP-5-6'	DP-6 (0-2')	DP-6-5'	DP-7 (0-2')	DP-7-5'	DP-8 (0-2')	DP-8-3'	DP-8-6'
		8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012	8/30/2012
Volatile Organics (mg/kg)																							
1,1,1-Trichloroethane	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
1,1,2,2-Tetrachloroethane	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
1,1,2-Trichloroethane	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
1,1-Dichloroethane	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
1,1-Dichloroethene	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
1,2,4-Trichlorobenzene	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
1,2-Dibromo-3-chloropropane	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
1,2-Dibromoethane	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
1,2-Dichlorobenzene	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
1,2-Dichloroethane	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
1,2-Dichloropropane	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
1,3-Dichlorobenzene	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
1,4-Dichlorobenzene	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
2-Butanone	--	<0.063	<0.090	<0.066	<0.059	<0.030	<0.030	<0.14	<0.087	<0.11	<0.064	<0.029	<0.034	<0.077	<0.060	<0.088	<0.056	<0.085	<0.082	<0.085	<0.067	<0.063	<0.068
2-Hexanone	--	<0.013	<0.018	<0.013	<0.012	<0.0059	<0.0053	<0.027	<0.017	<0.023	<0.013	<0.0058	<0.0069	<0.015	<0.012	<0.018	<0.011	<0.017	<0.016	<0.017	<0.013	<0.013	<0.014
4-Methyl-2-pentanone	--	<0.013	<0.018	<0.013	<0.012	<0.0059	<0.0053	<0.027	<0.017	<0.023	<0.013	<0.0058	<0.0069	<0.015	<0.012	<0.018	<0.011	<0.017	<0.016	<0.017	<0.013	<0.013	<0.014
Acetone	--	<0.13	<0.18	<0.13	<0.12	<0.059	<0.053	<0.27	<0.17	<0.23	<0.13	<0.058	<0.069	<0.15	<0.12	<0.18	<0.11	<0.17	<0.16	<0.17	<0.13	<0.13	<0.14
Benzene	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Bromodichloromethane	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Bromoform	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Bromomethane	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Carbon disulfide	--	<0.013	<0.018	<0.013	<0.012	<0.0059	<0.0053	<0.027	<0.017	<0.023	<0.013	<0.0058	<0.0069	<0.015	<0.012	<0.018	<0.011	<0.017	<0.016	<0.017	<0.013	<0.013	<0.014
Carbon tetrachloride	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Chlorobenzene	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Chloroethane	--	<0.013	<0.018	<0.013	<0.012	<0.0059	<0.0053	<0.027	<0.017	<0.023	<0.013	<0.0058	<0.0069	<0.015	<0.012	<0.018	<0.011	<0.017	<0.016	<0.017	<0.013	<0.013	<0.014
Chloroform	--	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Chloromethane	--	<0.013	<0.018	<0.013	<0.012	<0.0059	<0.0053	<0.027	<0.017	<0.023	<0.013	<0.0058	<0.0069	<0.015	<0.012	<0.018	<0.011	<0.017	<0.016	<0.017	<0.013	<0.013	<0.014
cis-1,2-Dichloroethene	7.00	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	0.035	1.7	3.6	0.024	<0.0029	0.0084	0.012	0.052	<0.0088	<0.0056	0.010	0.0090	0.012	<0.0067	0.062	<0.0068
cis-1,3-Dichloropropene	-	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Cyclohexane	-	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Dibromochloromethane	-	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Dichlorodifluoromethane	-	<0.013	<0.018	<0.013	<0.012	<0.0059	<0.0053	<0.027	<0.017	<0.023	<0.013	<0.0058	<0.0069	<0.015	<0.012	<0.018	<0.011	<0.017	<0.016	<0.017	<0.013	<0.013	<0.014
Ethylbenzene	-	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Freon-113	-	<0.013	<0.018	<0.013	<0.012	<0.0059	<0.0053	<0.027	<0.017	<0.023	<0.013	<0.0058	<0.0069	<0.015	<0.012	<0.018	<0.011	<0.017	<0.016	<0.017	<0.013	<0.013	<0.014
Isopropylbenzene	-	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
m,p-Xylene	-	<0.013	<0.018	<0.013	<0.012	<0.0059	<0.0053	<0.027	<0.017	<0.023	<0.013	<0.0058	<0.0069	<0.015	<0.012	<0.018	<0.011	<0.017	<0.016	<0.017	<0.013	<0.013	<0.014
Methyl acetate	-	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Methyl tert-butyl ether	-	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Methylcyclohexane	-	<0.0063	<0.0090	<0.0066	<0.0059	<0.0030	<0.0026	<0.014	<0.0087	<0.011	<0.0064	<0.0029	<0.0034	<0.0077	<0.0060	<0.0088	<0.0056	<0.0085	<0.0082	<0.0085	<0.0067	<0.0063	<0.0068
Methylene chloride	-	<0.0063</																					

NOTES:

Bolded numbers denote concentrations above laboratory detection limits

Bolded and bracketed numbers denote concentrations above Type 1 RRS

Columbia County Car Care Center
4014 Washington Road, Martinez, Georgia
HSI # 10394

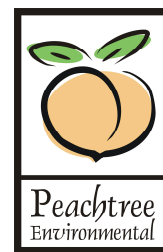
TABLE 3
Groundwater Analytical Summary Table

SAMPLE DESIGNATION	SAMPLE DATE	Volatile Organics (µg/L)	
		cis-1,2-DCE	PCE
MW- 5D	10/15/2013	<5.0	<5.0
	7/2/2014	<5.0	<5.0
MW- 5DD	10/15/2013	<5.0	<5.0
	7/2/2014	<5.0	<5.0
MW-10	10/15/2013	<5.0	<5.0
	7/2/2014	<5.0	<5.0
MW-10D	10/15/2013	<5.0	<5.0
	7/2/2014	<5.0	<5.0
MW-11D	10/15/2013	<5.0	6.0
	7/2/2014	<5.0	<5.0
MW-15	10/15/2013	<5.0	<5.0
	7/2/2014	<5.0	<5.0
MW-15D	10/15/2013	<5.0	<5.0
	7/2/2014	<5.0	<5.0
PMW-1	10/15/2013	17	<5.0
	7/2/2014	<5.0*	<5.0*
DUP*	10/15/2013	<5.0	<5.0
	7/2/2014	12	6.6
TYPE 1 RSS		70	5

PCE = Tetrachloroethene

cis, 1-2-DCE = cis-1,2-Dichloroethene

*Dup sample collected from PMW-1



APPENDIX A

JULY 2014 GROUNDWATER LABORATORY REPORTS



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 10, 2014

Anthony Nievera
Peachtree Environmental
3000 Northwoods Pkwy
Norcross GA 30071

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

RE: Columbia Co Car Care Center

Dear Anthony Nievera:

Order No: 1407376

Analytical Environmental Services, Inc. received 10 samples on 7/3/2014 2:00:00 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 07/01/14-06/30/15.
- AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, 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

3080 Presidential Drive, Atlanta GA 30340-3704

TEL: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1407376

Date: 7/3/14 Page 1 of 1

COMPANY:		ADDRESS:		SAMPLED		COMPOSITE		MATRIX		ANALYSIS REQUESTED		REMARKS		No # of Containers	
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix	Grab	Composite	Matrix	ANALYSIS REQUESTED	REMARKS	No # of Containers			
1	MW-10	7/2/14	0925	X		GW						2			
2	MW-10D	7/2/14	1010	X		GW						2			
3	MW-5DD	7/2/14	1500	X		GW						2			
4	MW-11D	7/2/14	1615	X		GW						2			
5	PMW-1	7/2/14	1715	X		GW						2			
6	MW-15	7/3/14	0800	X		GW						2			
7	MW-15D	7/3/14	0920	X		GW						2			
8	MW-5D	7/3/14	1045	X		GW						2			
9	Dup			X		GW						2			
10															
11															
12															
13															
14															
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME				PROJECT INFORMATION		RECEIPT			
AES R & L Labs 7/3/14 1400				Cotage R 7/3/14 2p-						PROJECT NAME: Columbia Co. Car Care		Total # of Containers 18			
2:				2:						PROJECT # 3226					
3:				3:						SITE ADDRESS: 4014 Washington Rd, Martinez GA		Turnaround Time Request			
										SEND REPORT TO: Steven Hart		Standard 5 Business Days			
										INVOICE TO: (IF DIFFERENT FROM ABOVE)		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			
												PO#:			
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD											
				OUT / / VIA:											
				IN / / VIA:											
				CLIENT INDEX 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.															
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+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S/M+1 = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None															

White Copy - Original, Yellow Copy - Client

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-001

Client Sample ID: MW-10
Collection Date: 7/2/2014 9:25:00 AM
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	193322	1	07/07/2014 15:21	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
1,1-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
1,1-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
1,2-Dibromoethane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
1,2-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
1,2-Dichloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
2-Butanone	BRL	50		ug/L	193322	1	07/07/2014 15:21	GK
2-Hexanone	BRL	10		ug/L	193322	1	07/07/2014 15:21	GK
4-Methyl-2-pentanone	BRL	10		ug/L	193322	1	07/07/2014 15:21	GK
Acetone	BRL	50		ug/L	193322	1	07/07/2014 15:21	GK
Benzene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Bromodichloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Bromoform	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Bromomethane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Carbon disulfide	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Carbon tetrachloride	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Chlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Chloroethane	BRL	10		ug/L	193322	1	07/07/2014 15:21	GK
Chloroform	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Chloromethane	BRL	10		ug/L	193322	1	07/07/2014 15:21	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Cyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Dibromochloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Dichlorodifluoromethane	BRL	10		ug/L	193322	1	07/07/2014 15:21	GK
Ethylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Freon-113	BRL	10		ug/L	193322	1	07/07/2014 15:21	GK
Isopropylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
m,p-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Methyl acetate	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Methylcyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Methylene chloride	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
o-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 10-Jul-14

Client: Peachtree Environmental
 Project Name: Columbia Co Car Care Center
 Lab ID: 1407376-001

Client Sample ID: MW-10
 Collection Date: 7/2/2014 9:25:00 AM
 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	193322	1	07/07/2014 15:21	GK
Tetrachloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Toluene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Trichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Trichlorofluoromethane	BRL	5.0		ug/L	193322	1	07/07/2014 15:21	GK
Vinyl chloride	BRL	2.0		ug/L	193322	1	07/07/2014 15:21	GK
Surr: 4-Bromofluorobenzene	91.7	66.2-120		%REC	193322	1	07/07/2014 15:21	GK
Surr: Dibromofluoromethane	97	79.5-121		%REC	193322	1	07/07/2014 15:21	GK
Surr: Toluene-d8	98.7	77-117		%REC	193322	1	07/07/2014 15:21	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-002

Client Sample ID: MW-10D
Collection Date: 7/2/2014 10:10:00 AM
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	193322	1	07/07/2014 16:44	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
1,1-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
1,1-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
1,2-Dibromoethane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
1,2-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
1,2-Dichloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
2-Butanone	BRL	50		ug/L	193322	1	07/07/2014 16:44	GK
2-Hexanone	BRL	10		ug/L	193322	1	07/07/2014 16:44	GK
4-Methyl-2-pentanone	BRL	10		ug/L	193322	1	07/07/2014 16:44	GK
Acetone	BRL	50		ug/L	193322	1	07/07/2014 16:44	GK
Benzene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Bromodichloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Bromoform	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Bromomethane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Carbon disulfide	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Carbon tetrachloride	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Chlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Chloroethane	BRL	10		ug/L	193322	1	07/07/2014 16:44	GK
Chloroform	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Chloromethane	BRL	10		ug/L	193322	1	07/07/2014 16:44	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Cyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Dibromochloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Dichlorodifluoromethane	BRL	10		ug/L	193322	1	07/07/2014 16:44	GK
Ethylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Freon-113	BRL	10		ug/L	193322	1	07/07/2014 16:44	GK
Isopropylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
m,p-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Methyl acetate	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Methylcyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Methylene chloride	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
o-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
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 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client:	Peachtree Environmental	Client Sample ID:	MW-10D
Project Name:	Columbia Co Car Care Center	Collection Date:	7/2/2014 10:10:00 AM
Lab ID:	1407376-002	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	193322	1	07/07/2014 16:44	GK
Tetrachloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Toluene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Trichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Trichlorofluoromethane	BRL	5.0		ug/L	193322	1	07/07/2014 16:44	GK
Vinyl chloride	BRL	2.0		ug/L	193322	1	07/07/2014 16:44	GK
Surr: 4-Bromofluorobenzene	95	66.2-120		%REC	193322	1	07/07/2014 16:44	GK
Surr: Dibromofluoromethane	96.9	79.5-121		%REC	193322	1	07/07/2014 16:44	GK
Surr: Toluene-d8	100	77-117		%REC	193322	1	07/07/2014 16:44	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-003

Client Sample ID: MW-5DD
Collection Date: 7/2/2014 3:00:00 PM
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	193322	1	07/07/2014 17:12	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
1,1-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
1,1-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
1,2-Dibromoethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
1,2-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
1,2-Dichloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
2-Butanone	BRL	50		ug/L	193322	1	07/07/2014 17:12	GK
2-Hexanone	BRL	10		ug/L	193322	1	07/07/2014 17:12	GK
4-Methyl-2-pentanone	BRL	10		ug/L	193322	1	07/07/2014 17:12	GK
Acetone	BRL	50		ug/L	193322	1	07/07/2014 17:12	GK
Benzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Bromodichloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Bromoform	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Bromomethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Carbon disulfide	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Carbon tetrachloride	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Chlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Chloroethane	BRL	10		ug/L	193322	1	07/07/2014 17:12	GK
Chloroform	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Chloromethane	BRL	10		ug/L	193322	1	07/07/2014 17:12	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Cyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Dibromochloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Dichlorodifluoromethane	BRL	10		ug/L	193322	1	07/07/2014 17:12	GK
Ethylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Freon-113	BRL	10		ug/L	193322	1	07/07/2014 17:12	GK
Isopropylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
m,p-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Methyl acetate	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Methylcyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Methylene chloride	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
o-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client: Peachtree Environmental	Client Sample ID: MW-5DD
Project Name: Columbia Co Car Care Center	Collection Date: 7/2/2014 3:00:00 PM
Lab ID: 1407376-003	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	193322	1	07/07/2014 17:12	GK
Tetrachloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Toluene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Trichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Trichlorofluoromethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:12	GK
Vinyl chloride	BRL	2.0		ug/L	193322	1	07/07/2014 17:12	GK
Surr: 4-Bromofluorobenzene	90.7	66.2-120		%REC	193322	1	07/07/2014 17:12	GK
Surr: Dibromofluoromethane	97.2	79.5-121		%REC	193322	1	07/07/2014 17:12	GK
Surr: Toluene-d8	99.6	77-117		%REC	193322	1	07/07/2014 17:12	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-004

Client Sample ID: MW-11D
Collection Date: 7/2/2014 4:15:00 PM
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	193322	1	07/07/2014 17:40	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
1,1-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
1,1-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
1,2-Dibromoethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
1,2-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
1,2-Dichloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
2-Butanone	BRL	50		ug/L	193322	1	07/07/2014 17:40	GK
2-Hexanone	BRL	10		ug/L	193322	1	07/07/2014 17:40	GK
4-Methyl-2-pentanone	BRL	10		ug/L	193322	1	07/07/2014 17:40	GK
Acetone	BRL	50		ug/L	193322	1	07/07/2014 17:40	GK
Benzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Bromodichloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Bromoform	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Bromomethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Carbon disulfide	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Carbon tetrachloride	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Chlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Chloroethane	BRL	10		ug/L	193322	1	07/07/2014 17:40	GK
Chloroform	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Chloromethane	BRL	10		ug/L	193322	1	07/07/2014 17:40	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Cyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Dibromochloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Dichlorodifluoromethane	BRL	10		ug/L	193322	1	07/07/2014 17:40	GK
Ethylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Freon-113	BRL	10		ug/L	193322	1	07/07/2014 17:40	GK
Isopropylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
m,p-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Methyl acetate	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Methylcyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Methylene chloride	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
o-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-004

Client Sample ID: MW-11D
Collection Date: 7/2/2014 4:15:00 PM
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	193322	1	07/07/2014 17:40	GK
Tetrachloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Toluene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Trichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Trichlorofluoromethane	BRL	5.0		ug/L	193322	1	07/07/2014 17:40	GK
Vinyl chloride	BRL	2.0		ug/L	193322	1	07/07/2014 17:40	GK
Surr: 4-Bromofluorobenzene	91.4	66.2-120		%REC	193322	1	07/07/2014 17:40	GK
Surr: Dibromofluoromethane	95.4	79.5-121		%REC	193322	1	07/07/2014 17:40	GK
Surr: Toluene-d8	100	77-117		%REC	193322	1	07/07/2014 17:40	GK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-005

Client Sample ID: PMW-1
Collection Date: 7/2/2014 5:15:00 PM
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	193322	1	07/07/2014 18:07	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
1,1-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
1,1-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
1,2-Dibromoethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
1,2-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
1,2-Dichloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
2-Butanone	BRL	50		ug/L	193322	1	07/07/2014 18:07	GK
2-Hexanone	BRL	10		ug/L	193322	1	07/07/2014 18:07	GK
4-Methyl-2-pentanone	BRL	10		ug/L	193322	1	07/07/2014 18:07	GK
Acetone	BRL	50		ug/L	193322	1	07/07/2014 18:07	GK
Benzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Bromodichloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Bromoform	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Bromomethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Carbon disulfide	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Carbon tetrachloride	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Chlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Chloroethane	BRL	10		ug/L	193322	1	07/07/2014 18:07	GK
Chloroform	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Chloromethane	BRL	10		ug/L	193322	1	07/07/2014 18:07	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Cyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Dibromochloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Dichlorodifluoromethane	BRL	10		ug/L	193322	1	07/07/2014 18:07	GK
Ethylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Freon-113	BRL	10		ug/L	193322	1	07/07/2014 18:07	GK
Isopropylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
m,p-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Methyl acetate	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Methylcyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Methylene chloride	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
o-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-005

Client Sample ID: PMW-1
Collection Date: 7/2/2014 5:15:00 PM
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	193322	1	07/07/2014 18:07	GK
Tetrachloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Toluene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Trichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Trichlorofluoromethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:07	GK
Vinyl chloride	BRL	2.0		ug/L	193322	1	07/07/2014 18:07	GK
Surr: 4-Bromofluorobenzene	92.7	66.2-120		%REC	193322	1	07/07/2014 18:07	GK
Surr: Dibromofluoromethane	98.9	79.5-121		%REC	193322	1	07/07/2014 18:07	GK
Surr: Toluene-d8	99.7	77-117		%REC	193322	1	07/07/2014 18:07	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-006

Client Sample ID: MW-15
Collection Date: 7/3/2014 8:00:00 AM
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	193322	1	07/07/2014 18:34	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
1,1-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
1,1-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
1,2-Dibromoethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
1,2-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
1,2-Dichloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
2-Butanone	BRL	50		ug/L	193322	1	07/07/2014 18:34	GK
2-Hexanone	BRL	10		ug/L	193322	1	07/07/2014 18:34	GK
4-Methyl-2-pentanone	BRL	10		ug/L	193322	1	07/07/2014 18:34	GK
Acetone	BRL	50		ug/L	193322	1	07/07/2014 18:34	GK
Benzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Bromodichloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Bromoform	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Bromomethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Carbon disulfide	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Carbon tetrachloride	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Chlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Chloroethane	BRL	10		ug/L	193322	1	07/07/2014 18:34	GK
Chloroform	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Chloromethane	BRL	10		ug/L	193322	1	07/07/2014 18:34	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Cyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Dibromochloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Dichlorodifluoromethane	BRL	10		ug/L	193322	1	07/07/2014 18:34	GK
Ethylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Freon-113	BRL	10		ug/L	193322	1	07/07/2014 18:34	GK
Isopropylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
m,p-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Methyl acetate	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Methylcyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Methylene chloride	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
o-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-006

Client Sample ID: MW-15
Collection Date: 7/3/2014 8:00:00 AM
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	193322	1	07/07/2014 18:34	GK
Tetrachloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Toluene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Trichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Trichlorofluoromethane	BRL	5.0		ug/L	193322	1	07/07/2014 18:34	GK
Vinyl chloride	BRL	2.0		ug/L	193322	1	07/07/2014 18:34	GK
Surr: 4-Bromofluorobenzene	93.4	66.2-120		%REC	193322	1	07/07/2014 18:34	GK
Surr: Dibromofluoromethane	99.5	79.5-121		%REC	193322	1	07/07/2014 18:34	GK
Surr: Toluene-d8	98.8	77-117		%REC	193322	1	07/07/2014 18:34	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-007

Client Sample ID: MW-15D
Collection Date: 7/3/2014 9:20:00 AM
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	193322	1	07/07/2014 19:02	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
1,1-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
1,1-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
1,2-Dibromoethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
1,2-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
1,2-Dichloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
2-Butanone	BRL	50		ug/L	193322	1	07/07/2014 19:02	GK
2-Hexanone	BRL	10		ug/L	193322	1	07/07/2014 19:02	GK
4-Methyl-2-pentanone	BRL	10		ug/L	193322	1	07/07/2014 19:02	GK
Acetone	BRL	50		ug/L	193322	1	07/07/2014 19:02	GK
Benzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Bromodichloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Bromoform	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Bromomethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Carbon disulfide	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Carbon tetrachloride	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Chlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Chloroethane	BRL	10		ug/L	193322	1	07/07/2014 19:02	GK
Chloroform	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Chloromethane	BRL	10		ug/L	193322	1	07/07/2014 19:02	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Cyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Dibromochloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Dichlorodifluoromethane	BRL	10		ug/L	193322	1	07/07/2014 19:02	GK
Ethylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Freon-113	BRL	10		ug/L	193322	1	07/07/2014 19:02	GK
Isopropylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
m,p-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Methyl acetate	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Methylcyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Methylene chloride	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
o-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 10-Jul-14

Client: Peachtree Environmental
 Project Name: Columbia Co Car Care Center
 Lab ID: 1407376-007

Client Sample ID: MW-15D
 Collection Date: 7/3/2014 9:20:00 AM
 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	193322	1	07/07/2014 19:02	GK
Tetrachloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Toluene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Trichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Trichlorofluoromethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:02	GK
Vinyl chloride	BRL	2.0		ug/L	193322	1	07/07/2014 19:02	GK
Surr: 4-Bromofluorobenzene	90.6	66.2-120		%REC	193322	1	07/07/2014 19:02	GK
Surr: Dibromofluoromethane	96.5	79.5-121		%REC	193322	1	07/07/2014 19:02	GK
Surr: Toluene-d8	101	77-117		%REC	193322	1	07/07/2014 19:02	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-008

Client Sample ID: MW-5D
Collection Date: 7/3/2014 10:45:00 AM
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	193322	1	07/07/2014 19:29	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
1,1-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
1,1-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
1,2-Dibromoethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
1,2-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
1,2-Dichloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
2-Butanone	BRL	50		ug/L	193322	1	07/07/2014 19:29	GK
2-Hexanone	BRL	10		ug/L	193322	1	07/07/2014 19:29	GK
4-Methyl-2-pentanone	BRL	10		ug/L	193322	1	07/07/2014 19:29	GK
Acetone	BRL	50		ug/L	193322	1	07/07/2014 19:29	GK
Benzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Bromodichloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Bromoform	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Bromomethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Carbon disulfide	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Carbon tetrachloride	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Chlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Chloroethane	BRL	10		ug/L	193322	1	07/07/2014 19:29	GK
Chloroform	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Chloromethane	BRL	10		ug/L	193322	1	07/07/2014 19:29	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Cyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Dibromochloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Dichlorodifluoromethane	BRL	10		ug/L	193322	1	07/07/2014 19:29	GK
Ethylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Freon-113	BRL	10		ug/L	193322	1	07/07/2014 19:29	GK
Isopropylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
m,p-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Methyl acetate	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Methylcyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Methylene chloride	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
o-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 10-Jul-14

Client: Peachtree Environmental
 Project Name: Columbia Co Car Care Center
 Lab ID: 1407376-008

Client Sample ID: MW-5D
 Collection Date: 7/3/2014 10:45:00 AM
 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	193322	1	07/07/2014 19:29	GK
Tetrachloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Toluene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Trichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Trichlorofluoromethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:29	GK
Vinyl chloride	BRL	2.0		ug/L	193322	1	07/07/2014 19:29	GK
Surr: 4-Bromofluorobenzene	92.9	66.2-120		%REC	193322	1	07/07/2014 19:29	GK
Surr: Dibromofluoromethane	97.7	79.5-121		%REC	193322	1	07/07/2014 19:29	GK
Surr: Toluene-d8	97.9	77-117		%REC	193322	1	07/07/2014 19:29	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-009

Client Sample ID: DUP
Collection Date: 7/3/2014
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	193322	1	07/07/2014 19:57	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
1,1-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
1,1-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
1,2-Dibromoethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
1,2-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
1,2-Dichloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
2-Butanone	BRL	50		ug/L	193322	1	07/07/2014 19:57	GK
2-Hexanone	BRL	10		ug/L	193322	1	07/07/2014 19:57	GK
4-Methyl-2-pentanone	BRL	10		ug/L	193322	1	07/07/2014 19:57	GK
Acetone	BRL	50		ug/L	193322	1	07/07/2014 19:57	GK
Benzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Bromodichloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Bromoform	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Bromomethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Carbon disulfide	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Carbon tetrachloride	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Chlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Chloroethane	BRL	10		ug/L	193322	1	07/07/2014 19:57	GK
Chloroform	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Chloromethane	BRL	10		ug/L	193322	1	07/07/2014 19:57	GK
cis-1,2-Dichloroethene	12	5.0		ug/L	193322	1	07/07/2014 19:57	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Cyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Dibromochloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Dichlorodifluoromethane	BRL	10		ug/L	193322	1	07/07/2014 19:57	GK
Ethylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Freon-113	BRL	10		ug/L	193322	1	07/07/2014 19:57	GK
Isopropylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
m,p-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Methyl acetate	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Methylcyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Methylene chloride	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
o-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 10-Jul-14

Client: Peachtree Environmental
 Project Name: Columbia Co Car Care Center
 Lab ID: 1407376-009

Client Sample ID: DUP
 Collection Date: 7/3/2014
 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	193322	1	07/07/2014 19:57	GK
Tetrachloroethene	6.6	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Toluene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Trichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Trichlorofluoromethane	BRL	5.0		ug/L	193322	1	07/07/2014 19:57	GK
Vinyl chloride	BRL	2.0		ug/L	193322	1	07/07/2014 19:57	GK
Surr: 4-Bromofluorobenzene	91.6	66.2-120		%REC	193322	1	07/07/2014 19:57	GK
Surr: Dibromofluoromethane	97.4	79.5-121		%REC	193322	1	07/07/2014 19:57	GK
Surr: Toluene-d8	99.2	77-117		%REC	193322	1	07/07/2014 19:57	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 10-Jul-14

Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Lab ID: 1407376-010

Client Sample ID: TRIP BLANK
Collection Date: 7/3/2014
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	193322	1	07/07/2014 20:24	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
1,1-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
1,1-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
1,2-Dibromoethane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
1,2-Dichloroethane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
1,2-Dichloropropane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
2-Butanone	BRL	50		ug/L	193322	1	07/07/2014 20:24	GK
2-Hexanone	BRL	10		ug/L	193322	1	07/07/2014 20:24	GK
4-Methyl-2-pentanone	BRL	10		ug/L	193322	1	07/07/2014 20:24	GK
Acetone	BRL	50		ug/L	193322	1	07/07/2014 20:24	GK
Benzene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Bromodichloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Bromoform	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Bromomethane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Carbon disulfide	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Carbon tetrachloride	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Chlorobenzene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Chloroethane	BRL	10		ug/L	193322	1	07/07/2014 20:24	GK
Chloroform	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Chloromethane	BRL	10		ug/L	193322	1	07/07/2014 20:24	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Cyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Dibromochloromethane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Dichlorodifluoromethane	BRL	10		ug/L	193322	1	07/07/2014 20:24	GK
Ethylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Freon-113	BRL	10		ug/L	193322	1	07/07/2014 20:24	GK
Isopropylbenzene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
m,p-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Methyl acetate	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Methylcyclohexane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Methylene chloride	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
o-Xylene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 10-Jul-14

Client: Peachtree Environmental
 Project Name: Columbia Co Car Care Center
 Lab ID: 1407376-010

Client Sample ID: TRIP BLANK
 Collection Date: 7/3/2014
 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	193322	1	07/07/2014 20:24	GK
Tetrachloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Toluene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Trichloroethene	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Trichlorofluoromethane	BRL	5.0		ug/L	193322	1	07/07/2014 20:24	GK
Vinyl chloride	BRL	2.0		ug/L	193322	1	07/07/2014 20:24	GK
Surr: 4-Bromofluorobenzene	90.1	66.2-120		%REC	193322	1	07/07/2014 20:24	GK
Surr: Dibromofluoromethane	98.1	79.5-121		%REC	193322	1	07/07/2014 20:24	GK
Surr: Toluene-d8	99.6	77-117		%REC	193322	1	07/07/2014 20:24	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
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Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Peachtree Env.

Work Order Number 1407376

Checklist completed by [Signature] Date 7/3/14

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 3.2°C 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.

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

Client: Peachtree Environmental
 Project Name: Columbia Co Car Care Center
 Workorder: 1407376

ANALYTICAL QC SUMMARY REPORT

BatchID: 193322

Sample ID: MB-193322	Client ID:				Units: ug/L	Prep Date: 07/07/2014	Run No: 271191				
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 193322	Analysis Date: 07/07/2014	Seq No: 5723227				
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: Columbia Co Car Care Center
Workorder: 1407376

ANALYTICAL QC SUMMARY REPORT

BatchID: 193322

Sample ID: MB-193322	Client ID:					Units: ug/L	Prep Date: 07/07/2014		Run No: 271191		
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS	SW8260B				BatchID: 193322	Analysis Date: 07/07/2014		Seq No: 5723227		
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	47.22	0	50.00		94.4	66.2	120				
Surr: Dibromofluoromethane	48.71	0	50.00		97.4	79.5	121				
Surr: Toluene-d8	49.61	0	50.00		99.2	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: Columbia Co Car Care Center
Workorder: 1407376

ANALYTICAL QC SUMMARY REPORT**BatchID: 193322**

Sample ID: LCS-193322	Client ID:					Units: ug/L	Prep Date: 07/07/2014	Run No: 271191			
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 193322	Analysis Date: 07/07/2014	Seq No: 5723226			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	42.13	5.0	50.00		84.3	63.1	140				
Benzene	44.52	5.0	50.00		89.0	74.2	129				
Chlorobenzene	43.78	5.0	50.00		87.6	70	129				
Toluene	46.68	5.0	50.00		93.4	74.2	129				
Trichloroethene	46.32	5.0	50.00		92.6	71.2	135				
Surr: 4-Bromofluorobenzene	46.29	0	50.00		92.6	66.2	120				
Surr: Dibromofluoromethane	48.39	0	50.00		96.8	79.5	121				
Surr: Toluene-d8	50.48	0	50.00		101	77	117				

Sample ID: 1407376-001AMS	Client ID: MW-10	Units: ug/L			Prep Date: 07/07/2014	Run No: 271191					
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 193322			Analysis Date: 07/07/2014	Seq No: 5723323					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	46.08	5.0	50.00		92.2	60.2	159				
Benzene	46.06	5.0	50.00		92.1	70.2	138				
Chlorobenzene	46.73	5.0	50.00		93.5	70.1	133				
Toluene	48.78	5.0	50.00		97.6	70	139				
Trichloroethene	49.45	5.0	50.00		98.9	70.1	144				
Surr: 4-Bromofluorobenzene	46.69	0	50.00		93.4	66.2	120				
Surr: Dibromofluoromethane	47.97	0	50.00		95.9	79.5	121				
Surr: Toluene-d8	49.25	0	50.00		98.5	77	117				

Sample ID: 1407376-001AMSD	Client ID: MW-10	Units: ug/L			Prep Date: 07/07/2014	Run No: 271191					
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 193322			Analysis Date: 07/07/2014	Seq No: 5723735					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	44.22	5.0	50.00		88.4	60.2	159	46.08	4.12	19.2	
Benzene	44.65	5.0	50.00		89.3	70.2	138	46.06	3.11	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		

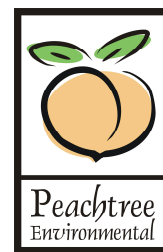
Client: Peachtree Environmental
Project Name: Columbia Co Car Care Center
Workorder: 1407376

ANALYTICAL QC SUMMARY REPORT

BatchID: 193322

Sample ID: 1407376-001AMSD	Client ID: MW-10	Units: ug/L				Prep Date: 07/07/2014	Run No: 271191				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 193322				Analysis Date: 07/07/2014	Seq No: 5723735				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	45.41	5.0	50.00		90.8	70.1	133	46.73	2.87	20	
Toluene	46.95	5.0	50.00		93.9	70	139	48.78	3.82	20	
Trichloroethene	46.93	5.0	50.00		93.9	70.1	144	49.45	5.23	20	
Surr: 4-Bromofluorobenzene	45.80	0	50.00		91.6	66.2	120	46.69	0	0	
Surr: Dibromofluoromethane	47.49	0	50.00		95.0	79.5	121	47.97	0	0	
Surr: Toluene-d8	49.01	0	50.00		98.0	77	117	49.25	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

FIELD NOTES

WATER LEVEL FIELD SHEET
COLUMBIA COUNTY CAR CARE CENTER, MARTINEZ, GEORGIA

Sample Order	Well Number	Depth to Water (10/15/13)	Total Depth (10/15/13)	Date/Time Gauged	Depth to Water (ft TOC)	Total Depth (ft TOC)	Comments	Total VOCs (µg/L)
1	MW-10	6.81	13.89	7-2-14 840	6.77	13.89	Replaced well cap	ND
2	MW-10D	6.06	28.04	7-2-14 850	5.97	28.04	Replaced well cap	ND
3	MW-15	7.38	13.75 ⁽¹⁾	7-2-14 1030	7.37	13.80	develop 7/2 = 25 gals	ND
4	MW-15D	7.00	28.79 ⁽²⁾	7-2-14 1032	7.02	28.90	develop 7/2 = 15 gals 7/3 = 10 gals	ND
5	MW-5D	7.41	36.6 ⁽³⁾	7-2-14 1040	7.72	36.65	develop 7/2 = 10 gals 7/3 = 4 gals	ND
6	MW-5DD	1.72	76.51	7-2-14 1044	2.57	76.50	Replaced well cap	ND
7	MW-11D	7.30	32.75	7-2-14 1055	7.51	32.72	Replaced well cap	6
8	PMW-1	7.45	20.72	7-2-14 1058	7.62	20.72	Duplicate Sample	17

Notes: All wells needed new caps & locks in Oct. 2013 (except PMW-1 - needed lock only)

- (1) MW-15: 4 - 6 in. of silt on bottom (Oct. 2013)
 (2) MW-15D: 6 - 8 in. of silt on bottom (Oct. 2013), high turbidity (73.7 NTUs)
 (3) MW-5D: 1 - 2 in. of silt on bottom (Oct. 2013)

MW-15 Develop 16:45 to

Monitoring Well Purging & Sampling Information

Peachtree Project: Columbia County Car Care Center

Project No.: 3226

Date: 7/2/14

Project Location: Martinez, Georgia

Well Information

Well No: MW-10

Well Diameter: 2 inch

Total Well Depth from TOC: 13.89 feet

Depth to Water from TOC: 6.77 feet

Length of Static Water Column (L): feet

Well Observations

General Condition of Well: Replaced well cap

NAPL observation? (Y/N):

Volume of water in well = Length of Static Water Column (L) x gal/foot

where: gal/foot =

0.04 (1-inch well)

0.16 (2-inch well)

0.65 (4-inch well)

L x gal/foot =

 gallons (1 well volume) gallons (3 well volumes)

Well Purging

Purging Method: Peristaltic

Time	Gallons Purged	DTW	Temp (°C)	pH	ORP (mV)	Conductivity (ms/cm)	Turbidity (NTUs)	DO (mg/L)
850			27.90	4.48	172.4	0.032	1.98	3.84
900	1/2		27.91	4.50	167.2	0.030	1.86	3.62
905	.9		28.34	4.59	164.4	0.031	1.23	3.94
910	1.4		28.03	4.63	166.5	0.031	.99	3.90
915	1.9		27.64	4.64	170.0	0.030	1.04	3.72
920	2.4		27.49	4.65	170.8	0.030	1.02	3.68

Purged to Dryness? (Y/N): N

Sample Information

Method of Sampling: Peristaltic

Sample ID	time	Containers	Analyte	Preservative
		40-ml Glass	VOCs	HCl
MW-10	925			

Sample Transport and Preservation: Ice-filled cooler

Sample Destination: Analytical Environmental Services, Inc.

Shipped By: Hand

Chain of Custody completed (Y?N): Yes

(Fed Ex, Hand Delivery, etc.)

Peachtree Environmental Personnel: Roy Rote

Notes: Clear water, no odor

Monitoring Well Purging & Sampling Information

Peachtree Project: Columbia County Car Care Center

Project No.: 3226

Date: 7-2-14

Project Location: Martinez, Georgia

Well Information

Well No: MW-10D

Well Diameter: 2 inch

Total Well Depth from TOC: 28.04 feet

Depth to Water from TOC: 5.97 feet

Length of Static Water Column (L): _____ feet

Well Observations

General Condition of Well: Replace well cap

NAPL observation? (Y/N): _____

Volume of water in well = Length of Static Water Column (L) x gal/foot

where: gal/foot =

0.04 (1-inch well)

0.16 (2-inch well)

0.65 (4-inch well)

L x gal/foot = _____

gallons (1 well volume)

_____ gallons (3 well volumes)

Well Purging

Purging Method: _____

Peristaltic

Time	Gallons Purged	DTW	Temp (°C)	pH	ORP (mV)	Conductivity (ms/cm)	Turbidity (NTUs)	DO (mg/L)
940			25.83	6.32	56.1	0.098	2.53	0.45
945	1/2		25.81	6.45	12.2	0.097	2.15	0.45
950	1		25.37	6.41	2.5	0.093	2.14	0.63
955	1 1/2		25.02	6.34	1.2	0.086	2.27	0.76
1000	2		24.93	6.14	3.7	0.082	1.91	1.14
1005	2 1/2		24.90	6.10	4.0	0.083	1.88	1.18

Purged to Dryness? (Y/N): N

Sample Information

Method of Sampling: _____

Peristaltic

Sample ID	Containers	Analyte	Preservative
<u>MW-10D</u>	<u>40-ml Glass</u>	<u>VOCs</u>	<u>HCl</u>

Sample Transport and Preservation: _____

Ice-filled cooler

Sample Destination: _____

Analytical Environmental Services, Inc.

Shipped By: Hand

Chain of Custody completed (Y?N): _____

Yes

(Fed Ex, Hand Delivery, etc.)

Peachtree Environmental Personnel: _____

Ray Mote

Notes: Clear water, no odor

Monitoring Well Purging & Sampling Information

Peachtree Project: Columbia County Car Care Center

Project No.: 3226

Date: 7-3-14

Project Location: Martinez, Georgia

Well Information

Well No: MW-5D

Well Diameter: 2 inch

Total Well Depth from TOC: 36.65 feet

Depth to Water from TOC: 7.72 feet

Length of Static Water Column (L): feet

Well Observations

General Condition of Well: Replaced worn cap

NAPL observation? (Y/N):

Volume of water in well = Length of Static Water Column (L) x gal/foot

where: gal/foot =

0.04 (1-inch well)

0.16 (2-inch well)

0.65 (4-inch well)

L x gal/foot =

 gallons (1 well volume)

 gallons (3 well volumes)

Well Purging

Purging Method: Peristaltic

Time	Gallons Purged	DTW	Temp (°C)	pH	ORP (mV)	Conductivity (ms/cm)	Turbidity (NTUs)	DO (mg/L)
945			24.66	5.96	7.82	0.050	954	7.68
955	1.75		25.23	5.95	189.9	0.050	947	6.92
1005	1.5		25.45	5.98	185.5	0.051	937	5.64
1015	2.25		25.73	6.01	181.2	0.051	905	5.73
1025	3		25.07	5.93	184.6	0.051	942	5.81
1035	3.75		24.88	5.95	186.1	0.051	933	5.86

Purged to Dryness? (Y/N):

Sample Information

Method of Sampling: Peristaltic

Sample ID	Containers	Analyte	Preservative
<u>MW-5D</u>	<u>40-ml Glass</u>	<u>VOCs</u>	<u>HCl</u>

Sample Transport and Preservation: Ice-filled cooler

Sample Destination: Analytical Environmental Services, Inc.

Shipped By: Head

Chain of Custody completed (Y?N): Yes

(Fed Ex, Hand Delivery, etc.)

Peachtree Environmental Personnel: Ray Mote

Notes: 7-2-14 Developed well 1230 to 530 (light brown silty) 10 gals keep going dry.
7-3-14 After Sampling - Developed 4 gals (light brown silty still!!!) keep going dry.

Monitoring Well Purging & Sampling Information

Peachtree Project: Columbia County Car Care Center

Project No.: 3226

Date: 7-2-14

Project Location: Martinez, Georgia

Well Information

Well No: MW-5DD

Well Diameter: 2 inch

Total Well Depth from TOC: _____ feet

Depth to Water from TOC: 2.57 feet

Length of Static Water Column (L): _____ feet

Well Observations

General Condition of Well: _____

NAPL observation? (Y/N): _____

Volume of water in well = Length of Static Water Column (L) x gal/foot

where: gal/foot =

0.04 (1-inch well)

0.16 (2-inch well)

0.65 (4-inch well)

L x gal/foot = _____

gallons (1 well volume)

gallons (3 well volumes)

Well Purging

Purging Method: _____

Peristaltic

Time	Gallons Purged	DTW	Temp (°C)	pH	ORP (mV)	Conductivity (ms/cm)	Turbidity (NTUs)	DO (mg/L)
1425			26.50	6.85	46.5	0.197	4.62	7.10
1430	1/2		26.24	6.86	46.8	0.196	1.65	4.32
1435	1		26.29	6.95	43.4	0.195	2.55	4.01
1440	1 1/2		25.55	7.00	42.3	0.192	2.12	3.73
1445	2		25.48	7.02	43.3	0.192	1.65	3.86
1450	2 1/2		25.68	7.03	43.5	0.192	1.58	3.76

Purged to Dryness? (Y/N): _____

N

Sample Information

Method of Sampling: _____

Peristaltic

Sample ID	Containers	Analyte	Preservative
<u>MW-5DD</u>	<u>1500</u> 40-ml Glass	<u>VOCs</u>	<u>HCl</u>

Sample Transport and Preservation: _____

Ice-filled cooler

Sample Destination: _____

Analytical Environmental Services, Inc.

Shipped By: _____

Hand

Chain of Custody completed (Y?N): _____

Yes

(Fed Ex, Hand Delivery, etc.)

Peachtree Environmental Personnel: _____

Roy Mote

Notes: Clear water, no odor

Monitoring Well Purging & Sampling Information

Peachtree Project: Columbia County Car Care Center
 Project Location: Martinez, Georgia

Project No.: 3226

Date: 7-2-14

Well Information

Well No: MW-11D Well Diameter: 2 inch
 Total Well Depth from TOC: _____ feet
 Depth to Water from TOC: 7.51 feet
 Length of Static Water Column (L): _____ feet

Well Observations

General Condition of Well: Good replaced well cap
 NAPL observation? (Y/N): _____
 Volume of water in well = Length of Static Water Column (L) x gal/foot
 where: gal/foot = _____
 0.04 (1-inch well)
 0.16 (2-inch well)
 0.65 (4-inch well)
 L x gal/foot = _____ gallons (1 well volume) _____ gallons (3 well volumes)

Well Purging

Purging Method: Peristaltic

Time	Gallons Purged	DTW	Temp (°C)	pH	ORP (mV)	Conductivity (ms/cm)	Turbidity (NTUs)	DO (mg/L)
1535			25.20	7.18	37.8	0.074	1.23	8.42
1540	1/2		24.48	6.83	51.0	0.071	1.26	7.10
1545	1		24.70	6.76	50.9	0.072	1.30	5.12
1550	1 1/2		24.45	6.38	61.4	0.064	1.60	3.95
1555	2		24.44	6.22	65.6	0.061	1.32	4.09
1600	2 1/2		24.46	6.22	67.9	0.060	1.40	4.15
1605	3		24.45	6.19	70.0	0.061	1.37	4.16

Purged to Dryness? (Y/N): N

Sample Information

Method of Sampling: Peristaltic

Sample ID	Containers	Analyte	Preservative
<u>MW-11D</u>	<u>40-ml Glass</u>	<u>VOCs</u>	<u>HCl</u>

Sample Transport and Preservation: Ice-filled cooler
 Sample Destination: Analytical Environmental Services, Inc. Shipped By: Hand
 Chain of Custody completed (Y?N): Yes (Fed Ex, Hand Delivery, etc.)

Peachtree Environmental Personnel: Roy Mate

Notes: Clear water, no odor

Monitoring Well Purging & Sampling Information

Peachtree Project: Columbia County Car Care Center

Project No.: 3226

Date: 7-2-14

Project Location: Martinez, Georgia

Well Information

Well No: PMW-1

Well Diameter: 2 inch

Total Well Depth from TOC: _____ feet

Depth to Water from TOC: 7.62 feet

Length of Static Water Column (L): _____ feet

Well Observations

General Condition of Well: Good

NAPL observation? (Y/N): _____

Volume of water in well = Length of Static Water Column (L) x gal/foot

where: gal/foot =

0.04 (1-inch well)

0.16 (2-inch well)

0.65 (4-inch well)

L x gal/foot = _____

gallons (1 well volume)

_____ gallons (3 well volumes)

Well Purging

Purging Method: _____

Peristaltic

Time	Gallons Purged	DTW	Temp (°C)	pH	ORP (mV)	Conductivity (ms/cm)	Turbidity (NTUs)	DO (mg/L)
<u>1635</u>			<u>25.64</u>	<u>4.94</u>	<u>126.8</u>	<u>0.054</u>	<u>18.16</u>	<u>3.94</u>
<u>1640</u>	<u>1/2</u>		<u>26.40</u>	<u>4.71</u>	<u>138.8</u>	<u>0.071</u>	<u>18.30</u>	<u>3.80</u>
<u>1645</u>	<u>1</u>		<u>26.48</u>	<u>4.57</u>	<u>150.6</u>	<u>0.087</u>	<u>13.10</u>	<u>5.56</u>
<u>1650</u>	<u>1 1/2</u>		<u>26.46</u>	<u>4.50</u>	<u>159.3</u>	<u>0.091</u>	<u>7.65</u>	<u>5.88</u>
<u>1655</u>	<u>2</u>		<u>26.47</u>	<u>4.48</u>	<u>162.4</u>	<u>0.092</u>	<u>2.95</u>	<u>6.03</u>
<u>1700</u>	<u>2 1/2</u>		<u>26.49</u>	<u>4.46</u>	<u>164.8</u>	<u>0.092</u>	<u>3.15</u>	<u>5.90</u>
<u>1705</u>	<u>3</u>		<u>26.45</u>	<u>4.47</u>	<u>165.4</u>	<u>0.092</u>	<u>3.25</u>	<u>5.98</u>

Purged to Dryness? (Y/N): N

Sample Information

Method of Sampling: _____

Peristaltic

Sample ID	Containers	Analyte	Preservative
<u>PMW-1</u>	<u>40-ml Glass</u>	<u>VOCs</u>	<u>HCl</u>

Sample Transport and Preservation: _____

Ice-filled cooler

Sample Destination: _____

Analytical Environmental Services, Inc.

Shipped By: _____

Hand

Chain of Custody completed (Y?N): _____

Yes

(Fed Ex, Hand Delivery, etc.)

Peachtree Environmental Personnel: _____

Ray Mote

Notes: Duplicate sample 7-2-14 @ 1715

Monitoring Well Purging & Sampling Information								
Peachtree Project: <u>Columbia County Car Care Center</u>			Project No.: <u>3226</u>			Date: <u>7-3-14</u>		
Project Location: <u>Martinez, Georgia</u>								
Well Information								
Well No: <u>MW-15</u>			Well Diameter: <u>2 inch</u>					
Total Well Depth from TOC: _____			feet					
Depth to Water from TOC: <u>7.37</u>			feet					
Length of Static Water Column (L): _____			feet					
Well Observations								
General Condition of Well: <u>Replaced well cap</u>								
NAPL observation? (Y/N): _____								
Volume of water in well = Length of Static Water Column (L) x gal/foot								
where: gal/foot =			0.04 (1-inch well)					
			0.16 (2-inch well)					
			0.65 (4-inch well)					
L x gal/foot = _____			gallons (1 well volume)			_____ gallons (3 well volumes)		
Well Purging								
Purging Method: <u>Peristaltic</u>								
Time	Gallons Purged	DTW	Temp (°C)	pH	ORP (mV)	Conductivity (ms/cm)	Turbidity (NTUs)	DO (mg/L)
<u>730</u>			<u>25.39</u>	<u>3.63</u>	<u>196</u>	<u>0.190</u>	<u>4.29</u>	<u>8.52</u>
<u>735</u>	<u>1/2</u>		<u>25.48</u>	<u>3.64</u>	<u>203.6</u>	<u>0.106</u>	<u>8.66</u>	<u>6.24</u>
<u>740</u>	<u>.8</u>		<u>25.66</u>	<u>3.79</u>	<u>201.8</u>	<u>0.106</u>	<u>7.73</u>	<u>6.07</u>
<u>745</u>	<u>1.2</u>		<u>25.70</u>	<u>3.88</u>	<u>201.8</u>	<u>0.106</u>	<u>5.46</u>	<u>6.06</u>
<u>750</u>	<u>1.6</u>		<u>25.66</u>	<u>3.90</u>	<u>201.9</u>	<u>0.106</u>	<u>4.28</u>	<u>6.09</u>
<u>755</u>	<u>2.0</u>		<u>25.68</u>	<u>3.92</u>	<u>202.1</u>	<u>0.106</u>	<u>3.86</u>	<u>6.09</u>
Purged to Dryness? (Y/N): <u>N</u>								
Sample Information								
Method of Sampling: <u>Peristaltic</u>								
Sample ID		Containers	Analyte	Preservative				
<u>MW-15</u>	<u>800</u>	<u>40-ml Glass</u>	<u>VOCs</u>	<u>HCl</u>				
Sample Transport and Preservation: <u>Ice-filled cooler</u>								
Sample Destination: <u>Analytical Environmental Services, Inc.</u>					Shipped By: <u>Hand</u>			
Chain of Custody completed (Y?N): <u>Yes</u>					(Fed Ex, Hand Delivery, etc.)			
Peachtree Environmental Personnel: <u>Roy Mote</u>								
Notes: <u>7-2-14 Developed well 1100 to 345 (light brown silty to clear) 25 gallons.</u>								

Peachtree Project: Columbia County Car Care Center
Project Location: Martinez, Georgia

Project No.: 3226

Date: 7-3-14

Well Information

Well No: MW-15D

Well Diameter: 2 inch

Total Well Depth from TOC: 28.90 feet

Depth to Water from TOC: 7.02 feet

Length of Static Water Column (L): feet

Well Observations

General Condition of Well:

NAPL observation? (Y/N):

Volume of water in well = Length of Static Water Column (L) x gal/foot

where: gal/foot =

0.04 (1-inch well)

0.16 (2-inch well)

0.65 (4-inch well)

$$L \times \text{gal/foot} =$$

gallons (1 well volume)

gallons (3 well volumes)

Well Purging

Purging Method:

Peristaltic

Time	Gallons Purged	DTW	Temp (°C)	pH	ORP (mV)	Conductivity (ms/cm)	Turbidity (NTUs)	DO (mg/L)
815			23.95	4.70	210.6	0.026	241	9.24
820	1.25		24.24	4.77	207.7	0.025	186	7.70
825	1/2		24.22	4.88	202.4	0.025	288	7.52
830	1.75		24.19	5.01	195.8	0.025	236	7.63
840	1.25		24.07	5.03	196.6	0.026	270	7.57
850	1.75		24.02	5.04	196.4	0.025	248	7.58
900	2.25		23.99	5.02	196.8	0.025	258	7.59
910	2.75		23.93	5.05	195.4	0.025	262	7.58

Purged to Dryness? (Y/N):

Sample Information

Method of Sampling:

Peristaltic

Sample ID		Containers	Analyte	Preservative
MW-15D	920	40-ml Glass	VOCs	HCl

Sample Transport and Preservation:

Ice-filled cooler

Sample Destination:

Analytical Environmental Services, Inc.

Shipped By:

Chain of Custody completed (Y?N):

Yes

(Fed Ex, Hand Delivery,
etc.)

Peachtree Environmental Personnel:

Roy Note

Notes: 7-2-14 Developed well 1045 to 1710 only 15 gals (light brn. silty)
well keep going dry.
7-3-14 After Sampling - developed 10 gals (still light brn silty)
Keep going dry



APPENDIX C

SUMMARY OF PROFESSIONAL HOURS

COLUMBIA COUNTY CAR CARE CENTER
2ND SEMIANNUAL VRP PROGRESS REPORT
MARTINEZ, COLUMBIA COUNTY, GEORGIA
AUGUST 2014

APPENDIX C
MONTHLY SUMMARY AND DESCRIPTION OF PROFESSIONAL HOURS

Quantity	Units	Time Period + Description of Activities	Hours	
				Subtotal
May 27 - June 30				
Project Management - Planning and supervision of sampling event in July				
18.00	Hours	Sr. Project Manager (Steven W. Hart, P.G.)	18.00	
July 1 - July 31				
Project Management - Supervision of sampling event in July				
13.00	Hours	Sr. Project Manager (Steven W. Hart, P.G.)	13.00	
August 1 - 31				
Project Management - Review of 2nd Semi-annual VRP Progress Report				
6.00	Hours	Sr. Project Manager (Steven W. Hart, P.G.)	6.00	

PROFESSIONAL MONTHLY HOURS TOTAL => 37.00