

1ST PROGRESS REPORT

for

BELLEMEADE SHOPPING CENTER
1131-1167 POWDER SPRINGS STREET
MARIETTA, COBB COUNTY, GA 30064

May 2012



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Prepared for:

BOYD GEORGIA PROPERTY, LLC

Prepared by:

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Project Scientist



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CITY OF MARIETTA BUILDING PERMIT

ANALYTICAL REPORTS

BORING LOGS / WELL SCHEMATICS

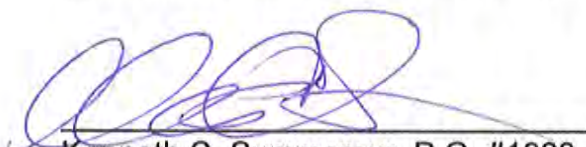
1ST PROGRESS REPORT
Bellemeade Shopping Center
1131-1167 Powder Springs Street
Marietta, Cobb County, GA 30064

GEOLOGY CERTIFICATION

"I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.

Furthermore, to document my direct oversight of the Voluntary Remediation Program development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."


Kenneth C. Summerour, P.G. #1083
Registered Professional Geologist

5-24-12
Date



Professional Geologist Stamp/Seal

1.0 INTRODUCTION

Envirorisk Consultants, Inc. (Envirorisk) has prepared this 1st Progress Report on behalf of Boyd Georgia Property, LLC (Owner) for the property (site) located at 1131–1167 Powder Springs Street, in Marietta, Cobb County, Georgia. This report provides a description of the findings of Phase I subsurface investigations and follow-up studies which indicate that the chlorinated volatile organic compounds (VOCs) detected at the site are a result of an off-site release.

This work was completed in accordance with the approved Voluntary Remediation Program Application (VRPA) and based on communication with Georgia Environmental Protection Division (EPD) personnel. Although VOC contamination was suspected to be from an off-site source, the owner elected to enter the Voluntary Remediation Program (VRP) to facilitate the property lease/use and eliminate the possibility of the site being placed on the Hazardous Site Inventory (HSI). This site was admitted into the VRP on February 28, 2012 by the Georgia EPD.

1.1 PURPOSE

This 1st Progress Report was prepared to satisfy requirements of the Georgia VRPA in accordance with the approved application. This report provides the following information:

- General information on the site setting and physical characteristics of the surrounding environment;
- Information from recent EPD file reviews for adjacent properties;
- Interview information from the City of Marietta regarding past operations at the Former Ocean Cleaners located on-site;
- Information on geological and hydrogeological characteristics of the study area updated from recent field investigations;
- Updated evaluation of known or potential source(s) of regulated constituents in the subsurface;
- Approximate horizontal and/or vertical extent of regulated constituent in soil and groundwater;
- A 3-dimensional conceptual site model (CSM) developed using available data which details the site's surface and subsurface conditions;
- A discussion of potential human health and ecological receptors;

- Updated remedial and investigative goals to address regulated constituents based on recent findings; and
- Conclusions and recommendations.

This information is provided in the subsequent sections of the report. Supporting documentation including figures and laboratory reports are provided in the labeled appendices. Summary tables are incorporated into the text for reference.

1.2 FACILITY LOCATION AND DESCRIPTION

The site consists of 7.89 acres of land containing two (-2-) single story buildings containing approximately 73,200 square feet constructed in 1973. The larger structure was recently demolished in support of new construction. The site is located southeast of the intersection of Bellemeade Drive and Powder Springs Street in Land Lots 66 and 67, 17th District, and is designated as Parcel 1417006700020 in Marietta, Cobb County, Georgia. The site location, tax parcel identification, and topography are illustrated in the labeled appendix as Figures 1-3.

The two site buildings and surrounding parking areas are referred to as the "Bellemeade Shopping Center" with street addresses numbered 1131-1167 Powder Springs Street. The anchor space (Suite 1167) in the demolished building was previously occupied by Food Depot. The remaining tenant spaces are currently or were recently occupied by various tenants including: an Islamic center (Suite 1139), Metro PCS (Suite 1147), Jackson-Hewitt Tax Service (Suite 1151), Popular Auto Insurance (Suite 1153, formerly Ocean Cleaners), Westside Veterinarian (Suite 1155), Nails (Suite 1159), Wing Factory (Suite 1161), Dollar General (Suite 1169), and Saint Vincent de Paul Society thrift shop (Suite 1171).

Site areas surrounding the buildings are improved with asphalt pavement/parking areas and landscaping. Two fenced storm water detention areas are present along the western and southern property boundaries. Access to the site is provided via the Bellemeade Drive Right-of-Way (ROW) and the Powder Springs Street ROW. Figure 4 is a scaled aerial map depicting the site and adjacent property features along with boring and well locations.

1.3 DESCRIPTION OF SURROUNDING PROPERTIES

Surrounding properties consist of mixed-use commercial and residential development. The site is bordered by the following properties:

- **West-Southwest** – Asia Buffet & Grill, adjacent southwest (formerly Maria Bonita restaurant), followed by Bellemeade Drive and AutoZone [formerly a Leaking Underground Storage Tank (LUST) site], McDonald's, and a Goodyear Auto Service Center;

- **North-Northwest** – Citgo convenience store (LUST site) immediately northwest followed by Powder Springs Street, Cobb County Government Center (former Coles Cleaners/Brownfield site), and KFC restaurant;
- **East-Northeast** – Powder Springs Beverage (Package Store) followed by a small retail strip center containing Viva Mexico (restaurant- formerly One Hour Martinizing dry cleaner), and residential apartments/homes further east; and,
- **South** – XP Auto Sales followed by residential properties.

An aerial view of the site and surrounding parcels is provided on Figures 1 and 2.

1.4 PREVIOUS ENVIRONMENTAL STUDIES

Previous environmental studies included Phase I and II Environmental Site Assessment (ESAs) and Brownfield reports prepared for the site and adjacent/nearby properties. These reports are identified in the reference section (Section 8.0) and are summarized below.

In July 2005, a Phase I ESA conducted by BAT Associates, Inc. indicated that a dry cleaner (Former Ocean Cleaners) previously operated on-site in suite 1153 from the early 1990s to late 1990s-2000. The ESA indicated that soil samples were collected in 1996 and 1998 which did not detect regulated constituents above Georgia EPD thresholds. Sample locations and analytical results were not provided in the Phase I ESA. The Phase I ESA did not recommend further investigations.

In April 2011, an updated Phase I ESA was prepared by Contour Environmental, LLC (Contour). This report recommended further investigation to inspect for potential contaminant impact from the Former Ocean Cleaners on-site and potential off-site sources including the adjacent Citgo convenience store to the northwest and the former One Hour Martinizing dry cleaner to the northeast. The adjacent Citgo LUST site had a confirmed petroleum release in January 2001 which later received a No Further Action Required (NFAR) status from the EPD in August 2001. One Hour Martinizing was historically listed as a RCRA Small Quantity Generator (SQG) in 1986 for the generation of F002 spent halogenated solvent waste including tetrachloroethene (PCE) and breakdown products.

In July 2011, a Limited Phase II Site Investigation (Phase II SI) was performed by Contour to investigate subsurface concerns. The Phase II SI included the advancement of fifteen (-15-) soil borings using a direct push rig for the collection of soil and groundwater samples. Samples were analyzed for VOCs and semi-volatile organic compounds (SVOCs). The results indicated the detection of four (-4-) chlorinated VOCs [PCE, trichloroethene (TCE), cis-1,2-dichloroethene (cis-DCE), and vinyl chloride] in groundwater samples collected on the north-northwest portion of the site.

The highest concentration (PCE) was detected at 1,000 µg/L in boring B-4 located immediately south of the Citgo (Figure 4). Low levels of chlorinated VOCs (PCE, TCE, and cis-DCE) and traces of acetone were also detected in a sediment sample (HA-1) collected in the western detention pond. Soil and groundwater samples collected around the Former Ocean Cleaners were non-detect, suggesting that chlorinated VOCs on-site originated from an off-site source. Detections of numerous polynuclear aromatic hydrocarbons (PAHs) indicative of treated wood debris were also observed in fill materials encountered in boring B-3, advanced near the aforementioned geotechnical boring. This area was later excavated to remove the impacted soils.

In January-February, 2012, Contour Environmental, LLC (Contour) performed additional investigations to further evaluate the extent of the dissolved VOC plume, groundwater flow direction, and proximity of nearby water well receptors. Four piezometers (PZ-1 through PZ-4) were installed, sampled, and surveyed (Figure 4). The findings indicated shallow groundwater was predicted to flow to the south. Additional chlorinated VOCs were also detected in PZ-4 near the northeast property boundary suggesting that the One Hour Martinizing property may be an off-site source.

1.5 EPD FILE DATA AND CITY RECORD REVIEW

EnviroRisk reviewed files at the EPD Underground Storage Tank Management Division (USTMD) to evaluate well data from adjacent LUST sites including the Citgo (Amoco Station #6297, Facility ID 0330348*3) and AutoZone (Former Sing Store No. 91028, Facility ID 0330582*1). The review indicated that the Citgo site is currently closed, but the AutoZone is being evaluated under an approved Correction Action Plan- Part B (CAP-B). The reports reviewed indicated the presence of a monitoring well identified as "MW-10" located in the Bellemeade Drive ROW, which was installed in 1993 as a part of the AutoZone investigation.

In an effort to identify the former location of the dry cleaning machine at the Former Ocean Cleaners, EnviroRisk contacted Hal Cospor with the City of Marietta Building Department. Mr. Cospor reviewed a Building Permit dated April 1, 1992 which indicated "no washing machines" or dry cleaning machines were listed on the Permit. In addition, the bottom of the permit stated "No SDF" (sewer development fee) which further indicates that the Former Ocean Cleaners did not operate a dry cleaning machine since all operating cleaners in the City of Marietta are required to pay this fee. Based on this permit information, the Former Ocean Cleaners appears to have been a drop-off/pick-up facility only. A copy of the Permit is included in the labeled appendix.

2.0 PHYSICAL SETTINGS

This section provides a description of the regional and local physiographic, topographic, geologic, hydrogeologic conditions, and potential receptors. Information was obtained from published sources and/or site investigations.

2.1 LOCAL PHYSIOGRAPHIC AND TOPOGRAPHIC CONDITIONS

The site is located in the Piedmont Province of Georgia in the Central Uplands District (Clark and Zisa, 1976). The Central Uplands District is characterized by a series of low, linear ridges separated by broad, open valleys. Streams flowing in this district are generally transverse to the structure and occupy valleys below ridge crests.

The site is referenced on the United States Geologic Survey (USGS) Marietta, GA topographic quadrangle. A review of Figure 3 indicates that the site slopes to the southwest, with the highpoint of the property being the northwestern corner at approximately 1,100 feet above mean sea level (amsl) and the southwest portion at an approximate elevation of 1,060 feet amsl. Powder Springs Street traverses near the crest of a topographic ridge which slopes to the northwest on the northern half of the street and south-southwest on the southern half of the street, in the site area. The natural gradient of the site is to the south-southwest. Surface water flow is channeled into one of two storm water detention areas located along the western and southern site boundaries. The nearest hydraulically down-gradient surface water body is a tributary located approximately 0.5 miles southwest. This tributary drains into Olley Creek, located approximately 0.7 miles south-southeast of the site. Olley Creek eventually feeds into the Chattahoochee River.

2.2 REGIONAL AND SITE GEOLOGY

Cobb County lies within the Piedmont Physiographic Province, which regionally extends from Alabama to Maine. The Piedmont Province consists of a complex series of greenschist to amphibolite grade metamorphic rocks, meta-igneous, meta-sedimentary rocks, and igneous intrusives of Pre-Cambrian to Paleozoic age. Structural features in the area are generally oriented along a southwest-northeast strike impacted from regional tectonic events (McConnell & Abrams, 1984.)

The Georgia Piedmont generally includes geologic rock units north of the Fall Line boundary with the Coastal Plain Province, south of the Blue Ridge Province, and south-southeast of the Valley and Ridge Province. The Brevard Zone, a northeast/southwest trending structural shear zone, has commonly been used to divide the Georgia Piedmont into Northern and Southern segments (Higgins, 1966).

Recent interpretations describe the Piedmont-Blue Ridge as one combined province (Crawford & Higgins, et.al., 1999). These new interpretations have resulted in the re-grouping of rock formations into two assemblages: the parautochthonous continental margin assemblage and the allochthonous oceanic assemblage. The allochthonous assemblage (from an unknown origin) was theorized to have been obducted onto the parautochthonous assemblage and later isoclinally folded in the middle to late Ordovician period.

The allochthonous oceanic assemblage includes late Proterozoic to early Ordovician age rock formations consisting of meta-intrusives, meta-plutonics, and ultramafics. The parautochthonous assemblage includes Appalachian basement rocks (primarily meta-granites) intruded by middle Proterozoic age meta-volcanic and meta-plutonic rock formations. The basement rocks and intrusives are overlain by early Cambrian to early Ordovician age meta-sedimentary rock formations (Crawford & Higgins, et.al., 1999).

A review of the *Geologic Map of Georgia* indicates that the site and surrounding areas are underlain by biotite gneiss, mica schists, and amphibolite. Rock outcroppings in the area are rarely visible due to vegetation and the high degree of chemical weathering.

Piedmont soils in this area generally consist of micaceous-silt and sand mixtures and clays grading into saprolite with depth. Saprolite has the texture and appearance of the parent bedrock but has been decomposed by chemical weathering. The saprolite residuum eventually grades into partially weathered rock (PWR) and competent bedrock with depth.

Site geologic conditions determined from subsurface investigations indicates red and brown sandy clay and silts (native soil or fill) to depths ranging from 1 to 9 feet below ground surface (ft-bgs) followed by gray to brown sandy-silt and silty-sand saprolite (residuum). The saprolite terminates in partially weathered rock (PWR) and competent rock at depths ranging from 3 to 27 ft-bgs.

2.3 REGIONAL HYDROGEOLOGY

Depth to shallow groundwater in the Piedmont generally ranges from a few feet below ground surface to depths greater than fifty (-50-) ft-bgs in some locations. The water bearing zone where groundwater occurs, generally referred to as the water table, may consist of weathered soils, saprolite, or fractured bedrock. Shallow groundwater flow in the Piedmont often mimics surface topography; however, significant flow may occur along preferential pathways created by heterogeneities in the soil, fill materials, fractures, or other relict bedrock features.

Groundwater in the Piedmont typically occurs in an unconfined or semi-confined condition. Recharge is provided by the infiltration of rainfall and surface water through the soil overburden. More permeable zones in the soil matrix, as well as fractures, joints and discontinuities in the underlying bedrock can affect groundwater conditions.

Contaminant transport in the saprolite and bedrock may be enhanced or greatly influenced by secondary fracture pathway. More rapid transport is often theorized to occur within the more coarse-grained eroded PWR zone located immediately above competent bedrock. Regardless, the water table in the Piedmont is generally expected to be dominated by porous flow and is a subdued replica of the natural surface topography.

2.4 SITE HYDROGEOLOGIC EVALUATION

Shallow groundwater was encountered at depths of 12-20 ft-bgs during completion of the Phase II SI. The groundwater flow direction was determined to be to the south using data from three piezometers. During Envirorisk's subsurface investigations, discussed further in Sections 3 and 4, groundwater depths and calculated elevations were determined for eight (-8-) temporary wells (TW-1 through TW-6, TW-8, TW-9) and MW-10 (AutoZone). Groundwater depths and calculated elevations are provided in Table 1 below.

Table 1. Groundwater Elevation Data

Well Number	Date Measured	Top of Casing Elev. (ft)	Depth of Screened Interval (ft)	Water Depth (ft)	Corrected Groundwater Elev. (ft)
TW-1	04/20/2012	101.95	10.25-20.25'	14.70	87.25
TW-2	04/20/2012	98.53	10.2-20.2'	14.03	84.50
TW-3	04/20/2012	105.11	8-23'	17.75	87.36
TW-4	04/20/2012	100.0	10-25'	12.60	87.40
TW-5	04/20/2012	107.17	10-25'	19.78	87.39
TW-6	04/20/2012	88.86	11-21'	12.09	76.77
TW-8	04/20/2012	94.81	10-25'	10.26	84.55
TW-9	04/20/2012	88.74	10-25'	14.34	74.40
MW-10	04/20/2012	81.08	*	7.02	74.06

NOTES:

* Screened interval not available in EPD files.

ft = feet below ground surface

A review of the data indicates groundwater depths range from 7.02 to 19.78 ft-bgs. A potentiometric surface map was created using the April 2012 groundwater elevation data and is provided as Figure 5. A review of this map indicates groundwater flow is predicted to the south/southwest. The average horizontal hydraulic gradient calculated for the April 2012 event from the northeast (TW-5) to southwest (MW-10) is **0.0173 feet per foot**.

Using the hydraulic gradient and assumed values for effective porosity (n) and hydraulic conductivity (K) for a silty-sand Piedmont saprolite, an estimated groundwater flow velocity was calculated using Darcy's Law, as follows.

$$V_h = \left[\frac{K \frac{dh}{dl}}{n} \right]$$

The variables are described below with their numeric values:

K = the estimated hydraulic conductivity = 1.0×10^{-4} cm/sec or 0.0283 ft/day;
dh/dl = the average calculated hydraulic gradient = 0.0173 ft/ft; and
n = the estimated effective porosity (Fetter, 1988) = 15%.

Using this equation, an estimated seepage velocity for groundwater flow to the southwest was calculated at **0.0033 ft/day** or **1.2 feet per year** (ft/year). This calculated value is derived under the assumption that groundwater flow occurs through a homogeneous, isotropic, porous medium, these calculations should only be considered a rough estimate of actual groundwater flow.

2.5 POTENTIAL RECEPTORS

The current use of the site is and surrounding properties is predominately commercial with the exception of the apartments to the east. Ecological receptors or other sensitive receptors such as day cares were not identified in past environmental studies. Potential groundwater receptors include surface water bodies and private water wells. Based on water well surveys and field reconnaissance, the nearest down-gradient surface water body is a tributary to Olley Creek located approximately 0.5 miles to the southwest (Figure 3). The nearest down-gradient water well (Kirky well) is located greater than one mile to the west-southwest. Based on the distance from the site, both the tributary and the Kirky well do not appear to be probable groundwater receptors. There is no evidence of off-site dissolved plume migration.

3.0 FIELD METHODS

Field methods utilized during drilling and sample collection are discussed in the following sections. The preliminary Remedial Action Plan section of the VRP included a Phase II initial off-site investigation in an effort to locate a potential source to the northeast. Based on the findings, additional source investigations were performed after conferring with EPD personnel. A description of these investigations is provided below. An evaluation of the results is provided in Section 4.

3.1 OVERVIEW OF SCOPE OF WORK

On February 21, 2012 and April 5-6, 2012, Envirorisk mobilized to the site to advance soil borings and temporary monitoring wells for soil and groundwater sampling. Soil boring and well locations are shown on Figure 4.

The scope of work for this assessment included the following:

- Obtaining off-site drilling access from the adjacent landowner to the northeast;
- Preparation of a site specific health and safety plan including contact with the local Utility Protection Center (UPC) to identify subsurface utilities in the work area;
- On February 21, 2012, Envirorisk advanced two (-2-) temporary wells (TW-1 and TW-2) using direct push technology (DPT) on the adjacent Package Store property to the northeast and near the former One Hour Martinizing Cleaners;
- On April 5-6, 2012, an additional six (-6-) temporary wells and one (-1-) soil boring (SB/TW-7) were installed. Temporary wells TW-3, TW-4, TW-5 and TW-8 were installed to further evaluate dissolved VOCs from the former One Hour Martinizing Cleaners. TW-6 and SB/TW-7 (dry well) were advanced adjacent to the Former Ocean Cleaners on-site to verify the absence of chlorinated VOCs in this area. TW-9 was advanced immediately south of the adjacent Citgo to investigate the source of chlorinated VOCs in B-4 advanced during a prior assessment; and
- A total of four (-4-) soil samples and eleven (-11-) groundwater samples were collected and submitted to a local EPD approved laboratory for analysis of VOCs using EPA Method SW8260B. TW-1 and TW-2 were sampled in February 2012, then resampled in April 2012 along with the other temporary wells and MW-10 (AutoZone) located in the Bellemeade Drive ROW.

3.2 DIRECT PUSH DRILLING/WELL INSTALLATION

Envirorisk prepared a site specific Health and Safety Plan (HASP) prior to the start of field work and contacted the local Utility Protection Center to mark any underground utilities in the work area.

Envirorisk installed the temporary wells to depths of approximately 20-25 ft-bgs using direct push technology. The direct push rig utilized was a hydraulically driven sampling system, which used the weight of the vehicle in conjunction with the probe-mounted hammer to advance drill rods and sampling tubes. Discrete soil samples were collected using five-foot long, one-inch diameter core sample tubes. The core tubes were lined with clear, sterile, disposable acetate liners. All down hole drill rods and core samples were decontaminated by hand washing using a non-phosphate grade detergent followed by an organic-free or de-ionized water rinse. Soil samples were recovered by carefully removing the liners from the sampling tubes and cutting them lengthwise to expose the soil core. Soils were classified in the field by visual and textural examination by trained scientists/geologists. Soil classifications were performed in general accordance with the Unified Soil Classification System (USCS) or similar method. Select soil boring logs are included in the labeled appendix.

The temporary wells were installed using -10- or -15- foot Schedule 40 PVC screen sections threaded to one-inch diameter PVC riser sections. A fine-grained silica sand pack was placed around the screened interval in the borehole annulus and was extended to an approximate depth of two feet above the top of the screened interval. A hydrated bentonite seal was then placed on top of the sand pack and extended to just below ground surface. The hydrated seal was constructed using small diameter bentonite "crumbles" and potable water. All wells were completed with 1" PVC slip caps. Well schematics are included in the labeled appendix.

3.3 SOIL SAMPLING

Following drilling, selected portions of each core were placed in foil covered mason jars for field screening of volatile organics using a field calibrated photoionization detector (PID). Readings were collected by penetrating the top of the foil cover with the top of the PID meter and recording the instrument readout in parts per million vapor (ppmv) on the boring logs. Based on the PID readings, olfactory indications, and relative depths, up to two soil samples per boring were collected for laboratory analysis of VOCs.

Soil samples were collected from TW-4, TW-6, and SB/TW-7 using sterile, laboratory jars supplied from the laboratory. Samples were assigned a unique number and were recorded on a laboratory chain-of-custody form prior to being placed in an ice-filled cooler for hand delivery to Analytical Environmental Services (AES), an EPD approved laboratory. Soil samples were analyzed for VOCs using EPA Method SW8260B.

Soil sampling results are discussed in Section 4.1.

3.4 GROUNDWATER SAMPLING AND GAUGING

Field purging was performed under “low flow” conditions using a peristaltic pump with dedicated disposable tubing that was carefully lowered into the top to middle portion of the well screen interval to minimize disturbance of the water column. The samples were collected into laboratory supplied containers and care was taken when filling sample vials to ensure minimal disturbance of the sample and zero head space conditions. Each vial was checked for the possible entrapment of air bubbles immediately after collection.

Upon collection, the samples were given a unique sample identification number and were placed in an insulated cooler on ice. A laboratory Chain of Custody form was completed for each cooler and included the sample date, sample time, sample identification, type of sample, and requested analytical method. The sample coolers were hand delivered to an EPD approved laboratory (AES) for analysis of VOCs using approved EPA methods.

The newly installed temporary wells were surveyed on April 20, 2012 using existing wells as temporary benchmarks for elevation reference. The total depth of each temporary well and depth to groundwater was measured using an electronic water level indicator with 0.01 foot accuracy. All measurements were recorded in a field notebook. The water level indicator was decontaminated between each well by rinsing with a phosphate-free detergent, potable water, and de-ionized water. The temporary wells along with MW-10 (AutoZone) were then gauged using an electronic interface probe. Calculated groundwater elevations for the wells are summarized in Table 1 in Section 2.4.

4.0 EVALUATION OF RESULTS

This section describes the analytical results and discusses the extent of regulated constituents in the soil and groundwater. All data from past and present investigations is tabulated in the text. Analytical reports are provided in the labeled appendix. Figures 6-11 display the horizontal and vertical extent of VOCs.

4.1 SOIL SAMPLE RESULTS

During the prior Phase II SI, a total of twenty four (-24-) soil samples and one (-1-) sediment sample were collected and analyzed for VOCs and SVOCs. The results are provided in Table 2 below.

Table 2. June/July 2011 Soil Sampling Results

Boring ID	B-1	B-2	B-3	B-4	B-5	HSRA "NC" (mg/kg)	TYPE I RRS (mg/kg)
Sample Date	6-1-11	6-1-11	6-1-11	6-1-11	7-7-11		
Sample Depths	8' bgs	6' bgs	12' bgs	N/A	(a) 5' bgs (b) 12' bgs		
VOCs – EPA Method 8260							
Acetone	BRL	BRL	BRL	N/A	(a) BRL (b) BRL	2.74	400
Cis 1,2-Dichloroethene	BRL	BRL	BRL	N/A	(a) BRL (b) BRL	0.53	7.0
Tetrachloroethene	BRL	BRL	BRL	N/A	(a) BRL (b) BRL	0.18	0.5
Trichloroethene	BRL	BRL	BRL	N/A	(a) BRL (b) BRL	0.13	0.5
All Remaining VOCs	BRL	BRL	BRL	N/A	BRL	N/A	N/A
SVOCs – EPA Method 8270							
SVOCs	BRL	BRL	BRL	BRL	BRL	N/A	N/A
NOTES: BRL = Below Laboratory Reporting Limits VOC = Volatile Organic Compounds SVOC = Semi-Volatile Organic Compounds mg/kg – Results Reported in Milligrams Per Kilogram N/A = Not Applicable bgs = Below Ground Surface Highlight – Result Exceeds the HSRA Notification Concentration HSRA Notification Concentrations (NC) taken from Appendix I of the Hazardous Site Response Rules, Chapter 391-3-19. Type I Risk Reduction Standards (RRS) calculated by multiplying concentrations contained in Appendix 3, Table 1 (391-3-19) by 100.							

Table 2. June/July 2011 Soil Sampling Results (continued)

Boring ID	B-6	B-7	B-8	B-9	B-10 (PZ-2)	HSRA "NC" (mg/kg)	TYPE I RRS (mg/kg)
Sample Date	7-7-11	7-7-11	7-7-11	7-7-11	7-7-11		
Sample Depths	(a) 5' bgs	7' bgs	(a) 5' bgs	(a) 5' bgs	(a) 5' bgs		
	(b) 12' bgs		(b) 12' bgs	(b) 12' bgs	(b) 12' bgs		
VOCs – EPA Method 8260							
Acetone	(a) BRL	0.13	(a) BRL	(a) BRL	(a) BRL	2.74	400
	(b) BRL		(b) BRL	(b) BRL	(b) BRL		
Cis,1,2-Dichloroethene	(a) BRL	BRL	(a) BRL	(a) BRL	(a) BRL	0.53	7.0
	(b) BRL		(b) BRL	(b) BRL	(b) BRL		
Tetrachloroethene	(a) BRL	BRL	(a) BRL	(a) BRL	(a) BRL	0.18	0.5
	(b) BRL		(b) BRL	(b) BRL	(b) BRL		
Trichloroethene	(a) BRL	BRL	(a) BRL	(a) BRL	(a) BRL	0.13	0.5
	(b) BRL		(b) BRL	(b) BRL	(b) BRL		
All Remaining VOCs	BRL	BRL	BRL	BRL	BRL	N/A	N/A
SVOCs – EPA Method 8270							
SVOCs	(b) BRL	BRL	(b) BRL	(b) BRL	(b) BRL	N/A	N/A

NOTES:
BRL = Below Laboratory Reporting Limits
VOC = Volatile Organic Compounds
SVOC = Semi-Volatile Organic Compounds
mg/kg – Results Reported in Milligrams Per Kilogram
N/A = Not Applicable
bgs = Below Ground Surface
Highlight – Result Exceeds the HSRA Notification Concentration
HSRA Notification Concentrations (NC) taken from Appendix I of the Hazardous Site Response Rules, Chapter 391-3-19.
Type I Risk Reduction Standards (RRS) calculated by multiplying concentrations contained in Appendix 3, Table 1 (391-3-19) by 100.

Boring ID	B-11	B-12	B-13	B-14	B-15	HA-1	HSRA "NC" (mg/kg)	TYPE I RRS (mg/kg)
Sample Date	7-7-11	7-7-11	7-7-11	7-7-11	7-7-11	7-7-11		
Sample Depths	(a) 5' bgs	9' bgs	(a) 5' bgs	(a) 5' bgs	(a) 5' bgs	1.5' bgs		
	(b) 10' bgs		(b) 12' bgs	(b) 12' bgs	(b) 12' bgs			
VOCs – EPA Method 8260								
Acetone	(a) BRL	BRL	(a) BRL	(a) BRL	(a) BRL	0.12	2.74	400
	(b) BRL		(b) BRL	(b) BRL	(b) BRL			
Cis,1,2-Dichloroethene	(a) BRL	BRL	(a) BRL	(a) 0.10	(a) BRL	0.019	0.53	7.0
	(b) BRL		(b) BRL	(b) BRL	(b) BRL			
Tetrachloroethene	(a) BRL	BRL	(a) BRL	(a) BRL	(a) BRL	0.34	0.18	0.5
	(b) BRL		(b) BRL	(b) BRL	(b) BRL			
Trichloroethene	(a) BRL	BRL	(a) BRL	(a) BRL	(a) BRL	0.0067	0.13	0.5
	(b) BRL		(b) BRL	(b) BRL	(b) BRL			
All Remaining VOCs	BRL	BRL	BRL	BRL	BRL	BRL	N/A	N/A
SVOCs – EPA Method 8270								
SVOCs	BRL	BRL	BRL	BRL	BRL	BRL	N/A	N/A
NOTES: BRL = Below Laboratory Reporting Limits VOC = Volatile Organic Compounds SVOC = Semi-Volatile Organic Compounds mg/kg – Results Reported in Milligrams Per Kilogram N/A = Not Applicable bgs = Below Ground Surface Highlight – Result Exceeds the HSRA Notification Concentration HSRA Notification Concentrations (NC) taken from Appendix 1 of the Hazardous Site Response Rules, Chapter 391-3-19. Type I Risk Reduction Standards (RRS) calculated by multiplying concentrations contained in Appendix 3, Table 1 (391-3-19) by 100.								

A review of Table 2 and Figure 6 indicates that regulated constituents detected in the soil samples were limited to cis-DCE detected at 0.10 milligrams per kilogram (mg/kg) in B-14 @ 5 ft-bgs and acetone detected at 0.13 mg/kg in B-7 @ 7 ft-bgs. Higher concentrations of chlorinated VOCs were detected in HA-1 (sediment) collected in the western detention pond. The detections reported in this sample were 0.12 mg/kg acetone, 0.019 mg/kg of cis-DCE, 0.34 mg/kg of PCE, and 0.0067 mg/kg of TCE. Since these detections occurred in sediment, they appear to be attributed to groundwater migration. All of the constituents in soil and sediment samples were below Notification Concentrations (NCs) outlined in Appendix 1 of the Georgia Rules for Hazardous Site Response (391-3-19), with the exception of PCE. The PCE concentration detected in HA-1 exceeded the 0.18 mg/kg NC. All concentrations were below Type 1 Risk Reduction Standards (RRS).

Detections of PAH constituents in B-3 @ 10-12 ft-bgs are not shown on Table 2 but are displayed on Figure 6. These PAHs were observed in fill materials in one isolated area and were subsequently excavated and removed from the site.

On April 5-6, 2012, a total of four (-4-) soil samples were collected from three (-3-) borings and submitted for analysis of VOCs using EPA Method SW8260B. Analytical results were compared to HSRA Notification Concentration limits and Type 1 RRS. Analytical results are provided in Table 3 below.

Table 3. April 2012 Soil Sampling Results

Well ID	TW-4	TW-6	SB/TW-7	HSRA "NC" (mg/kg)	TYPE I RRS (mg/kg)
Sample Date	4/5/12	4/5/12	4/5/12		
Sample Depths	(a) 14-15' bgs	4-5' bgs	3-4' bgs		
	(b) 19-20' bgs				
Acetone	(a) BRL	0.089	BRL	2.74	400
	(b) BRL				
cis-1,2-Dcihloroethene	(a) 0.013	BRL	BRL	0.53	7.0
	(b) BRL				
Tetrachloroethene	(a) 0.26	BRL	BRL	0.18	0.5
	(b) 0.019				
Trichloroethene	(a) 0.0045	BRL	BRL	0.13	0.5
	(b) BRL				
All Remaining VOCs	(a) BRL	BRL	BRL	N/A	N/A
	(b) BRL				

NOTES:
BRL = Below Laboratory Reporting Limits
VOC = Volatile Organic Compounds
mg/kg – Results Reported in Milligrams Per Kilogram
N/A = Not Applicable
bgs = Below Ground Surface
Highlight – Result Exceeds the HSRA Notification Concentration
HSRA Notification Concentrations (NC) taken from Appendix I of the Hazardous Site Response Rules, Chapter 391-3-19.
Type I Risk Reduction Standards (RRS) calculated by multiplying concentrations contained in Appendix 3, Table 1 (391-3-19) by 100.

A review of Table 3 indicates that all of the constituents detected in the soil were below Notification Concentrations (NCs) with the exception of PCE detected in TW-4 @ 14-15 ft-bgs. TW-4 is located on the adjacent property to the northeast. All concentrations were below Type 1 RRS.

4.2 GROUNDWATER SAMPLE RESULTS

A total of nine (-9-) groundwater samples were collected and analyzed during the Contour Phase II SIs, as shown in Table 4 below. Four (-4-) chlorinated VOCs (PCE, TCE, cis-DCE, and vinyl chloride) were detected.

Table 4. June/July 2011 and January 2012 Groundwater Sampling Results

Boring ID	B-1**	B-3	B-4	B-5	B-10***	PZ-1	PZ-2***	PZ-3**	PZ-4	TYPE 1 RRS (µg/L)
Sample Date	6-1-11	6-1-11	6-1-11	7-7-11	7-7-11	1-16-12	1-16-12	1-18-12	1-16-12	N/A
Tetrachloroethene	BRL	BRL	1,000	BRL	BRL	180	BRL	BRL	140	5
Trichloroethene	BRL	BRL	22	BRL	BRL	6.5	BRL	BRL	5.1	5
cis-1,2-Dichloroethene	BRL	BRL	100	BRL	30	28	59	BRL	25	70*
Vinyl Chloride	BRL	BRL	BRL	BRL	9.4	BRL	13	BRL	BRL	2
All SVOCs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	N/A

BRL = Below Laboratory Reporting Limits
 SVOC = Semi-Volatile Organic Compounds
 µg/L – Results Reported in Micrograms Per Liter
 N/A = Not Applicable
 bgs = Below Ground Surface
 Highlight – Result Exceeds the HSRA Groundwater Concentration
 *No HSRA Criteria- used the Maximum Contaminant Level from Chapter 391-3-5 Safe Drinking Act.
 **B-1 and PZ-3 were collected in the same location.
 ***B-10 and PZ-2 were collected in the same location.

A review of Table 4 and Figure 7 indicates the highest VOC concentrations were observed in a sample collected from B-4 on the southwest portion of the site, away from any known source. The VOCs detected in this sample included 1,000 µg/L of PCE, 22 µg/L of TCE, and 100 µg/L cis-DCE. All of these constituents exceed Type 1 RRS values. These constituents were detected in lower concentrations in other borings/piezometers advanced on the north and northeast portions of the site, suggesting a separate off-site source to the north or northeast. Vinyl chloride was detected in B-10 and PZ-2 at low concentrations ranging from 9.4 to 13 µg/L. All other groundwater samples collected on the southern portion of the site including in the vicinity of the Former Ocean Cleaners were non-detect.

On February 12, 2012 and April 6, 2012, Envirorisk collected a total of eleven (-11-) groundwater samples for VOC analysis using EPA Method SW8260B. Analytical results are provided in Table 5 below.

Table 5. February/April 2012 Groundwater Sampling Results

Well ID	MW-10	TW-1		TW-2		TW-3	TW-4	TW-5	TW-6	TW-8	TW-9	TYPE 1 RRS (µg/L)
Sample Date	4/6/12	2/21/12	4/6/12	2/21/12	4/6/12	4/6/12	4/6/12	4/6/12	4/6/12	4/6/12	4/6/12	N/A
Benzene	17*	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	5.0
cis-1,2-Dichloroethene	BRL	BRL	BRL	36	17	BRL	440	BRL	BRL	86	49	70**
Ethylbenzene	BRL	BRL	BRL	9.3	BRL	BRL	BRL	BRL	BRL	BRL	BRL	700
Methyl tert-butyl ether	63*	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	N/A
Tetrachloroethene	BRL	47	16	380	270	45	6,900	BRL	BRL	1,500	540	5.0
Toluene	BRL	BRL	BRL	31	BRL	BRL	BRL	BRL	BRL	BRL	BRL	1,000
Trichloroethene	BRL	BRL	BRL	BRL	7.5	BRL	180	BRL	BRL	30	12	5.0
Xylenes (total)	11*	BRL	BRL	59*	BRL	BRL	BRL	BRL	BRL	BRL	BRL	10,000
All Remaining VOCs	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	N/A

BRL = Below Laboratory Reporting Limits
 SVOC = Semi-Volatile Organic Compounds
 µg/L – Results Reported in Micrograms Per Liter
 N/A = Not Applicable
 bgs = Below Ground Surface
 Highlight – Result Exceeds the HSRA Groundwater Concentration
 *Dissolved benzene, methyl tert-butyl ether, and xylenes are attributed to a gasoline release from the adjacent AutoZone property and are not regulated under HSRA.
 ** No HSRA Criteria- used the Maximum Contaminant Level from Chapter 391-3-5 Safe Drinking Act.

A review of Table 5 and Figure 7 indicates that chlorinated VOCs exceeding Type I RRS were detected in all wells with the exception of TW-5 located north of the package store and TW-6 located adjacent to the Former Ocean Cleaners. The highest VOC concentrations were observed in a sample collected from TW-4 located on the northeast Package Store property near the former One Hour Martinizing Cleaners. The VOCs detected in this sample included 6,900 µg/L of PCE, 180 µg/L of TCE, and 440 µg/L cis-DCE. The next highest PCE concentration was detected in TW-8 located southwest of TW-4. As illustrated in plan view on Figures 7 and 8, the heart of the dissolved PCE plume is shown to extend from TW-4 (6,900 mg/kg) through TW-8 (1,500 µg/L) to B-4 (1,000 µg/L), extrapolated using previous data. This VOC concentration distribution coupled with the absence of dissolved VOCs at the Former Ocean Cleaners suggests the presence of one continuous dissolved chlorinated VOC plume emanating from the off-site dry cleaner rather than two or more separate plumes from multiple sources. The dissolved plume orientation appears to be strongly influenced by subsurface geologic structures following a typical northeast/southwest strike alignment observed in the Piedmont.

The dissolved plume is delineated to the northeast by TW-5, to the south by TW-6 and B-10/PZ-2, and to the west by MW-10. The approximate vertical extent of the dissolved chlorinated plume is assumed to terminate in the top of weathered rock (PWR). A cross section location map is provided as Figure 9. Cross sectional depictions are provided as Figures 10 and 11. The information displayed on the plan view plume maps combined with the cross-sections provides a more complete 3-D conceptual site model.

5.0 CONCLUSIONS

Envirorisk prepared this 1st Progress Report to provide a description of the findings of the Phase I subsurface investigations and follow-up studies conducted at the site. In addition to the field investigations, additional research was performed by review of EPD files for adjacent UST release sites and the operating nature of the Former Ocean Cleaners located on-site. Field work was completed in two separate mobilizations in accordance with the approved VRP along with communication with EPD personnel.

The EPD files review indicated that a monitoring well, MW-10, located in the Bellemeade Drive ROW, was installed as part of an on-going investigation of the AutoZone LUST site. A discussion with the City of Marietta Building Department indicated that active dry cleaning operations were never performed at the Former Ocean Cleaners and that the facility was apparently a drop-off/pick-up location only.

In February 2012, Envirorisk advanced TW-1 and TW-2 on the adjacent Package Store property to the northeast and near the former One Hour Martinizing Cleaners. Low to moderate concentrations of PCE and daughter products were detected. In April 2012, an additional six (-6-) temporary wells (TW-3 through TW-6, TW-8, and TW-9) and one (-1-) soil boring (SB/TW-7) were installed and surveyed to evaluate groundwater flow direction. Temporary wells TW-3, TW-4, TW-5 and TW-8 were installed off-site on the package store property to further evaluate dissolved VOCs in this area. TW-6 and SB/TW-7 (dry well) were advanced adjacent to the Former Ocean Cleaners on-site to verify the absence of chlorinated VOCs in this area. TW-9 was advanced immediately south of the adjacent Citgo to investigate the source of chlorinated VOCs detected in a prior assessment. In addition to the new wells, TW-1 and TW-2 were resampled in April along with MW-10 (AutoZone) located in the Bellemeade Drive ROW.

A review of the data indicates groundwater depths range from 7.02 to 19.78 ft-bgs and groundwater flow is predicted to the south/southwest. An estimated seepage velocity for groundwater flow to the southwest was calculated at 0.0033 ft/day or 1.2 feet per year (ft/year).

The soil sample results indicated the presence of PCE in soil from TW-4 located on the adjacent package store property, near the former One Hour Martinizing Cleaners. The groundwater results indicate chlorinated VOCs exceeding Type I RRS were detected in all wells with the exception of TW-5 located north of the package store and TW-6 located adjacent to the Former Ocean Cleaners. The highest VOC concentrations were observed in TW-4 and included 6,900 µg/L of PCE, 180 µg/L of TCE, and 440 µg/L cis-1,2-DCE. The next highest PCE concentration was detected in TW-8 located southwest of TW-4. This data coupled with the previous findings suggests the presence of one continuous dissolved chlorinated VOC plume emanating from the off-site dry cleaner rather than two or more separate plumes from multiple sources, as previously predicted.

Based on these findings along with recent discussions with EPD, Envirorisk, on behalf of the Owner, requests a No Listing determination or a No Liability letter from the State (to include both the Owner and Wal-Mart East Stores, LP). Upon receipt of a No Listing or No Liability letter, all temporary wells will be removed and properly abandoned and the Owner will withdraw from the VRP.

6.0 SUMMARY OF PROFESSIONAL HOURS

In accordance with the Georgia VRPA, each progress report is to include a monthly summary of hours invoiced and a description of services. Below is a summary of hours for Kenneth C. Summerour, P.G. from the previous submittal (VRP application dated February 2012) to the present.

February 2012 (after VRP submittal)

Hours Invoiced: 6

Task: Field oversight, project management

March 2012

Hours Invoiced: 0

April 2012

Hours Invoiced: 24

Task: Field oversight, PG time, project management

May 2012

Hours Invoiced: 10

Task: Review of 1st Progress Report, data evaluation, project management

7.0 REFERENCES

BAT Associates, Inc., *Phase I Environmental Site Assessment of Bellemeade Shopping Center*, prepared for NDI Management & Development, Inc., July 11, 2005.

Cobb County Tax Assessor's Office, accessed online at www.cobbassessor.org, February 2012.

Clark & Zisa, *A Physiographic Map of Georgia*, Department of Natural Resources, Georgia Geologic Survey, 1976.

Contour Environmental, LLC, *Application for Limitation of Liability and Corrective Action Plan for Proposed Marietta SW Wal-Mart #97865* (currently Cobb County Government Center – 1150 Powder Springs Street), prepared for Wal-Mart Stores East, LP, December 31, 2007.

Contour Environmental, LLC, *Draft Water Well Use Survey*, prepared for Equitable Management Corporation, February 2, 2012.

Contour Environmental, LLC, Follow-up groundwater flow evaluation, laboratory data, and updated figures dated January 17-19, 2012.

Contour Environmental, LLC, *Limited Phase II Site Investigation – Proposed Wal-Mart Neighborhood Market #3060-00*, prepared for Wolverton & Associates, Inc., July 27, 2011.

Contour Environmental, LLC, *Phase I Environmental Site Assessment – Proposed Wal-Mart Neighborhood Market #3060-00*, prepared for Wolverton & Associates, Inc., April 5, 2011.

Crawford & Higgins, et.al., *Geologic Map of Georgia*, Department of Natural Resources, Geologic and Water Resources Division, Georgia Geologic Survey, 1999.

Envirorisk Consultants, Inc., *Voluntary Remediation Plan Application*, February 20, 2012.

Georgia Department of Natural Resources, *Groundwater Pollution Susceptibility Map of Georgia*, 1992.

Georgia Department of Natural Resources, *Georgia Voluntary Remediation Program Act*, Part 3, Code Section 12-8-105.

Georgia Environmental Protection Division, *Rules for Hazardous Site Response*, Appendix I, Chapter 391-3-19.

Higgins, M.W., *The Geology of the Brevard Lineament near Atlanta*, Georgia Geological Survey Bulletin 77, p. 49, 1966.

MACTEC Engineering and Consulting, Inc., *Brownfield Compliance Status Report for Powder Springs Station Shopping Center* (currently Cobb County Government Center–1150 Powder Springs Street), September 2009 (selections of report was copied from EPD files).

McConnell, K. & Abrams, C., *Geology of Greater Atlanta Region*, Bulletin 96, Department of Natural Resources, Georgia Geologic Survey, 1984.

Tanner, J.D., et al, *Geologic Map of Georgia*, Department of Natural Resources.

United States Geologic Survey, Marietta, Georgia Quadrangle Map.



Figure 1. Site Location Map



Envirorisk Consultants, Inc.
PO Box 945
Grayson, GA 30017

LEGEND:
Adapted from Bing Maps
(2011)
Scale: 1 inch = 285 feet

1st Progress Report
Bellemeade Shopping Center
1131-1167 Powder Springs Street
Marietta, Cobb County, GA 30064

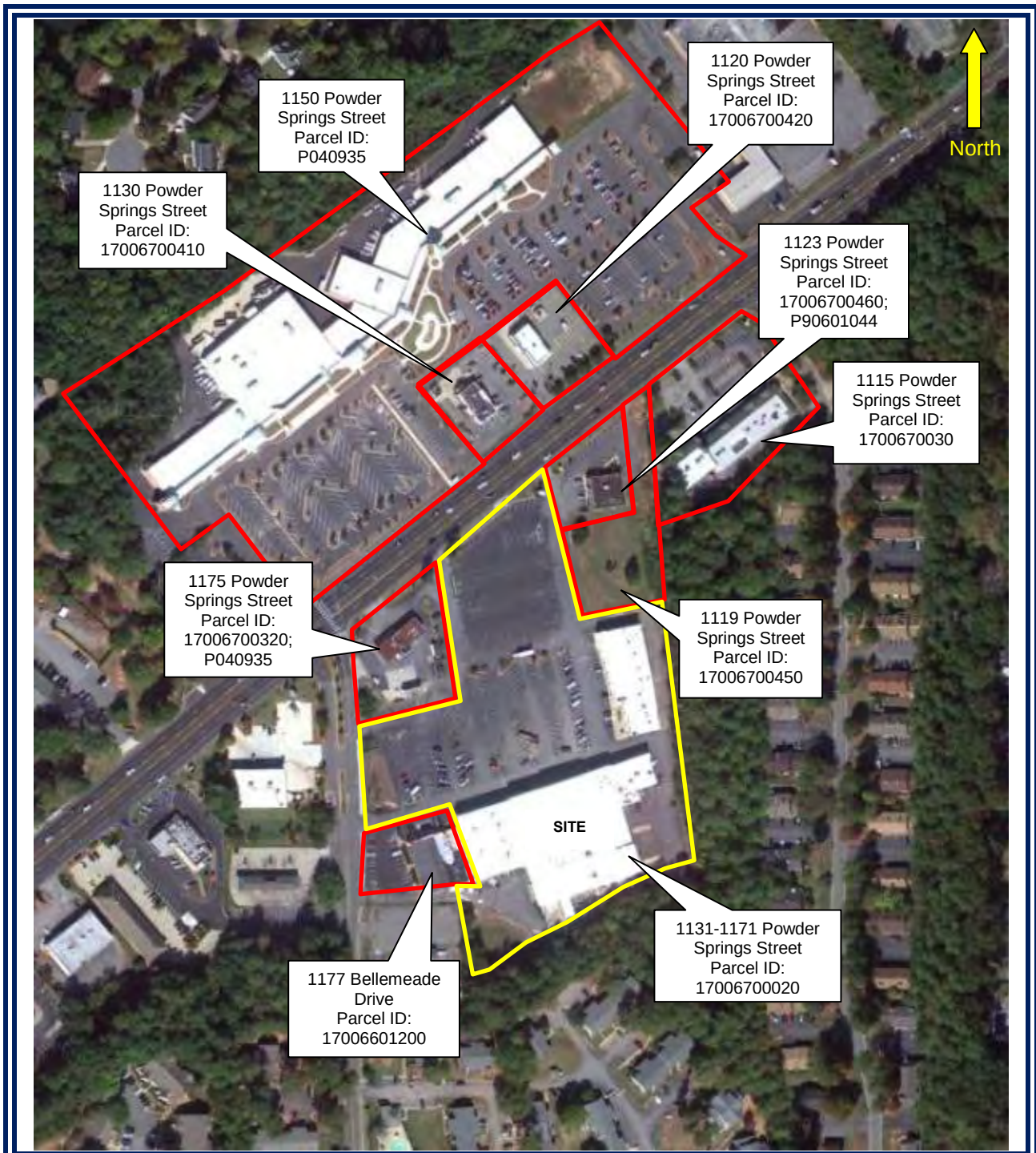


Figure 2. Tax Plat Map



Envirorisk Consultants, Inc.
PO Box 945
Grayson, GA 30017

LEGEND:
Adapted from Bing Maps (2011) and Cobb
County Tax Assessor (accessed online)
Yellow Outline = Site Tax Parcel
Red Outline = Surrounding Property Tax
Parcels
Scale: 1 inch = 275 feet

1st Progress Report
Bellemeade Shopping Center
1131-1167 Powder Springs Street
Marietta, Cobb County, GA 30064

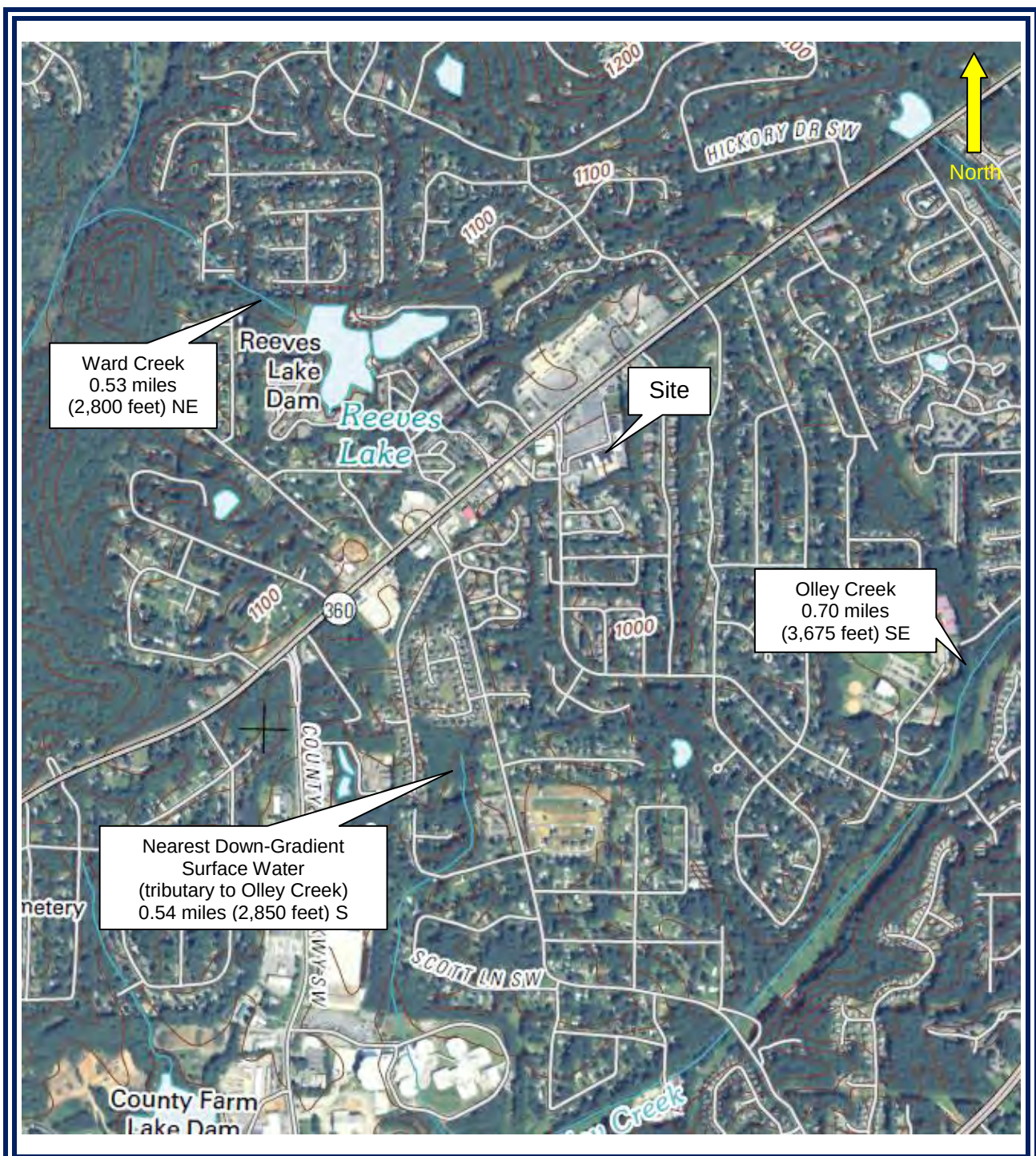


Figure 3. Site Topographic Map



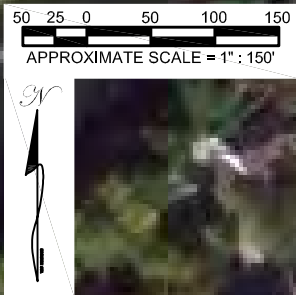
EnviroRisk Consultants, Inc.
PO Box 945
Grayson, GA 30017

LEGEND

Source: USGS Marietta, GA
Quadrangle Map, 7.5 Minute Series
2011 Digital Version
Scale: 1 inch = 1,365 feet

1st Progress Report

Bellemeade Shopping Center
1131-1167 Powder Springs Street
Marietta, Cobb County, GA 30064



LEGEND & NOTES

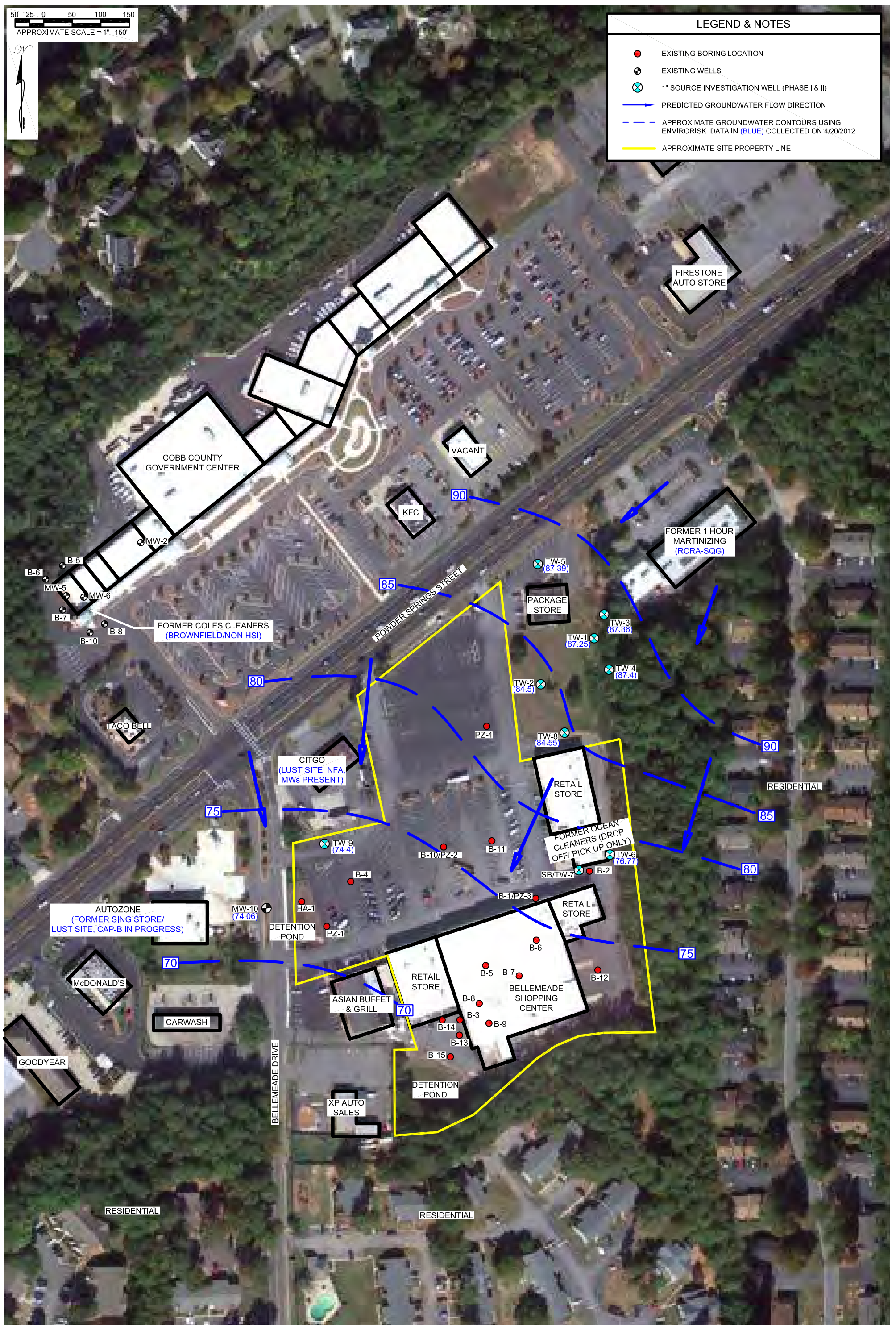
EXISTING BORING LOCATION

EXISTING WELLS

1" SOURCE INVESTIGATION WELL (PHASE I & II)

APPROXIMATE SITE PROPERTY LINE





LEGEND & NOTES

EXISTING BORING LOCATION

EXISTING WELLS



LEGEND & NOTES

EXISTING BORING LOCATION

EXISTING WELLS

1" SOURCE INVESTIGATION WELL (PHASE I & II)

APPROXIMATE SITE PROPERTY LINE

BRL - BELOW LABORATORY REPORTING LIMITS

NS - NOT SAMPLED

SOIL SAMPLE RESULTS ARE SHOWN IN BLUE HIGHLIGHTED IN YELLOW COLLECTED BY ENVIRORISK CONSULTANTS, REPORTED IN mg/kg (4/5/12).

SOIL SAMPLES SHOWN IN GREEN WERE ALSO COLLECTED BY CONTOUR ENVIRONMENTAL, REPORTED IN mg/kg (6/1/11, 7/7/11 & 1/12/11).

SEDIMENT SAMPLE SHOWN IN BLUE WAS COLLECTED BY CONTOUR ENVIRONMENTAL, REPORTED IN mg/kg (7/7/11).

cis-1,2-DCE = cis-1,2-DICHLOROETHENE
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
SVOCs = SEMI-VOLATILE ORGANIC COMPOUNDS
MTBE = METHYL TERT-BUTYL ETHER

CONTAMINATED SOIL AROUND B-3 WAS REMOVED.

ALL REPORTED CONCENTRATIONS ARE BELOW TYPE 1 RRS.

FIGURE NO

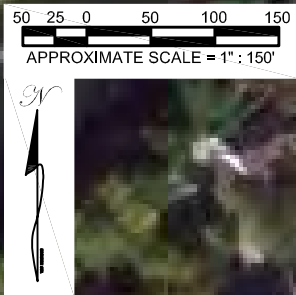
6

BELLEMEADE SHOPPING CENTER
1131-1167 POWDER SPRINGS STREET
MARIETTA, COBB COUNTY, GEORGIA 30064

SOIL CONCENTRATION MAP

DATE: 5/15/12
DWN. ADL
CHKD. KP
APPR. KCS

ENVIRORISK
CONSULTANTS, INC.



LEGEND & NOTES

EXISTING BORING LOCATION

EXISTING WELLS

1" SOURCE INVESTIGATION WELL (PHASE I & II)

APPROXIMATE SITE PROPERTY LINE

CONTOURS LINES SHOWING EXTENT OF PCE ON COLE CLEANERS SITE

BRL - BELOW LABORATORY REPORTING LIMITS

NS - NOT SAMPLED

GROUNDWATER SAMPLES HIGHLIGHTED **YELLOW** COLLECTED BY ENVIRORISK CONSULTANTS, REPORTED IN ug/L (4/6/12).

GROUNDWATER SAMPLES SHOWN IN **RED** COLLECTED BY CONTOUR ENVIRONMENTAL, REPORTED IN ug/L (1/16/12 & 1/17/12).

PCE GROUNDWATER SAMPLES SHOWN IN **GREEN** WERE COLLECTED BY MACTEC CONSULTING, REPORTED IN ug/L (8/2009).

SAMPLE RESULTS HIGHLIGHTED IN **RED** EXCEED TYPE 1 RRS.

cis-1,2-DCE = cis-1,2-DICHLOROETHENE
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
SVOCs = SEMI-VOLATILE ORGANIC COMPOUNDS
MTBE = METHYL TERT-BUTYL ETHER

* MTBE, BENZENE, & m,p-XYLENES ARE ATTRIBUTED TO A GASOLINE RELEASE FROM THE ADJACENT AUTOZONE AND ARE NOT REGULATED UNDER HSRA.

FIGURE NO

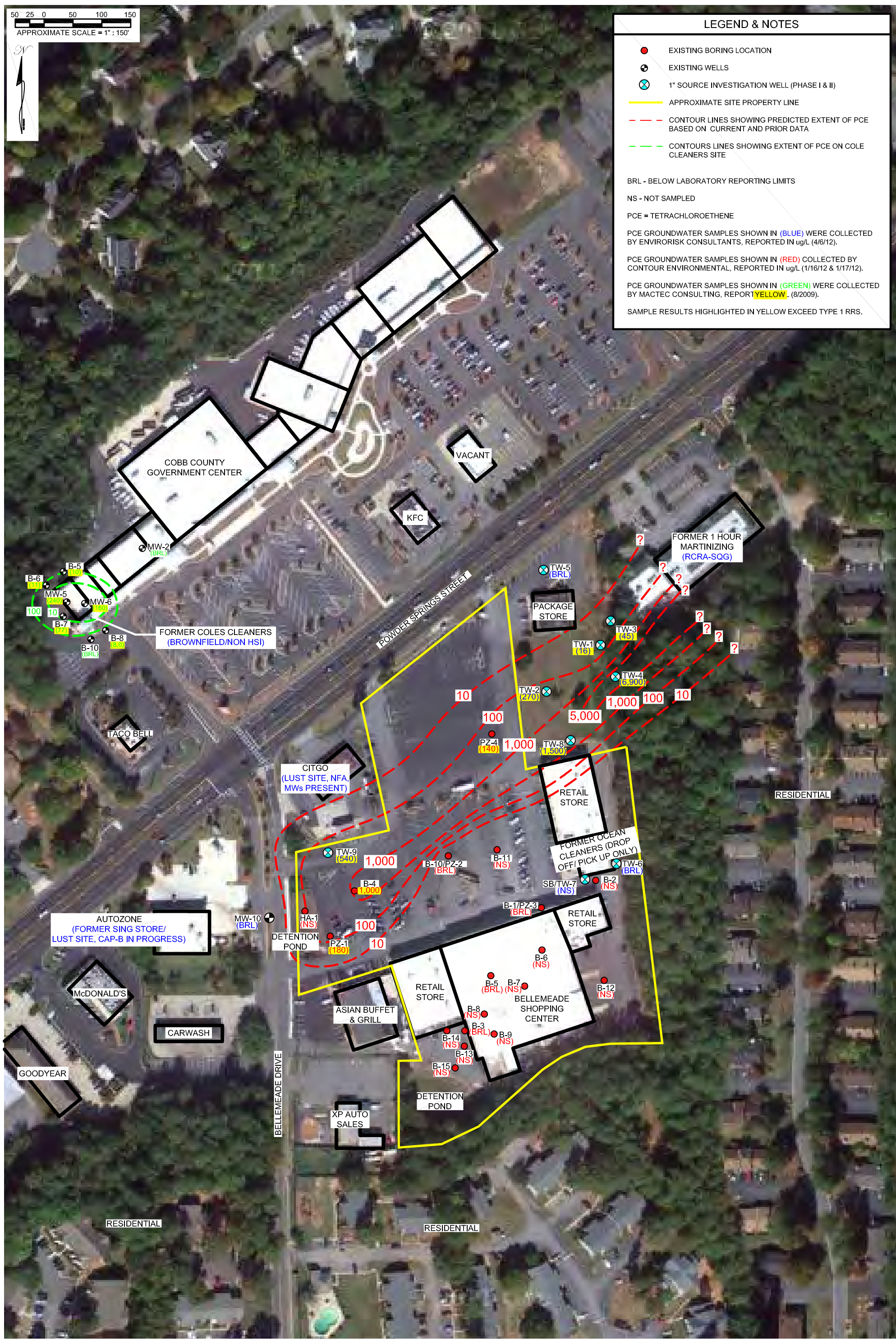
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BELLEMEADE SHOPPING CENTER
1131-1167 POWDER SPRINGS STREET
MARIETTA, COBB COUNTY, GEORGIA 30064

GROUNDWATER CONCENTRATION MAP

DATE: 5/15/12
DWN. ADL
CHKD. KP
APPR. KCS

ENVIRORISK
CONSULTANTS, INC.



LEGEND & NOTES

●

EXISTING BORING LOCATION

⊙

EXISTING WELLS

⊗

1" SOURCE INVESTIGATION WELL (PHASE I & II)

—

APPROXIMATE SITE PROPERTY LINE

CONTOUR LINES SHOWING PREDICTED EXTENT OF PCE BASED ON CURRENT AND PRIOR DATA

CONTOURS LINES SHOWING EXTENT OF PCE ON COLE CLEANERS SITE

BRL - BELOW LABORATORY REPORTING LIMITS

NS - NOT SAMPLED

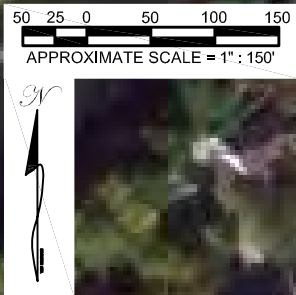
PCE = TETRACHLOROETHENE

PCE GROUNDWATER SAMPLES SHOWN IN (BLUE) WERE COLLECTED BY ENVIRORISK CONSULTANTS, REPORTED IN ug/L (4/6/12).

PCE GROUNDWATER SAMPLES SHOWN IN (RED) COLLECTED BY CONTOUR ENVIRONMENTAL, REPORTED IN ug/L (1/16/12 & 1/17/12).

PCE GROUNDWATER SAMPLES SHOWN IN (GREEN) WERE COLLECTED BY MACTEC CONSULTING, REPORT **YELLOW** (8/2009).

SAMPLE RESULTS HIGHLIGHTED IN YELLOW EXCEED TYPE 1 RRS.



LEGEND & NOTES

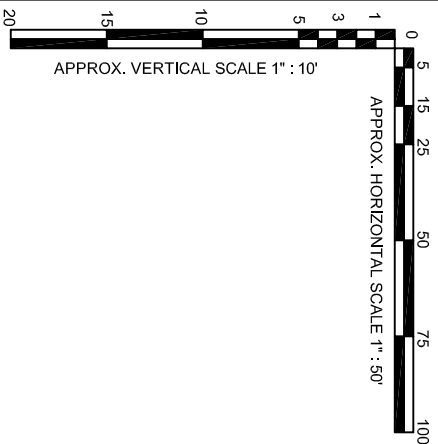
EXISTING BORING LOCATION

EXISTING WELLS

1" SOURCE INVESTIGATION WELL (PHASE I & II)

APPROXIMATE SITE PROPERTY LINE





- NOTES:
- BRL = BELOW REPORTING LIMITS
 - cis-1,2-DCE = cis-1,2-DICHLOROETHENE
 - PCE = TETRACHLOROETHENE
 - TCE = TRICHLOROETHENE
 - SVOCs = SEMI-VOLATILE ORGANIC COMPOUNDS
 - MTBE = METHYL TERT-BUTYL ETHER

LEGEND



BROWN REDDISH FILL SOIL MIXED WITH NATIVE SANDY CLAY
GREEN BROWN SANDY-SILTY/ SILTY-SAND SAPROLITE
PARTIALLY WEATHERED ROCK/ COMPETENT BEDROCK

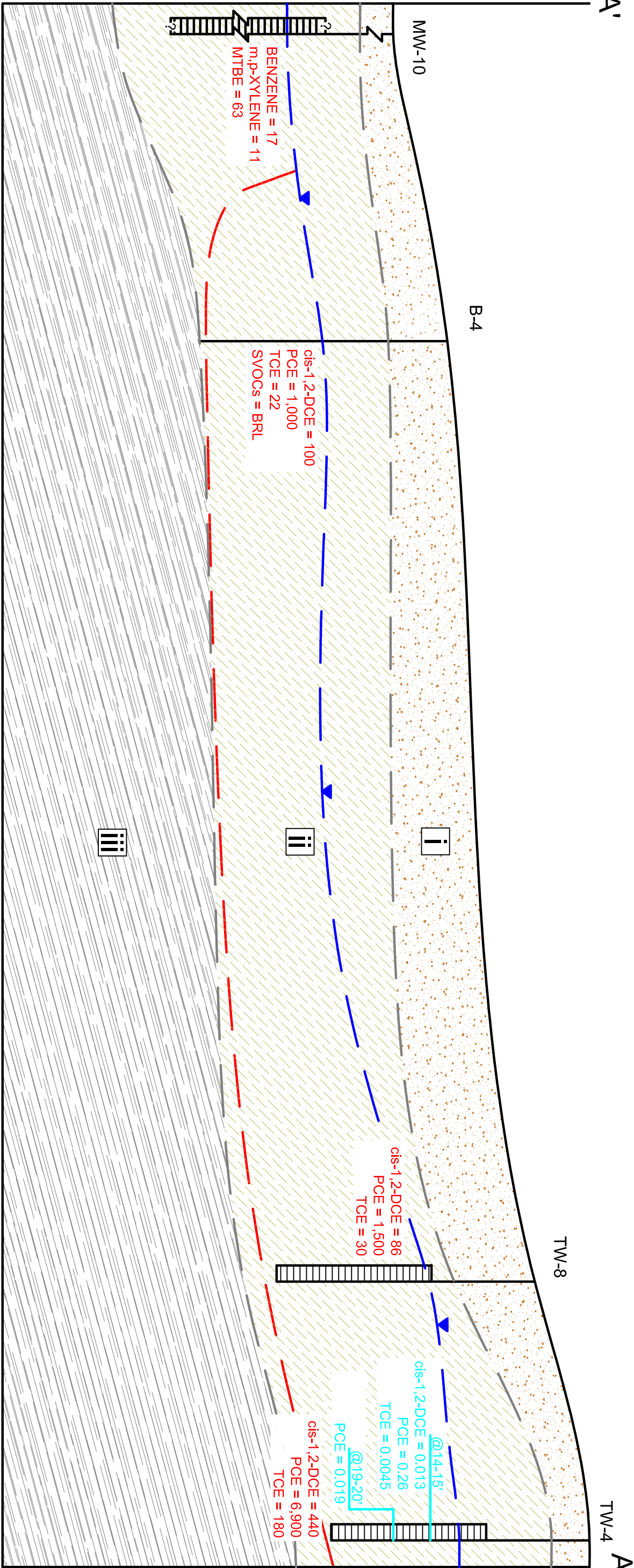
SOIL SAMPLE RESULTS REPORTED IN mg/kg:
ALL "B" BORINGS WERE SAMPLED BY CONTOUR ON 6/1/11, 7/7/11 & 1/12/11.
ALL "TW" WELLS WERE SAMPLED BY ENVIRORISK ON 4/5/12.

@19-20'
PCE = 0.019

GROUNDWATER SAMPLE RESULTS REPORTED IN ug/L:
ALL "B" BORINGS WERE SAMPLED BY CONTOUR ON 1/16/12 & 1/17/12.
ALL "TW" WELLS WERE SAMPLED BY ENVIRORISK ON 4/6/12.

cis-1,2-DCE = 86
PCE = 1,500
TCE = 30

WATER LEVEL USING ENVIRORISK DATA COLLECTED ON 4/20/12
PREDICTED VERTICAL EXTENT OF CHLORINATED VOC PLUME



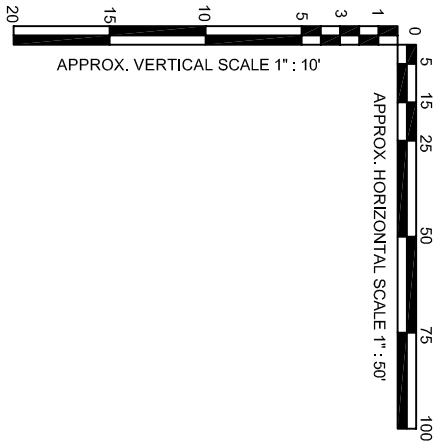
BELLEMEADE SHOPPING CENTER
1131-1167 POWDER SPRINGS STREET
MARIETTA, COBB COUNTY, GEORGIA 30064

GEOLOGIC CROSS SECTION A-A'

DATE: 5/15/12
DWN. ADL
CHKD. KP
APPR. KCS

ENVIRORISK
CONSULTANTS, INC.





NOTES:

BRL = BELOW REPORTING LIMITS

cis-1,2-DCE = cis-1,2-DICHLOROETHENE

PCE = TETRACHLOROETHENE

TCE = TRICHLOROETHENE

LEGEND & NOTES

- 

BROWN REDDISH FILL SOIL MIXED WITH NATIVE SANDY CLAY
- 

GREEN BROWN SANDY-SILTY/ SILTY-SAND SAPROLITE
- 

PARTIALLY WEATHERED ROCK/ COMPETENT BEDROCK
- SOIL SAMPLE RESULTS REPORTED IN mg/kg.

ALL "B" BORINGS WERE SAMPLED BY CONTOUR ON 6/1/11, 7/7/11 & 1/12/11.

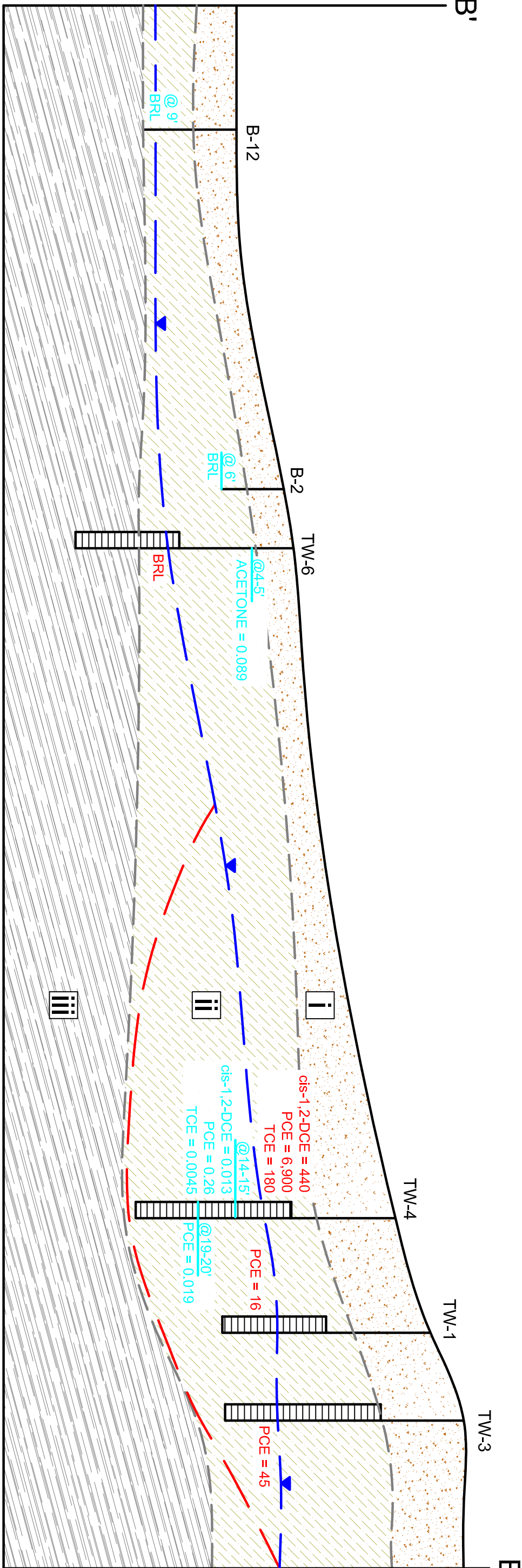
ALL "TW" WELLS WERE SAMPLED BY ENVIRORISK ON 4/5/12.
- @19'-20'**
PCE = 0.019

cis-1,2-DCE = 440
PCE = 6,900
TCE = 180

GROUNDWATER SAMPLE RESULTS REPORTED IN ug/L.

ALL "B" BORINGS WERE SAMPLED BY CONTOUR ON 1/16/12 & 1/17/12.

ALL "TW" WELLS WERE SAMPLED BY ENVIRORISK ON 4/6/12.
- WATER LEVEL USING ENVIRORISK DATA COLLECTED ON 4/20/12
- PREDICTED VERTICAL EXTENT OF CHLORINATED VOC PLUME



BELLEMEADE SHOPPING CENTER
1131-1167 POWDER SPRINGS STREET
MARIETTA, COBB COUNTY, GEORGIA 30064

GEOLOGIC CROSS SECTION B-B'

DATE: 5/15/12
DWN. ADL
CHKED. KP
APPR. KCS

ENVIRORISK
CONSULTANTS, INC.



Record of Communication	
Date:	April 2, 2012
Owner/Client:	Bellemeade Shopping Center
Recorded By:	Kim Phillips
Interviewee Name/Title:	Hal Cospo
Company:	City of Marietta
Nature of Interview:	History of Dry Cleaning Machine at Former Ocean Cleaners
Phone Number:	770-794-5651
Items Discussed	
I sent an email to Mr. Cospo on 3-28-12 that stated the following: <i>"Dear Mr. Cospo-</i> <i>I am conducting an environmental study on a property located at 1131-1167 Powder Springs Street in Marietta, GA. One suite on-site (#1153) is currently operating under the name Poplar Insurance; however, it was formerly a dry cleaner named Ocean Cleaners which operated there for about 10 years. I don't know the exact dates Ocean Cleaners was there, but definitely in 1997. I have attached a site map for your reference. Also, the parcel number based on Cobb County records is 17006700020.</i> <i>I am trying to find out where the previous dry cleaning machine was located. Is this something your records would have, or do you have any suggestions on how I could obtain this information? I have tried contacting the previous owner with no luck. Thank you."</i> Mr. Cospo called me on 4-2-12 to discuss his findings. He obtained a Building Permit from the City of Marietta dated 4-1-1992 for Ocean Cleaners. He stated the building permit said "no washing machines" listed- this includes dry cleaning machines. In addition, the bottom of the permit states "No SDF" (sewer development fee) which further indicates that the facility did not operate dry cleaning machines. Any business operating dry cleaning machines generating waste is required to pay this fee. He provided me a copy of the permit via fax. Mr. Cospo concluded that the site was likely just a drop-off and pick-up facility that did not operate any dry cleaning machines on-site.	



CITY OF MARIETTA BUILDING PERMIT

Local Fee		FILE COPY	DATE SUBMITTED 3-27-92	PERMIT NO. 07292
ADDRESS 1153 Powder Springs St.		PROJECT Ocean Cleaners		LOT OR SUITE
OWNER New York Life		CONTRACTOR Girish Patel		
S-		4848 Winslow Square Acworth - 30101 PHONE 984-0666		
DESCRIPTION ▶ RESIDENTIAL _____ NON-RESIDENTIAL ☒				
☐ NEW ☐ ADDITION ☐ ALTERATION ☐ REPAIR ☒ TEN. FINISH ☐ DEMOLISH				
1,000 Sq. Ft. To be used for Dry Cleaners in existing space - No washing machines -				
SIGNATURE <i>[Signature]</i>		COST \$8,000.00 FEE \$28.00		
THE PERSON SIGNING THIS PERMIT IS THE OWNER/CONTRACTOR OR AN AUTHORIZED AGENT, AND AGREES THAT ALL THE INFORMATION ABOVE IS CORRECT.				
APPROVAL				
BUSINESS LICENSE 92-26724		TAX DIST. 17 LL 67 2 PARCEL		
APPROVED BY <i>[Signature]</i> 3-27-92		FIRE DIST ☐ HISTORIC DISTRICT ☐		
PLANNING APPROVED BY <i>[Signature]</i> 3/27/92		BUILDING APPROVED BY <i>[Signature]</i> 3/31/92		
FIRE APPROVED BY <i>[Signature]</i> 3-30-92		ELECTRICAL APPROVED BY <i>[Signature]</i> 3-31-92		
FLOOD BOUNDARY IN ☐ OUT ☐		ENGINEERING <i>No SDF - existing space</i> <i>No washing machines -</i> APPROVED BY <i>[Signature]</i> 3-27-92		

ACCORDING TO THE FLOOD BOUNDARY AND FLOODWAY MAPS OF THE CITY OF MARIETTA AND/OR COBB COUNTY, THIS SITE APPEARS TO BE IN THE 100 YEAR FLOOD PLAIN.

IF THE PROPOSED STRUCTURE IS BUILT IN THE FLOOD PLAIN, THE LOWEST FLOOR INCLUDING BASEMENT OR CRAWL SPACE MUST BE BUILT 3 FEET ABOVE THE BASE FLOOD ELEVATION OF _____ ABOVE MEAN SEA LEVEL. WITHIN 21 DAYS OF THE COMPLETION OF THE LOWEST FLOOR, AN "AS BUILT" CERTIFICATION OF THE ELEVATION OF SAID FLOOR MUST BE SUBMITTED TO THE PUBLIC WORKS DIRECTOR. THE CERTIFICATION MUST BE PREPARED BY A REGISTERED PROFESSIONAL SURVEYOR OR ENGINEER.

IF THE STRUCTURE IS OUT OF THE FLOOD PLAIN, AN "AS BUILT" SURVEY CERTIFYING THAT THE STRUCTURE AND/OR PROPERTY IS NOT IN A 100 YEAR FLOOD PLAIN MUST BE SUBMITTED TO THE PUBLIC WORKS DIRECTOR BEFORE A CERTIFICATE OF OCCUPANCY IS ISSUED. THE SURVEY MUST BE PREPARED BY A REGISTERED PROFESSIONAL SURVEYOR.

HAVING AGREED TO CONFORM TO ALL LAWS GOVERNING THE DEPT. OF BUILDING INSPECTIONS, PERMISSION IS GRANTED YOU TO PERFORM THE ABOVE DESCRIBED CONSTRUCTION. IF CONSTRUCTION IS NOT BEGUN WITHIN 6 MONTHS, THE PERMIT IS VOID. NO DEVIATION FROM ORIGINAL APPROVED DRAWINGS AND/OR SPECIFICATIONS WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE BUILDING INSPECTOR. BUILDINGS MUST HAVE FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY BEFORE OCCUPYING.

RESIDENTIAL INSPECTOR 429-4261 / COMMERCIAL INSPECTOR 429-4271

BUILDING INSPECTOR

Arnold Rogers

DATE ISSUED

4/1/92

CX



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

April 16, 2012

Kenneth C. Summerour
Envirorisk Consultants
3335 Sweet Basil Lane
Loganville GA 30052

TEL: (770) 564-1444
FAX: (770) 923-1166

RE: Bellemeade Plaza

Dear Kenneth C. Summerour:

Order No: 1204583

Analytical Environmental Services, Inc. received 13 samples on 4/6/2012 2:35:00 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 07/01/11-06/30/12.
- AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

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.

James Forrest
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1204583

Date: 4/5 Page 1 of 2

COMPANY: ENVIRONMENTAL CUN.		ADDRESS: 795 ADAMS DR		ANALYSIS REQUESTED		Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.		No # of Containers	
PHONE: (770) 864-9789	FAX:	SIGNATURE:		PRESERVATION (See codes)		REMARKS			
SAMPLED BY: ADR	SAMPLE ID		SAMPLED	DATE	TIME	Grab	Composite	Matrix (See codes)	
#	1	Tw-4 @ 14-15'	4/5	12:10	SO	/	/	SO	
2	Tw-4 @ 19-20'	4/5	12:15	/	/	/	/	SO	
3	Tw-6 @ 24-5'	4/5	1:20	/	/	/	/	SO	
4	Tw-6 @ 9-10'	4/5	1:25	/	/	/	/	SO	
5	Tw-7 @ 3-4'	4/5	2:05	/	/	/	/	SO	
6	Tw-7 @ 8-9'	4/5	2:10	/	/	/	/	SO	
7	Tw-1	4/6	10:15	/	/	/	/	GW	
8	Tw-2	4/6	10:45	/	/	/	/	GW	
9	Tw-3	4/6	11:15	/	/	/	/	GW	
10	Tw-4	4/6	11:40	/	/	/	/	GW	
11	Tw-5	4/6	12:15	/	/	/	/	GW	
12	Tw-6	4/6	1:15	/	/	/	/	GW	
13	Tw-7	4/6	1:45	/	/	/	/	GW	
14	Tw-8	4/6	1:45	/	/	/	/	GW	
RELINQUISHED BY:	DATE/TIME: 4/6 2:35	RECEIVED BY:	DATE/TIME: 4/6 2:35	PROJECT INFORMATION					RECEIPT
1.				PROJECT NAME: BLUEMEADE FLA 8A.					Total # of Containers
2.				PROJECT #:					Turnaround Time Request
3.				SITE ADDRESS:					Standard 5 Business Days
				SEND REPORT TO:					2 Business Day Rush
				INVOICE TO:					Next Business Day Rush
				(IF DIFFERENT FROM ABOVE)					Same Day Rush (auth req.)
				QUOTE #:					Other
				PO #:					STATE PROGRAM (if any):
									E-mail? Y / N; Fax? Y / N
									DATA PACKAGE: I II III IV
SPECIAL INSTRUCTIONS/COMMENTS:									
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.									
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.									
MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water									
PRESERVATIVE CODES: H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None									

White Copy - Original; Yellow Copy - Client



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 004583

Date: Page 2 of 2

COMPANY: ENVIROTEST CON.		ADDRESS: 795 ADAMS DR.		ANALYSIS REQUESTED										Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.		No # of Containers		
PHONE: (7) 864-9789	FAX:	SIGNATURE: <i>[Signature]</i>		SAMPLED		DATE		TIME		Grab		Composite		Matrix (See codes)		REMARKS	No # of Containers	
SAMPLED BY: APL																		
#	SAMPLE ID	DATE		TIME		Grab		Composite		Matrix (See codes)		PRESERVATION (See codes)				REMARKS	No # of Containers	
1	TW-9	4/6		2:15		✓				GW								REMARKS
2	MW-10	4		9:30		✓				1						REMARKS	No # of Containers	
3																		REMARKS
4																REMARKS	No # of Containers	
5																		REMARKS
6																REMARKS	No # of Containers	
7																		REMARKS
8																REMARKS	No # of Containers	
9																		REMARKS
10																REMARKS	No # of Containers	
11																		REMARKS
12																REMARKS	No # of Containers	
13																		REMARKS
14																REMARKS	No # of Containers	
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 4/6 2:35	RECEIVED BY: <i>[Signature]</i>		DATE/TIME: 4/6 2:35		PROJECT INFORMATION												RECEIPT
1:		1:		PROJECT NAME: BELLEMEADE PLAZA												Total # of Containers		
2:		2:		PROJECT #:												Turnaround Time Request		
3:		3:		SITE ADDRESS:												Standard 5 Business Days		
				SEND REPORT TO:												2 Business Day Rush		
				INVOICE TO:												Next Business Day Rush		
				(IF DIFFERENT FROM ABOVE)												Same Day Rush (auth req.)		
				QUOTE #:												Other		
				SHIPMENT METHOD												STATE PROGRAM (if any):		
				OUT / / VIA:												E-mail? Y / N; Fax? Y / N		
				IN / / VIA:												DATA PACKAGE: I II III IV		
				CLIENT FedEx UPS MAIL COURIER														
				GREYHOUND OTHER														
SPECIAL INSTRUCTIONS/COMMENTS:		SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.																
		SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.																
		MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water																
		PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None																

White Copy - Original; Yellow Copy - Client

Client: Envirorisk Consultants
Project: Bellemeade Plaza
Lab ID: 1204583

Case Narrative

Volatile Organic Compounds Analysis by Method 8260B:

Tetrachloroethene value for sample 1204583-001A are "E" qualified indicating estimated values over linear calibration range. Sample was diluted and reanalyzed using the supplied methanol preserved sample at the minimum dilution allowed resulting in analytes being below reporting limits.

Analytical Environmental Services, Inc
Date: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-001

Client Sample ID: TW-4 @ 14-15'
Collection Date: 4/5/2012 12:10:00 PM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
1,1,1-Trichloroethane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
1,1,2,2-Tetrachloroethane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
1,1,2-Trichloroethane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
1,1-Dichloroethane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
1,1-Dichloroethene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
1,2,4-Trichlorobenzene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
1,2-Dibromo-3-chloropropane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
1,2-Dibromoethane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
1,2-Dichlorobenzene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
1,2-Dichloroethane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
1,2-Dichloropropane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
1,3-Dichlorobenzene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
1,4-Dichlorobenzene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
2-Butanone	BRL	39		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
2-Hexanone	BRL	7.8		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
4-Methyl-2-pentanone	BRL	7.8		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Acetone	BRL	78		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Benzene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Bromodichloromethane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Bromoform	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Bromomethane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Carbon disulfide	BRL	7.8		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Carbon tetrachloride	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Chlorobenzene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Chloroethane	BRL	7.8		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Chloroform	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Chloromethane	BRL	7.8		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
cis-1,2-Dichloroethene	13	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
cis-1,3-Dichloropropene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Cyclohexane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Dibromochloromethane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Dichlorodifluoromethane	BRL	7.8		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Ethylbenzene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Freon-113	BRL	7.8		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Isopropylbenzene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
m,p-Xylene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Methyl acetate	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Methyl tert-butyl ether	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Methylcyclohexane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Methylene chloride	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
o-Xylene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-001

Client Sample ID: TW-4 @ 14-15'
Collection Date: 4/5/2012 12:10:00 PM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
Styrene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Tetrachloroethene	260	3.9	E	ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Toluene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
trans-1,2-Dichloroethene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
trans-1,3-Dichloropropene	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Trichloroethene	4.5	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Trichlorofluoromethane	BRL	3.9		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Vinyl chloride	BRL	7.8		ug/Kg-dry	160042	1	04/12/2012 19:27	AR
Surr: 4-Bromofluorobenzene	99.8	56.5-134		%REC	160042	1	04/12/2012 19:27	AR
Surr: Dibromofluoromethane	101	71.8-135		%REC	160042	1	04/12/2012 19:27	AR
Surr: Toluene-d8	96	77.1-117		%REC	160042	1	04/12/2012 19:27	AR
PERCENT MOISTURE D2216								
Percent Moisture	21.4	0		wt%	R219043	1	04/12/2012 10:00	AS

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-002

Client Sample ID: TW-4 @ 19-20'
Collection Date: 4/5/2012 12:15:00 PM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
1,1,1-Trichloroethane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
1,1,2,2-Tetrachloroethane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
1,1,2-Trichloroethane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
1,1-Dichloroethane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
1,1-Dichloroethene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
1,2,4-Trichlorobenzene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
1,2-Dibromo-3-chloropropane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
1,2-Dibromoethane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
1,2-Dichlorobenzene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
1,2-Dichloroethane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
1,2-Dichloropropane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
1,3-Dichlorobenzene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
1,4-Dichlorobenzene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
2-Butanone	BRL	44		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
2-Hexanone	BRL	8.9		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
4-Methyl-2-pentanone	BRL	8.9		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Acetone	BRL	89		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Benzene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Bromodichloromethane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Bromoform	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Bromomethane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Carbon disulfide	BRL	8.9		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Carbon tetrachloride	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Chlorobenzene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Chloroethane	BRL	8.9		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Chloroform	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Chloromethane	BRL	8.9		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
cis-1,2-Dichloroethene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
cis-1,3-Dichloropropene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Cyclohexane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Dibromochloromethane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Dichlorodifluoromethane	BRL	8.9		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Ethylbenzene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Freon-113	BRL	8.9		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Isopropylbenzene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
m,p-Xylene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Methyl acetate	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Methyl tert-butyl ether	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Methylcyclohexane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Methylene chloride	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
o-Xylene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR

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: 16-Apr-12

Client: Envirorisk Consultants
 Project Name: Bellemeade Plaza
 Lab ID: 1204583-002

Client Sample ID: TW-4 @ 19-20'
 Collection Date: 4/5/2012 12:15:00 PM
 Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
Styrene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Tetrachloroethene	19	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Toluene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
trans-1,2-Dichloroethene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
trans-1,3-Dichloropropene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Trichloroethene	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Trichlorofluoromethane	BRL	4.4		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Vinyl chloride	BRL	8.9		ug/Kg-dry	160042	1	04/12/2012 17:40	AR
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	160042	1	04/12/2012 17:40	AR
Surr: Dibromofluoromethane	102	71.8-135		%REC	160042	1	04/12/2012 17:40	AR
Surr: Toluene-d8	95.5	77.1-117		%REC	160042	1	04/12/2012 17:40	AR
PERCENT MOISTURE D2216								
Percent Moisture	25.7	0		wt%	R219043	1	04/12/2012 10:00	AS

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-003

Client Sample ID: TW-6 @ 4-5'
Collection Date: 4/5/2012 1:20:00 PM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
1,1,1-Trichloroethane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
1,1,2,2-Tetrachloroethane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
1,1,2-Trichloroethane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
1,1-Dichloroethane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
1,1-Dichloroethene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
1,2,4-Trichlorobenzene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
1,2-Dibromo-3-chloropropane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
1,2-Dibromoethane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
1,2-Dichlorobenzene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
1,2-Dichloroethane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
1,2-Dichloropropane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
1,3-Dichlorobenzene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
1,4-Dichlorobenzene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
2-Butanone	BRL	43		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
2-Hexanone	BRL	8.5		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
4-Methyl-2-pentanone	BRL	8.5		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Acetone	89	85		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Benzene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Bromodichloromethane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Bromoform	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Bromomethane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Carbon disulfide	BRL	8.5		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Carbon tetrachloride	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Chlorobenzene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Chloroethane	BRL	8.5		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Chloroform	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Chloromethane	BRL	8.5		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
cis-1,2-Dichloroethene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
cis-1,3-Dichloropropene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Cyclohexane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Dibromochloromethane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Dichlorodifluoromethane	BRL	8.5		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Ethylbenzene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Freon-113	BRL	8.5		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Isopropylbenzene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
m,p-Xylene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Methyl acetate	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Methyl tert-butyl ether	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Methylcyclohexane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Methylene chloride	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
o-Xylene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-003

Client Sample ID: TW-6 @ 4-5'
Collection Date: 4/5/2012 1:20:00 PM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
Styrene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Tetrachloroethene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Toluene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
trans-1,2-Dichloroethene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
trans-1,3-Dichloropropene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Trichloroethene	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Trichlorofluoromethane	BRL	4.3		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Vinyl chloride	BRL	8.5		ug/Kg-dry	160042	1	04/12/2012 18:07	AR
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	160042	1	04/12/2012 18:07	AR
Surr: Dibromofluoromethane	100	71.8-135		%REC	160042	1	04/12/2012 18:07	AR
Surr: Toluene-d8	94.8	77.1-117		%REC	160042	1	04/12/2012 18:07	AR
PERCENT MOISTURE D2216								
Percent Moisture	10.9	0		wt%	R219043	1	04/12/2012 10:00	AS

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-005

Client Sample ID: TW-7 @ 3-4'
Collection Date: 4/5/2012 2:05:00 PM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
1,1,1-Trichloroethane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
1,1,2,2-Tetrachloroethane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
1,1,2-Trichloroethane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
1,1-Dichloroethane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
1,1-Dichloroethene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
1,2,4-Trichlorobenzene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
1,2-Dibromo-3-chloropropane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
1,2-Dibromoethane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
1,2-Dichlorobenzene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
1,2-Dichloroethane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
1,2-Dichloropropane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
1,3-Dichlorobenzene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
1,4-Dichlorobenzene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
2-Butanone	BRL	37		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
2-Hexanone	BRL	7.3		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
4-Methyl-2-pentanone	BRL	7.3		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Acetone	BRL	73		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Benzene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Bromodichloromethane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Bromoform	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Bromomethane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Carbon disulfide	BRL	7.3		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Carbon tetrachloride	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Chlorobenzene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Chloroethane	BRL	7.3		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Chloroform	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Chloromethane	BRL	7.3		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
cis-1,2-Dichloroethene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
cis-1,3-Dichloropropene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Cyclohexane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Dibromochloromethane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Dichlorodifluoromethane	BRL	7.3		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Ethylbenzene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Freon-113	BRL	7.3		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Isopropylbenzene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
m,p-Xylene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Methyl acetate	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Methyl tert-butyl ether	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Methylcyclohexane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Methylene chloride	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
o-Xylene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-005

Client Sample ID: TW-7 @ 3-4'
Collection Date: 4/5/2012 2:05:00 PM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
Styrene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Tetrachloroethene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Toluene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
trans-1,2-Dichloroethene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
trans-1,3-Dichloropropene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Trichloroethene	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Trichlorofluoromethane	BRL	3.7		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Vinyl chloride	BRL	7.3		ug/Kg-dry	160042	1	04/12/2012 19:00	AR
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	160042	1	04/12/2012 19:00	AR
Surr: Dibromofluoromethane	104	71.8-135		%REC	160042	1	04/12/2012 19:00	AR
Surr: Toluene-d8	94.9	77.1-117		%REC	160042	1	04/12/2012 19:00	AR
PERCENT MOISTURE D2216								
Percent Moisture	6.10	0		wt%	R219043	1	04/12/2012 10:00	AS

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-007

Client Sample ID: TW-1
Collection Date: 4/6/2012 10:15:00 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	159984	1	04/09/2012 16:13	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
1,1-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
1,1-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
1,2-Dibromoethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
1,2-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
1,2-Dichloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
2-Butanone	BRL	50		ug/L	159984	1	04/09/2012 16:13	SB
2-Hexanone	BRL	10		ug/L	159984	1	04/09/2012 16:13	SB
4-Methyl-2-pentanone	BRL	10		ug/L	159984	1	04/09/2012 16:13	SB
Acetone	BRL	50		ug/L	159984	1	04/09/2012 16:13	SB
Benzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Bromodichloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Bromoform	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Bromomethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Carbon disulfide	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Carbon tetrachloride	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Chlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Chloroethane	BRL	10		ug/L	159984	1	04/09/2012 16:13	SB
Chloroform	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Chloromethane	BRL	10		ug/L	159984	1	04/09/2012 16:13	SB
cis-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Cyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Dibromochloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Dichlorodifluoromethane	BRL	10		ug/L	159984	1	04/09/2012 16:13	SB
Ethylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Freon-113	BRL	10		ug/L	159984	1	04/09/2012 16:13	SB
Isopropylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
m,p-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Methyl acetate	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Methylcyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Methylene chloride	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
o-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB

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: 16-Apr-12

Client:	Envirorisk Consultants	Client Sample ID:	TW-1
Project Name:	Bellemeade Plaza	Collection Date:	4/6/2012 10:15:00 AM
Lab ID:	1204583-007	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	159984	1	04/09/2012 16:13	SB
Tetrachloroethene	16	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Toluene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Trichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Trichlorofluoromethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:13	SB
Vinyl chloride	BRL	2.0		ug/L	159984	1	04/09/2012 16:13	SB
Surr: 4-Bromofluorobenzene	93.8	67.4-123		%REC	159984	1	04/09/2012 16:13	SB
Surr: Dibromofluoromethane	106	75.5-128		%REC	159984	1	04/09/2012 16:13	SB
Surr: Toluene-d8	96.2	70-120		%REC	159984	1	04/09/2012 16:13	SB

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-008

Client Sample ID: TW-2
Collection Date: 4/6/2012 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	159984	1	04/09/2012 16:42	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
1,1-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
1,1-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
1,2-Dibromoethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
1,2-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
1,2-Dichloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
2-Butanone	BRL	50		ug/L	159984	1	04/09/2012 16:42	SB
2-Hexanone	BRL	10		ug/L	159984	1	04/09/2012 16:42	SB
4-Methyl-2-pentanone	BRL	10		ug/L	159984	1	04/09/2012 16:42	SB
Acetone	BRL	50		ug/L	159984	1	04/09/2012 16:42	SB
Benzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Bromodichloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Bromoform	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Bromomethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Carbon disulfide	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Carbon tetrachloride	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Chlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Chloroethane	BRL	10		ug/L	159984	1	04/09/2012 16:42	SB
Chloroform	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Chloromethane	BRL	10		ug/L	159984	1	04/09/2012 16:42	SB
cis-1,2-Dichloroethene	17	5.0		ug/L	159984	1	04/09/2012 16:42	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Cyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Dibromochloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Dichlorodifluoromethane	BRL	10		ug/L	159984	1	04/09/2012 16:42	SB
Ethylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Freon-113	BRL	10		ug/L	159984	1	04/09/2012 16:42	SB
Isopropylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
m,p-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Methyl acetate	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Methylcyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Methylene chloride	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
o-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-008

Client Sample ID: TW-2
Collection Date: 4/6/2012 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	159984	1	04/09/2012 16:42	SB
Tetrachloroethene	270	50		ug/L	159984	10	04/10/2012 13:10	SB
Toluene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Trichloroethene	7.5	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Trichlorofluoromethane	BRL	5.0		ug/L	159984	1	04/09/2012 16:42	SB
Vinyl chloride	BRL	2.0		ug/L	159984	1	04/09/2012 16:42	SB
Surr: 4-Bromofluorobenzene	91.5	67.4-123		%REC	159984	10	04/10/2012 13:10	SB
Surr: 4-Bromofluorobenzene	92.4	67.4-123		%REC	159984	1	04/09/2012 16:42	SB
Surr: Dibromofluoromethane	95.4	75.5-128		%REC	159984	1	04/09/2012 16:42	SB
Surr: Dibromofluoromethane	106	75.5-128		%REC	159984	10	04/10/2012 13:10	SB
Surr: Toluene-d8	86.5	70-120		%REC	159984	1	04/09/2012 16:42	SB
Surr: Toluene-d8	94.8	70-120		%REC	159984	10	04/10/2012 13:10	SB

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-009

Client Sample ID: TW-3
Collection Date: 4/6/2012 11:15:00 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	159984	1	04/09/2012 19:32	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
1,1-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
1,1-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
1,2-Dibromoethane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
1,2-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
1,2-Dichloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
2-Butanone	BRL	50		ug/L	159984	1	04/09/2012 19:32	SB
2-Hexanone	BRL	10		ug/L	159984	1	04/09/2012 19:32	SB
4-Methyl-2-pentanone	BRL	10		ug/L	159984	1	04/09/2012 19:32	SB
Acetone	BRL	50		ug/L	159984	1	04/09/2012 19:32	SB
Benzene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Bromodichloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Bromoform	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Bromomethane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Carbon disulfide	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Carbon tetrachloride	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Chlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Chloroethane	BRL	10		ug/L	159984	1	04/09/2012 19:32	SB
Chloroform	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Chloromethane	BRL	10		ug/L	159984	1	04/09/2012 19:32	SB
cis-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Cyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Dibromochloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Dichlorodifluoromethane	BRL	10		ug/L	159984	1	04/09/2012 19:32	SB
Ethylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Freon-113	BRL	10		ug/L	159984	1	04/09/2012 19:32	SB
Isopropylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
m,p-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Methyl acetate	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Methylcyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Methylene chloride	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
o-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-009

Client Sample ID: TW-3
Collection Date: 4/6/2012 11:15:00 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	159984	1	04/09/2012 19:32	SB
Tetrachloroethene	45	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Toluene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Trichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Trichlorofluoromethane	BRL	5.0		ug/L	159984	1	04/09/2012 19:32	SB
Vinyl chloride	BRL	2.0		ug/L	159984	1	04/09/2012 19:32	SB
Surr: 4-Bromofluorobenzene	93.9	67.4-123		%REC	159984	1	04/09/2012 19:32	SB
Surr: Dibromofluoromethane	110	75.5-128		%REC	159984	1	04/09/2012 19:32	SB
Surr: Toluene-d8	92.7	70-120		%REC	159984	1	04/09/2012 19:32	SB

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-010

Client Sample ID: TW-4
Collection Date: 4/6/2012 11:40:00 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	159984	1	04/09/2012 20:01	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
1,1-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
1,1-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
1,2-Dibromoethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
1,2-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
1,2-Dichloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
2-Butanone	BRL	50		ug/L	159984	1	04/09/2012 20:01	SB
2-Hexanone	BRL	10		ug/L	159984	1	04/09/2012 20:01	SB
4-Methyl-2-pentanone	BRL	10		ug/L	159984	1	04/09/2012 20:01	SB
Acetone	BRL	50		ug/L	159984	1	04/09/2012 20:01	SB
Benzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Bromodichloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Bromoform	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Bromomethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Carbon disulfide	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Carbon tetrachloride	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Chlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Chloroethane	BRL	10		ug/L	159984	1	04/09/2012 20:01	SB
Chloroform	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Chloromethane	BRL	10		ug/L	159984	1	04/09/2012 20:01	SB
cis-1,2-Dichloroethene	440	250		ug/L	159984	50	04/10/2012 18:28	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Cyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Dibromochloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Dichlorodifluoromethane	BRL	10		ug/L	159984	1	04/09/2012 20:01	SB
Ethylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Freon-113	BRL	10		ug/L	159984	1	04/09/2012 20:01	SB
Isopropylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
m,p-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Methyl acetate	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Methylcyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Methylene chloride	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
o-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB

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: 16-Apr-12

Client: Envirorisk Consultants
 Project Name: Bellemeade Plaza
 Lab ID: 1204583-010

Client Sample ID: TW-4
 Collection Date: 4/6/2012 11:40:00 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	159984	1	04/09/2012 20:01	SB
Tetrachloroethene	6900	250		ug/L	159984	50	04/10/2012 18:28	SB
Toluene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Trichloroethene	180	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Trichlorofluoromethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:01	SB
Vinyl chloride	BRL	2.0		ug/L	159984	1	04/09/2012 20:01	SB
Surr: 4-Bromofluorobenzene	90.5	67.4-123		%REC	159984	50	04/10/2012 18:28	SB
Surr: 4-Bromofluorobenzene	93.1	67.4-123		%REC	159984	1	04/09/2012 20:01	SB
Surr: Dibromofluoromethane	94.5	75.5-128		%REC	159984	50	04/10/2012 18:28	SB
Surr: Dibromofluoromethane	110	75.5-128		%REC	159984	1	04/09/2012 20:01	SB
Surr: Toluene-d8	89.8	70-120		%REC	159984	50	04/10/2012 18:28	SB
Surr: Toluene-d8	97.4	70-120		%REC	159984	1	04/09/2012 20:01	SB

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-011

Client Sample ID: TW-5
Collection Date: 4/6/2012 12:15:00 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	159984	1	04/10/2012 10:48	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
1,1-Dichloroethane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
1,1-Dichloroethene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
1,2-Dibromoethane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
1,2-Dichloroethane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
1,2-Dichloropropane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
2-Butanone	BRL	50		ug/L	159984	1	04/10/2012 10:48	SB
2-Hexanone	BRL	10		ug/L	159984	1	04/10/2012 10:48	SB
4-Methyl-2-pentanone	BRL	10		ug/L	159984	1	04/10/2012 10:48	SB
Acetone	BRL	50		ug/L	159984	1	04/10/2012 10:48	SB
Benzene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Bromodichloromethane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Bromoform	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Bromomethane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Carbon disulfide	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Carbon tetrachloride	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Chlorobenzene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Chloroethane	BRL	10		ug/L	159984	1	04/10/2012 10:48	SB
Chloroform	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Chloromethane	BRL	10		ug/L	159984	1	04/10/2012 10:48	SB
cis-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Cyclohexane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Dibromochloromethane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Dichlorodifluoromethane	BRL	10		ug/L	159984	1	04/10/2012 10:48	SB
Ethylbenzene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Freon-113	BRL	10		ug/L	159984	1	04/10/2012 10:48	SB
Isopropylbenzene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
m,p-Xylene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Methyl acetate	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Methylcyclohexane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Methylene chloride	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
o-Xylene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB

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: 16-Apr-12

Client:	Envirorisk Consultants	Client Sample ID:	TW-5
Project Name:	Bellemeade Plaza	Collection Date:	4/6/2012 12:15:00 PM
Lab ID:	1204583-011	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Tetrachloroethene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Toluene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Trichloroethene	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Trichlorofluoromethane	BRL	5.0		ug/L	159984	1	04/10/2012 10:48	SB
Vinyl chloride	BRL	2.0		ug/L	159984	1	04/10/2012 10:48	SB
Surr: 4-Bromofluorobenzene	94.1	67.4-123		%REC	159984	1	04/10/2012 10:48	SB
Surr: Dibromofluoromethane	105	75.5-128		%REC	159984	1	04/10/2012 10:48	SB
Surr: Toluene-d8	94.9	70-120		%REC	159984	1	04/10/2012 10:48	SB

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-012

Client Sample ID: TW-6
Collection Date: 4/6/2012 1:15:00 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	159984	1	04/09/2012 20:57	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
1,1-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
1,1-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
1,2-Dibromoethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
1,2-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
1,2-Dichloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
2-Butanone	BRL	50		ug/L	159984	1	04/09/2012 20:57	SB
2-Hexanone	BRL	10		ug/L	159984	1	04/09/2012 20:57	SB
4-Methyl-2-pentanone	BRL	10		ug/L	159984	1	04/09/2012 20:57	SB
Acetone	BRL	50		ug/L	159984	1	04/09/2012 20:57	SB
Benzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Bromodichloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Bromoform	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Bromomethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Carbon disulfide	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Carbon tetrachloride	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Chlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Chloroethane	BRL	10		ug/L	159984	1	04/09/2012 20:57	SB
Chloroform	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Chloromethane	BRL	10		ug/L	159984	1	04/09/2012 20:57	SB
cis-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Cyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Dibromochloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Dichlorodifluoromethane	BRL	10		ug/L	159984	1	04/09/2012 20:57	SB
Ethylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Freon-113	BRL	10		ug/L	159984	1	04/09/2012 20:57	SB
Isopropylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
m,p-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Methyl acetate	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Methylcyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Methylene chloride	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
o-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB

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: 16-Apr-12

Client:	Envirorisk Consultants	Client Sample ID:	TW-6
Project Name:	Bellemeade Plaza	Collection Date:	4/6/2012 1:15:00 PM
Lab ID:	1204583-012	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	159984	1	04/09/2012 20:57	SB
Tetrachloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Toluene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Trichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Trichlorofluoromethane	BRL	5.0		ug/L	159984	1	04/09/2012 20:57	SB
Vinyl chloride	BRL	2.0		ug/L	159984	1	04/09/2012 20:57	SB
Surr: 4-Bromofluorobenzene	98.6	67.4-123		%REC	159984	1	04/09/2012 20:57	SB
Surr: Dibromofluoromethane	103	75.5-128		%REC	159984	1	04/09/2012 20:57	SB
Surr: Toluene-d8	87.1	70-120		%REC	159984	1	04/09/2012 20:57	SB

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-013

Client Sample ID: TW-8
Collection Date: 4/6/2012 1:45:00 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	159984	1	04/09/2012 21:25	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
1,1-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
1,1-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
1,2-Dibromoethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
1,2-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
1,2-Dichloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
2-Butanone	BRL	50		ug/L	159984	1	04/09/2012 21:25	SB
2-Hexanone	BRL	10		ug/L	159984	1	04/09/2012 21:25	SB
4-Methyl-2-pentanone	BRL	10		ug/L	159984	1	04/09/2012 21:25	SB
Acetone	BRL	50		ug/L	159984	1	04/09/2012 21:25	SB
Benzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Bromodichloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Bromoform	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Bromomethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Carbon disulfide	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Carbon tetrachloride	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Chlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Chloroethane	BRL	10		ug/L	159984	1	04/09/2012 21:25	SB
Chloroform	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Chloromethane	BRL	10		ug/L	159984	1	04/09/2012 21:25	SB
cis-1,2-Dichloroethene	86	5.0		ug/L	159984	1	04/09/2012 21:25	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Cyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Dibromochloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Dichlorodifluoromethane	BRL	10		ug/L	159984	1	04/09/2012 21:25	SB
Ethylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Freon-113	BRL	10		ug/L	159984	1	04/09/2012 21:25	SB
Isopropylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
m,p-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Methyl acetate	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Methylcyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Methylene chloride	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
o-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-013

Client Sample ID: TW-8
Collection Date: 4/6/2012 1:45:00 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	159984	1	04/09/2012 21:25	SB
Tetrachloroethene	1500	100		ug/L	159984	20	04/10/2012 12:14	SB
Toluene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Trichloroethene	30	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Trichlorofluoromethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:25	SB
Vinyl chloride	BRL	2.0		ug/L	159984	1	04/09/2012 21:25	SB
Surr: 4-Bromofluorobenzene	90	67.4-123		%REC	159984	1	04/09/2012 21:25	SB
Surr: 4-Bromofluorobenzene	91.8	67.4-123		%REC	159984	20	04/10/2012 12:14	SB
Surr: Dibromofluoromethane	107	75.5-128		%REC	159984	20	04/10/2012 12:14	SB
Surr: Dibromofluoromethane	107	75.5-128		%REC	159984	1	04/09/2012 21:25	SB
Surr: Toluene-d8	93.1	70-120		%REC	159984	1	04/09/2012 21:25	SB
Surr: Toluene-d8	94.6	70-120		%REC	159984	20	04/10/2012 12:14	SB

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-014

Client Sample ID: TW-9
Collection Date: 4/6/2012 2:15:00 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	159984	1	04/09/2012 21:53	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
1,1-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
1,1-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
1,2-Dibromoethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
1,2-Dichloroethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
1,2-Dichloropropane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
2-Butanone	BRL	50		ug/L	159984	1	04/09/2012 21:53	SB
2-Hexanone	BRL	10		ug/L	159984	1	04/09/2012 21:53	SB
4-Methyl-2-pentanone	BRL	10		ug/L	159984	1	04/09/2012 21:53	SB
Acetone	BRL	50		ug/L	159984	1	04/09/2012 21:53	SB
Benzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Bromodichloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Bromoform	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Bromomethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Carbon disulfide	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Carbon tetrachloride	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Chlorobenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Chloroethane	BRL	10		ug/L	159984	1	04/09/2012 21:53	SB
Chloroform	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Chloromethane	BRL	10		ug/L	159984	1	04/09/2012 21:53	SB
cis-1,2-Dichloroethene	49	5.0		ug/L	159984	1	04/09/2012 21:53	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Cyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Dibromochloromethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Dichlorodifluoromethane	BRL	10		ug/L	159984	1	04/09/2012 21:53	SB
Ethylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Freon-113	BRL	10		ug/L	159984	1	04/09/2012 21:53	SB
Isopropylbenzene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
m,p-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Methyl acetate	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Methylcyclohexane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Methylene chloride	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
o-Xylene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB

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: 16-Apr-12

Client:	Envirorisk Consultants	Client Sample ID:	TW-9
Project Name:	Bellemeade Plaza	Collection Date:	4/6/2012 2:15:00 PM
Lab ID:	1204583-014	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Tetrachloroethene	540	50		ug/L	159984	10	04/10/2012 12:42	SB
Toluene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Trichloroethene	12	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Trichlorofluoromethane	BRL	5.0		ug/L	159984	1	04/09/2012 21:53	SB
Vinyl chloride	BRL	2.0		ug/L	159984	1	04/09/2012 21:53	SB
Surr: 4-Bromofluorobenzene	89.7	67.4-123		%REC	159984	1	04/09/2012 21:53	SB
Surr: 4-Bromofluorobenzene	90.4	67.4-123		%REC	159984	10	04/10/2012 12:42	SB
Surr: Dibromofluoromethane	103	75.5-128		%REC	159984	10	04/10/2012 12:42	SB
Surr: Dibromofluoromethane	111	75.5-128		%REC	159984	1	04/09/2012 21:53	SB
Surr: Toluene-d8	89.1	70-120		%REC	159984	1	04/09/2012 21:53	SB
Surr: Toluene-d8	88.5	70-120		%REC	159984	10	04/10/2012 12:42	SB

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: 16-Apr-12

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Lab ID: 1204583-015

Client Sample ID: MW-10
Collection Date: 4/6/2012 9:30:00 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	159984	1	04/10/2012 13:39	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
1,1-Dichloroethane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
1,1-Dichloroethene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
1,2-Dibromoethane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
1,2-Dichloroethane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
1,2-Dichloropropane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
2-Butanone	BRL	50		ug/L	159984	1	04/10/2012 13:39	SB
2-Hexanone	BRL	10		ug/L	159984	1	04/10/2012 13:39	SB
4-Methyl-2-pentanone	BRL	10		ug/L	159984	1	04/10/2012 13:39	SB
Acetone	BRL	50		ug/L	159984	1	04/10/2012 13:39	SB
Benzene	17	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Bromodichloromethane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Bromoform	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Bromomethane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Carbon disulfide	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Carbon tetrachloride	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Chlorobenzene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Chloroethane	BRL	10		ug/L	159984	1	04/10/2012 13:39	SB
Chloroform	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Chloromethane	BRL	10		ug/L	159984	1	04/10/2012 13:39	SB
cis-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Cyclohexane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Dibromochloromethane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Dichlorodifluoromethane	BRL	10		ug/L	159984	1	04/10/2012 13:39	SB
Ethylbenzene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Freon-113	BRL	10		ug/L	159984	1	04/10/2012 13:39	SB
Isopropylbenzene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
m,p-Xylene	11	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Methyl acetate	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Methyl tert-butyl ether	63	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Methylcyclohexane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Methylene chloride	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
o-Xylene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB

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: 16-Apr-12

Client:	Envirorisk Consultants	Client Sample ID:	MW-10
Project Name:	Bellemeade Plaza	Collection Date:	4/6/2012 9:30:00 AM
Lab ID:	1204583-015	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	159984	1	04/10/2012 13:39	SB
Tetrachloroethene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Toluene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Trichloroethene	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Trichlorofluoromethane	BRL	5.0		ug/L	159984	1	04/10/2012 13:39	SB
Vinyl chloride	BRL	2.0		ug/L	159984	1	04/10/2012 13:39	SB
Surr: 4-Bromofluorobenzene	98.1	67.4-123		%REC	159984	1	04/10/2012 13:39	SB
Surr: Dibromofluoromethane	99.9	75.5-128		%REC	159984	1	04/10/2012 13:39	SB
Surr: Toluene-d8	95.8	70-120		%REC	159984	1	04/10/2012 13:39	SB

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.

Sample/Cooler Receipt Checklist

Client Envirovisic Work Order Number 1204583

Checklist completed by [Signature] Date 4/7/12
Signature Date

Carrier name: FedEx ☐ UPS ☐ Courier ☐ Client ☒ US Mail ☐ Other ☐

Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐

Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒

Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒

Container/Temp Blank temperature in compliance? ($4^{\circ}\text{C} \pm 2$)* Yes ☒ No ☐

Cooler #1 B2 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: Envirorisk Consultants
 Project Name: Bellemeade Plaza
 Workorder: 1204583

ANALYTICAL QC SUMMARY REPORT

BatchID: 159984

Sample ID: MB-159984	Client ID:					Units: ug/L	Prep Date: 04/09/2012	Run No: 218728			
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 159984	Analysis Date: 04/09/2012	Seq No: 4573692			
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	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	

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

Client: Envirorisk Consultants
 Project Name: Bellemeade Plaza
 Workorder: 1204583

ANALYTICAL QC SUMMARY REPORT

BatchID: 159984

Sample ID: MB-159984	Client ID:					Units: ug/L	Prep Date: 04/09/2012	Run No: 218728			
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS	SW8260B					BatchID: 159984	Analysis Date: 04/09/2012	Seq No: 4573692		
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	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	47.19	0	50	0	94.4	67.4	123	0	0	0	
Surr: Dibromofluoromethane	50.11	0	50	0	100	75.5	128	0	0	0	
Surr: Toluene-d8	44.59	0	50	0	89.2	70	120	0	0	0	

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

Client: Envirorisk Consultants
 Project Name: Bellemeade Plaza
 Workorder: 1204583

ANALYTICAL QC SUMMARY REPORT

BatchID: 160042

Sample ID: MB-160042		Client ID:				Units: ug/Kg		Prep Date: 04/10/2012		Run No: 218871	
SampleType: MBLK		TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 160042		Analysis Date: 04/10/2012		Seq No: 4576832	
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	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	10	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	

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

Client: Envirorisk Consultants
 Project Name: Bellemeade Plaza
 Workorder: 1204583

ANALYTICAL QC SUMMARY REPORT

BatchID: 160042

Sample ID: MB-160042	Client ID:					Units: ug/Kg	Prep Date: 04/10/2012	Run No: 218871			
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS	SW8260B	BatchID: 160042				Analysis Date: 04/10/2012	Seq No: 4576832			
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	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	10	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	39.21	0	50	0	78.4	56.5	134	0	0	0	
Surr: Dibromofluoromethane	48.41	0	50	0	96.8	71.8	135	0	0	0	
Surr: Toluene-d8	45.71	0	50	0	91.4	77.1	117	0	0	0	

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

Client: Envirorisk Consultants
Project Name: Bellemeade Plaza
Workorder: 1204583

ANALYTICAL QC SUMMARY REPORT**BatchID: 160042**

Sample ID: LCS-160042	Client ID:					Units: ug/Kg	Prep Date: 04/10/2012	Run No: 218871			
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 160042	Analysis Date: 04/10/2012	Seq No: 4576834			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	40.56	5.0	50	0	81.1	60	140	0	0	0	
Benzene	40.99	5.0	50	0	82	70	130	0	0	0	
Chlorobenzene	40.97	5.0	50	0	81.9	70	130	0	0	0	
Toluene	41.81	5.0	50	0	83.6	70	130	0	0	0	
Trichloroethene	43.64	5.0	50	0	87.3	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	49.39	0	50	0	98.8	56.5	134	0	0	0	
Surr: Dibromofluoromethane	46.79	0	50	0	93.6	71.8	135	0	0	0	
Surr: Toluene-d8	50.04	0	50	0	100	77.1	117	0	0	0	

Sample ID: 1204664-007AMS	Client ID:					Units: ug/Kg-dry	Prep Date: 04/10/2012	Run No: 218871			
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 160042	Analysis Date: 04/10/2012	Seq No: 4576899			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	66.02	6.3	62.75	0	105	51	159	0	0	0	
Benzene	65.29	6.3	62.75	0	104	67.6	139	0	0	0	
Chlorobenzene	64.46	6.3	62.75	0	103	73.6	135	0	0	0	
Toluene	65.48	6.3	62.75	0	104	63.5	140	0	0	0	
Trichloroethene	67.62	6.3	62.75	0	108	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	60.98	0	62.75	0	97.2	56.5	134	0	0	0	
Surr: Dibromofluoromethane	60.11	0	62.75	0	95.8	71.8	135	0	0	0	
Surr: Toluene-d8	63.61	0	62.75	0	101	77.1	117	0	0	0	

Sample ID: 1204664-007AMSD	Client ID:				Units: ug/Kg-dry	Prep Date: 04/10/2012	Run No: 218871				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 160042	Analysis Date: 04/10/2012	Seq No: 4576900				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	67.16	6.3	62.75	0	107	51	159	66.02	1.72	25.7	
Benzene	68.64	6.3	62.75	0	109	67.6	139	65.29	5	18.5	

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: Envirorisk Consultants
Project Name: Bellemeade Plaza
Workorder: 1204583

ANALYTICAL QC SUMMARY REPORT

BatchID: 160042

Sample ID: 1204664-007AMSD	Client ID:				Units: ug/Kg-dry	Prep Date: 04/10/2012	Run No: 218871				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 160042	Analysis Date: 04/10/2012	Seq No: 4576900				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	65.60	6.3	62.75	0	105	73.6	135	64.46	1.76	18.5	
Toluene	67.25	6.3	62.75	0	107	63.5	140	65.48	2.67	18.8	
Trichloroethene	72.72	6.3	62.75	0	116	67.6	145	67.62	7.26	20.7	
Surr: 4-Bromofluorobenzene	61.66	0	62.75	0	98.3	56.5	134	60.98	0	0	
Surr: Dibromofluoromethane	65.98	0	62.75	0	105	71.8	135	60.11	0	0	
Surr: Toluene-d8	63.68	0	62.75	0	101	77.1	117	63.61	0	0	

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



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

February 24, 2012

Kenneth C. Summerour
Envirorisk Consultants
3335 Sweet Basil Lane
Loganville GA 30052

TEL: (770) 564-1444

FAX: (770) 923-1166

RE: Bellemeade Shopping Center

Dear Kenneth C. Summerour:

Order No: 1202H64

Analytical Environmental Services, Inc. received 2 samples on 2/21/2012 4:00:00 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 07/01/11-06/30/12.
- AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

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.

James Forrest
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1202HC4

Date: 2/21/12 Page 1 of 1

COMPANY: E-FSWK 864 (7) 864-9789		ADDRESS: 795 ADAMSON DR. MARIETTA, GA 30065		FAX:		SIGNATURE: <i>[Signature]</i>		SAMPLED: DATE: 2/12 TIME: 1:20		COMPOSITE: Grab		MATRIX: (See codes) GW		ANALYSIS REQUESTED: VOCs		PRESERVATION (See codes) N/A		REMARKS: Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.		No # of Containers	
#	SAMPLE ID	DATE	TIME	Grab	Composite	MATRIX															
1	TW-2	2/12	1:20	X		GW															
2	TW-1	2/12	2:20	X		GW															
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					

RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 2/21/12 4:00 PM	RECEIVED BY: <i>[Signature]</i>	DATE/TIME: 2/21/12 4:00
PROJECT NAME: BELLEVUE SHOPS CENTER		PROJECT #: ER-487	
SITE ADDRESS:		SEND REPORT TO:	
INVOICE TO: (IF DIFFERENT FROM ABOVE)		QUOTE #:	
SHIPMENT METHOD: OUT / IN		VIA: CLIENT FedEx UPS MAIL COURIER	
SPECIAL INSTRUCTIONS/COMMENTS:		PO#:	
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.		STATE PROGRAM (if any):	
MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)		E-mail? Y / N; Fax? Y / N	
PRESERVATIVE CODES: H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S/N+1 = Sodium Bisulfate/Methanol + ice		DATA PACKAGE: I II III IV	
		Total # of Containers: 4	
		Turnaround Time Request: Standard 5 Business Days 2 Business Day Rush Next Business Day Rush Same Day Rush (auth req.) Other: 00000	

White Copy - Original; Yellow Copy - Client

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S/N+1 = Sodium Bisulfate/Methanol + ice

Client: Envirorisk Consultants
Project: Bellemeade Shopping Center
Lab ID: 1202H64

Case Narrative

COC indicates that samples were collected on 2/12, however containers indicate 2/21. Collection dates were taken from container labels for login.

Analytical Environmental Services, Inc
Date: 24-Feb-12

Client: Envirorisk Consultants
Project Name: Bellemeade Shopping Center
Lab ID: 1202H64-001

Client Sample ID: TW-2
Collection Date: 2/21/2012 1:20:00 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	158137	1	02/23/2012 15:37	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
1,1-Dichloroethane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
1,1-Dichloroethene	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
1,2-Dibromoethane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
1,2-Dichloroethane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
1,2-Dichloropropane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
2-Butanone	BRL	50		ug/L	158137	1	02/23/2012 15:37	SB
2-Hexanone	BRL	10		ug/L	158137	1	02/23/2012 15:37	SB
4-Methyl-2-pentanone	BRL	10		ug/L	158137	1	02/23/2012 15:37	SB
Acetone	BRL	50		ug/L	158137	1	02/23/2012 15:37	SB
Benzene	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Bromodichloromethane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Bromoform	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Bromomethane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Carbon disulfide	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Carbon tetrachloride	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Chlorobenzene	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Chloroethane	BRL	10		ug/L	158137	1	02/23/2012 15:37	SB
Chloroform	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Chloromethane	BRL	10		ug/L	158137	1	02/23/2012 15:37	SB
cis-1,2-Dichloroethene	36	5.0		ug/L	158137	1	02/23/2012 15:37	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Cyclohexane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Dibromochloromethane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Dichlorodifluoromethane	BRL	10		ug/L	158137	1	02/23/2012 15:37	SB
Ethylbenzene	9.3	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Freon-113	BRL	10		ug/L	158137	1	02/23/2012 15:37	SB
Isopropylbenzene	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
m,p-Xylene	40	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Methyl acetate	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Methylcyclohexane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Methylene chloride	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
o-Xylene	19	5.0		ug/L	158137	1	02/23/2012 15:37	SB

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: 24-Feb-12

Client: Envirorisk Consultants
Project Name: Bellemeade Shopping Center
Lab ID: 1202H64-001

Client Sample ID: TW-2
Collection Date: 2/21/2012 1:20:00 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	158137	1	02/23/2012 15:37	SB
Tetrachloroethene	380	50		ug/L	158137	10	02/23/2012 17:30	SB
Toluene	31	5.0		ug/L	158137	1	02/23/2012 15:37	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Trichloroethene	12	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Trichlorofluoromethane	BRL	5.0		ug/L	158137	1	02/23/2012 15:37	SB
Vinyl chloride	BRL	2.0		ug/L	158137	1	02/23/2012 15:37	SB
Surr: 4-Bromofluorobenzene	97.7	67.4-123		%REC	158137	1	02/23/2012 15:37	SB
Surr: 4-Bromofluorobenzene	97.2	67.4-123		%REC	158137	10	02/23/2012 17:30	SB
Surr: Dibromofluoromethane	107	75.5-128		%REC	158137	1	02/23/2012 15:37	SB
Surr: Dibromofluoromethane	110	75.5-128		%REC	158137	10	02/23/2012 17:30	SB
Surr: Toluene-d8	103	70-120		%REC	158137	10	02/23/2012 17:30	SB
Surr: Toluene-d8	107	70-120		%REC	158137	1	02/23/2012 15:37	SB

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: 24-Feb-12

Client: Envirorisk Consultants
Project Name: Bellemeade Shopping Center
Lab ID: 1202H64-002

Client Sample ID: TW-1
Collection Date: 2/21/2012 2:20:00 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	158137	1	02/23/2012 16:05	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
1,1-Dichloroethane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
1,1-Dichloroethene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
1,2-Dibromoethane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
1,2-Dichloroethane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
1,2-Dichloropropane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
2-Butanone	BRL	50		ug/L	158137	1	02/23/2012 16:05	SB
2-Hexanone	BRL	10		ug/L	158137	1	02/23/2012 16:05	SB
4-Methyl-2-pentanone	BRL	10		ug/L	158137	1	02/23/2012 16:05	SB
Acetone	BRL	50		ug/L	158137	1	02/23/2012 16:05	SB
Benzene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Bromodichloromethane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Bromoform	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Bromomethane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Carbon disulfide	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Carbon tetrachloride	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Chlorobenzene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Chloroethane	BRL	10		ug/L	158137	1	02/23/2012 16:05	SB
Chloroform	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Chloromethane	BRL	10		ug/L	158137	1	02/23/2012 16:05	SB
cis-1,2-Dichloroethene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Cyclohexane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Dibromochloromethane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Dichlorodifluoromethane	BRL	10		ug/L	158137	1	02/23/2012 16:05	SB
Ethylbenzene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Freon-113	BRL	10		ug/L	158137	1	02/23/2012 16:05	SB
Isopropylbenzene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
m,p-Xylene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Methyl acetate	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Methylcyclohexane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Methylene chloride	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
o-Xylene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB

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: 24-Feb-12

Client:	Envirorisk Consultants	Client Sample ID:	TW-1
Project Name:	Bellemeade Shopping Center	Collection Date:	2/21/2012 2:20:00 PM
Lab ID:	1202H64-002	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	158137	1	02/23/2012 16:05	SB
Tetrachloroethene	47	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Toluene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Trichloroethene	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Trichlorofluoromethane	BRL	5.0		ug/L	158137	1	02/23/2012 16:05	SB
Vinyl chloride	BRL	2.0		ug/L	158137	1	02/23/2012 16:05	SB
Surr: 4-Bromofluorobenzene	94	67.4-123		%REC	158137	1	02/23/2012 16:05	SB
Surr: Dibromofluoromethane	106	75.5-128		%REC	158137	1	02/23/2012 16:05	SB
Surr: Toluene-d8	103	70-120		%REC	158137	1	02/23/2012 16:05	SB

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.

Sample/Cooler Receipt Checklist

Client Environrisk

Work Order Number 1202H64

Checklist completed by Muh 2-21-12
Signature Date

Carrier name: FedEx ☐ UPS ☐ Courier ☐ Client ☒ US Mail ☐ Other ☐

Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐

Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒

Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒

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

Cooler #1 4.7°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: Envirorisk Consultants
 Project Name: Bellemeade Shopping Center
 Workorder: 1202H64

ANALYTICAL QC SUMMARY REPORT

BatchID: 158137

Sample ID: MB-158137	Client ID:					Units: ug/L	Prep Date: 02/22/2012	Run No: 215639			
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 158137	Analysis Date: 02/22/2012	Seq No: 4509386			
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	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

Client: Envirorisk Consultants
 Project Name: Bellemeade Shopping Center
 Workorder: 1202H64

ANALYTICAL QC SUMMARY REPORT

BatchID: 158137

Sample ID: MB-158137	Client ID:					Units: ug/L	Prep Date: 02/22/2012	Run No: 215639			
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS	SW8260B	BatchID: 158137				Analysis Date: 02/22/2012	Seq No: 4509386			
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	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	47.50	0	50	0	95	67.4	123	0	0	0	
Surr: Dibromofluoromethane	50.78	0	50	0	102	75.5	128	0	0	0	
Surr: Toluene-d8	50.19	0	50	0	100	70	120	0	0	0	

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

Client: Envirorisk Consultants
 Project Name: Bellemeade Shopping Center
 Workorder: 1202H64

ANALYTICAL QC SUMMARY REPORT

BatchID: 158137

Sample ID: LCS-158137	Client ID:					Units: ug/L	Prep Date: 02/22/2012	Run No: 215639			
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 158137	Analysis Date: 02/22/2012	Seq No: 4509450			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	51.35	5.0	50	0	103	60	140	0	0	0	
Benzene	43.54	5.0	50	0	87.1	70	130	0	0	0	
Chlorobenzene	39.56	5.0	50	0	79.1	70	130	0	0	0	
Toluene	41.88	5.0	50	0	83.8	70	130	0	0	0	
Trichloroethene	41.98	5.0	50	0	84	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	48.51	0	50	0	97	67.4	123	0	0	0	
Surr: Dibromofluoromethane	54.43	0	50	0	109	75.5	128	0	0	0	
Surr: Toluene-d8	52.83	0	50	0	106	70	120	0	0	0	

Sample ID: 1202E31-002AMS	Client ID:					Units: ug/L	Prep Date: 02/22/2012	Run No: 215639			
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 158137	Analysis Date: 02/22/2012	Seq No: 4510841			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	70.10	5.0	50	0	140	50.1	179	0	0	0	
Benzene	53.35	5.0	50	0	107	61.2	150	0	0	0	
Chlorobenzene	47.39	5.0	50	0	94.8	72.1	140	0	0	0	
Toluene	52.65	5.0	50	0	105	58.7	154	0	0	0	
Trichloroethene	52.09	5.0	50	0	104	68.3	149	0	0	0	
Surr: 4-Bromofluorobenzene	49.84	0	50	0	99.7	67.4	123	0	0	0	
Surr: Dibromofluoromethane	55.56	0	50	0	111	75.5	128	0	0	0	
Surr: Toluene-d8	54.81	0	50	0	110	70	120	0	0	0	

Sample ID: 1202E31-002AMSD	Client ID:				Units: ug/L	Prep Date: 02/22/2012	Run No: 215639				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 158137	Analysis Date: 02/22/2012	Seq No: 4510842				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	71.48	5.0	50	0	143	50.1	179	70.10	1.95	23.3	
Benzene	52.74	5.0	50	0	105	61.2	150	53.35	1.15	19	

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: Envirorisk Consultants
Project Name: Bellemeade Shopping Center
Workorder: 1202H64

ANALYTICAL QC SUMMARY REPORT

BatchID: 158137

Sample ID: 1202E31-002AMSD	Client ID:					Units: ug/L	Prep Date: 02/22/2012	Run No: 215639			
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS	SW8260B	BatchID: 158137				Analysis Date: 02/22/2012	Seq No: 4510842			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	49.21	5.0	50	0	98.4	72.1	140	47.39	3.77	21.5	
Toluene	52.70	5.0	50	0	105	58.7	154	52.65	0.095	20	
Trichloroethene	51.94	5.0	50	0	104	68.3	149	52.09	0.288	17.7	
Surr: 4-Bromofluorobenzene	48.64	0	50	0	97.3	67.4	123	49.84	0	0	
Surr: Dibromofluoromethane	53.65	0	50	0	107	75.5	128	55.56	0	0	
Surr: Toluene-d8	52.98	0	50	0	106	70	120	54.81	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		

**Soil Boring
No. TW-6**

Project: Bellemeade Shopping Center	Boring No: TW-6
Date Installed: April 5, 2012	Location: E of Former Ocean Cleaners
Drilling Method: DPT	Total Depth of Boring: 15'
Drilling Company: GeoLab	Initial Depth to Groundwater: N/A
Driller: Roger Scudday	Final Depth to Groundwater: N/A
Sampler Type: Macrocore	Geologist: Ken Summerour, P.G.

DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
				40%		0-1' - Asphalt over sand/gravel; no recovery
						1-5' - Brown; sandy silt; micaceous; schistose saprolite; damp; no odor
5		4-5'	0.0			
				60%		5-10' - Gray to dark brown; reddish brown; silty sand; MnO2 staining; saprolite; schistose/gneiss; micaceous; damp; no odor
10		9-10'	0.0			
				100%		10-15' - Same; gray; salt-pepper fine to medium grained sand, some silt; micaceous; interspersed red-orange and white granitic zone; brown MnO2 spots; harder at 12-13'; damp to wet
15		14-15'	0.0			15' - Probe refusal in weathered granitic/schistose, micaceous partially weathered rock; no groundwater, boring continued using solid stem auger to 21' blind
				0%		
20						21' - Boring terminated
25		24-25'	0.0			

Soil Boring No. TW-7

Project: Bellemeade Shopping Center	Boring No: TW-7
Date Installed: April 5, 2012	Location: SE of Former Ocean Cleaners
Drilling Method: DPT	Total Depth of Boring: 9'
Drilling Company: GeoLab	Initial Depth to Groundwater: N/A
Driller: Roger Scudday	Final Depth to Groundwater: N/A
Sampler Type: Macrocore	Geologist: Ken Summerour, P.G.

DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
				60%		0-2' - Asphalt over gravel base; no recovery
		3-4'	0.0			2-5' - Red orange sandy clay to sandy clay loam; moist 6 inch zone over gray/brown loose sandy silt; micaceous; schistose; weathered saprolite; dry; no odor
5				70%		
						5-9' - Gray/brown; loose micaceous sandy-silt; yellow/brown mixed in; damp at 7'; no odor
		8-9'	0.0			
10						9' - Boring terminated in partially weathered rock, before water table; no well was set
15						
20						
25		24-25'	0.0			

Soil Boring No. TW-8

Project: Bellemeade Shopping Center	Boring No: TW-8
Date Installed: April 5, 2012	Location: N of Former Ocean Cleaners
Drilling Method: DPT	Total Depth of Boring: 25'
Drilling Company: GeoLab	Initial Depth to Groundwater: N/A
Driller: Roger Scudday	Final Depth to Groundwater: N/A
Sampler Type: Macrocore	Geologist: Ken Summerour, P.G.

DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
				100%		0-4' - Grass over red brown sandy clay loam; sandy silt; trace mica; appeared native; moist; no odor
		3-4'	0.0			4' - Red brown/gray sandy clay with septic-like odor
5				95%		4-5' - Black, dark gray; sandy clay to sandy clay loam; with black roots; possible carbon fill
						5-7.5' - Greenish gray sandy clay; trace roots; moist slight septic odor
						7.5-10' - Greenish, yellow orange, brown, red; redoximorphic coloration; micaceous; saprolite; weakly foliated; looser; no odor
10		9-10'	0.0			
				90%		10-15' - Brown, gray, orange brown; silty sand; micaceous; fine to coarse to sandy silt saprolite; wet; at 12-15' black MnO2 stained zones; evidence of foliation; no odor
15		14-15'	0.0	60%		15-16.5' - No recovery
						16.5-20' - Orange brown/gray; micaceous; sandy silt/ silty sand; saprolite; harder at 19'; wet; no odor
20		19-20'	0.0	50%		20-25' - Gray with interspersed brown silty sand; black MnO2 spots; foliated saprolite; increased foliation with depth; increased moisture with depth; no odor
25		24-25'	0.0			25' - Boring terminated

**Soil Boring
No. TW-9**

Project: Bellemeade Shopping Center	Boring No: TW-9
Date Installed: April 5, 2012	Location: South of Citgo
Drilling Method: DPT	Total Depth of Boring: 25'
Drilling Company: GeoLab	Initial Depth to Groundwater: N/A
Driller: Roger Scudday	Final Depth to Groundwater: N/A
Sampler Type: Macrocore	Geologist: Ken Summerour, P.G.

DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
				50%		0-2.5' - Asphalt over gravel
						2.5-5' - Red firm sandy clay followed by red brown/ orange brown sandy to sandy clay loam/sandy silt; looser from 4-5'; brown MnO2 staining at 4.5'; native; micaceous; no odor
5		4-5'	0.0			
				50%		5-10' - Saprolite; black MnO2 stains on foliation; fine to coarse grain; no odor
10		9-10'	0.0			
				70%		10-15' - Same as above with some pink; damp to very damp at 12-13'
15		14-15'	0.0			
				60%		15-20' - Gray black to orange brown; sandy silty/ silty sandy; MnO2 stains; micaceous; wet; no odor
20		19-20'	0.0			
				85%		20-25' - More defined foliation; wet; medium to coarse sand at 23'; harder at 24'; no odor
25		24-25'	0.0			25' - Boring terminated

ENVIRORISK CONSULTANTS, INC.

MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: ESN

SUPERVISING GEOLOGIST: KEN SUMMEROUR, P.G.

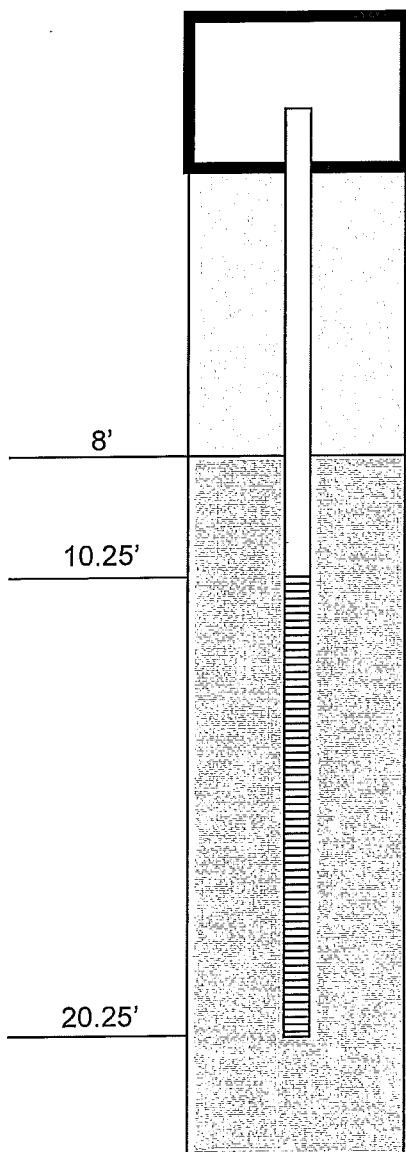
PROJECT NAME: Bellemeade Shopping Center

PROJECT LOCATION: 1131-1167 Powder Springs Street, Marietta, Georgia

MONITORING WELL NO.: TW-1

DATE OF INSTALLATION: February 21, 2012

STEEL, BOLT-DOWN WELL VAULT ENCLOSED IN
CONCRETE PAD WITH FLUSH FITTING PVC CAP



WELL RISER

MATERIAL:

PVC

DIAMETER:

1 INCH

JOINT TYPE:

FLUSH THREADED

LENGTH:

10 FEET

FIRST SEAL

TYPE OF SEAL:

BENTONITE CHIPS

THICKNESS:

8 FEET

FILTER PACK

TYPE OF FILTER:

SAND

DISTANCE ABOVE SCREEN:

2.25 FEET

WELL SCREEN

SCREEN MATERIAL:

PVC

DIAMETER:

1 INCH

LENGTH:

10 FEET

SLOT SIZE:

0.010 INCHES

DEPTH TO BOTTOM OF MONITORING WELL: 20.25 FEET

ENVIRORISK CONSULTANTS, INC.

MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: ESN

SUPERVISING GEOLOGIST: KEN SUMMEROUR, P.G.

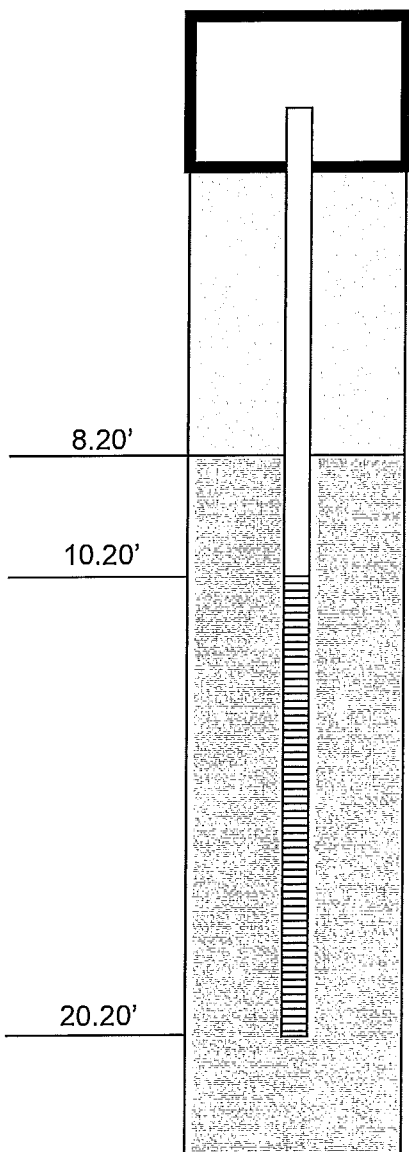
PROJECT NAME: Bellemeade Shopping Center

PROJECT LOCATION: 1131-1167 Powder Springs Street, Marietta, Georgia

MONITORING WELL NO.: TW-2

DATE OF INSTALLATION: February 21, 2012

STEEL, BOLT-DOWN WELL VAULT ENCLOSED IN
CONCRETE PAD WITH FLUSH FITTING PVC CAP



WELL RISER

MATERIAL:

PVC

DIAMETER:

1 INCH

JOINT TYPE:

FLUSH THREADED

LENGTH:

10 FEET

FIRST SEAL

TYPE OF SEAL:

BENTONITE CHIPS

THICKNESS:

8.20 FEET

FILTER PACK

TYPE OF FILTER:

SAND

DISTANCE ABOVE SCREEN:

2 FEET

WELL SCREEN

SCREEN MATERIAL:

PVC

DIAMETER:

1 INCH

LENGTH:

10 FEET

SLOT SIZE:

0.010 INCHES

DEPTH TO BOTTOM OF MONITORING WELL: 20.20 FEET

ENVIRORISK CONSULTANTS, INC.

TEMPORARY MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: GeoLab

SUPERVISING GEOLOGIST: KEN SUMMEROUR, P.G.

PROJECT NAME: Bellemeade Shopping Center

PROJECT LOCATION: 1131-1167 Powder Springs Street, Marietta, Georgia

MONITORING WELL NO.: TW-3

DATE OF INSTALLATION: April 5, 2012

WELL CONTAINS A 1" PVC THREADED SLIP CAP

WELL RISER

MATERIAL:

PVC

DIAMETER:

1 INCH

JOINT TYPE:

FLUSH THREADED

LENGTH:

8 FEET

FIRST SEAL

TYPE OF SEAL:

BENTONITE CHIPS

THICKNESS:

6 FEET

FILTER PACK

TYPE OF FILTER:

SAND

DISTANCE ABOVE SCREEN:

2 FEET

WELL SCREEN

SCREEN MATERIAL:

PVC

DIAMETER:

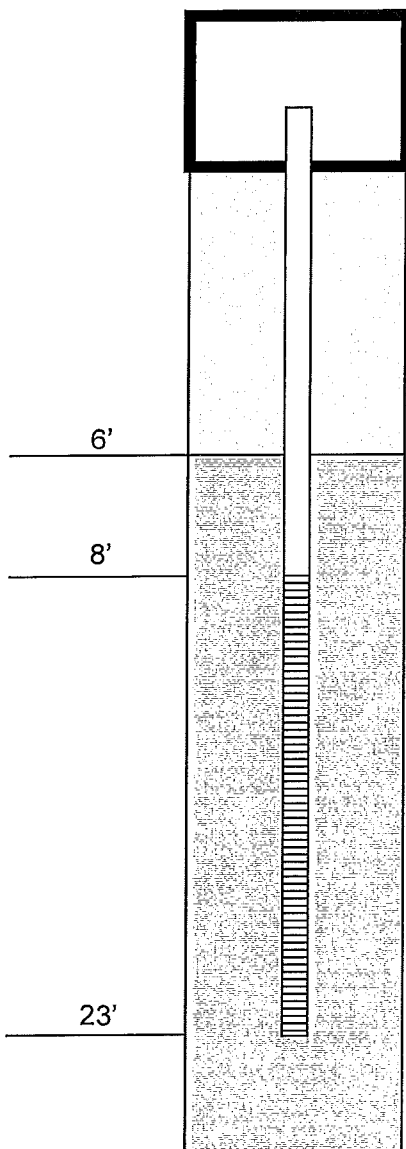
1 INCH

LENGTH:

15 FEET

SLOT SIZE:

0.010 INCHES



DEPTH TO BOTTOM OF MONITORING WELL:

23 FEET

ENVIRORISK CONSULTANTS, INC.

TEMPORARY MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: GeoLab

SUPERVISING GEOLOGIST: KEN SUMMEROUR, P.G.

PROJECT NAME: Bellemeade Shopping Center

PROJECT LOCATION: 1131-1167 Powder Springs Street, Marietta, Georgia

MONITORING WELL NO.: TW-4

DATE OF INSTALLATION: April 5, 2012

WELL CONTAINS A 1" PVC THREADED SLIP CAP

WELL RISER

MATERIAL:

PVC

DIAMETER:

1 INCH

JOINT TYPE:

FLUSH THREADED

LENGTH:

10 FEET

FIRST SEAL

TYPE OF SEAL:

BENTONITE CHIPS

THICKNESS:

8 FEET

FILTER PACK

TYPE OF FILTER:

SAND

DISTANCE ABOVE SCREEN:

2 FEET

WELL SCREEN

SCREEN MATERIAL:

PVC

DIAMETER:

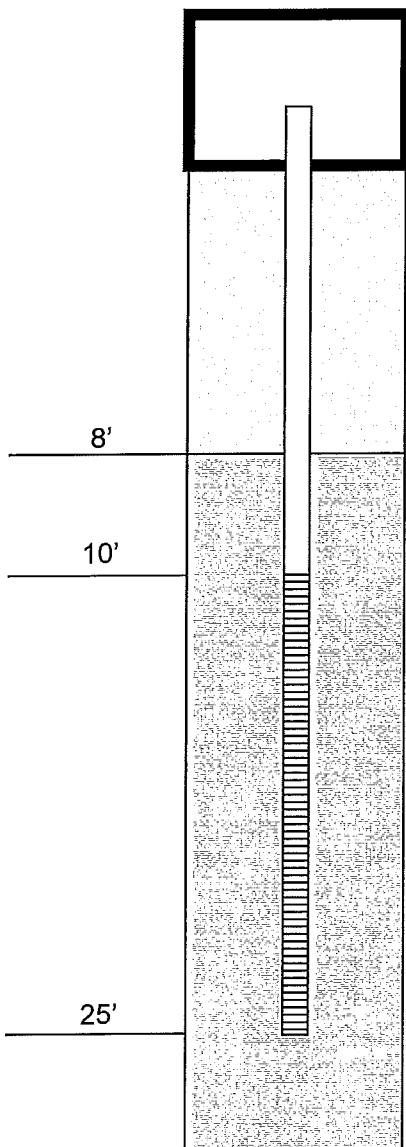
1 INCH

LENGTH:

15 FEET

SLOT SIZE:

0.010 INCHES



DEPTH TO BOTTOM OF MONITORING WELL:

25 FEET

ENVIRORISK CONSULTANTS, INC.

TEMPORARY MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: GeoLab

SUPERVISING GEOLOGIST: KEN SUMMEROUR, P.G.

PROJECT NAME: Bellemeade Shopping Center

PROJECT LOCATION: 1131-1167 Powder Springs Street, Marietta, Georgia

MONITORING WELL NO.: TW-5

DATE OF INSTALLATION: April 5, 2012

WELL CONTAINS A 1" PVC THREADED SLIP CAP

WELL RISER

MATERIAL:

PVC

DIAMETER:

1 INCH

JOINT TYPE:

FLUSH THREADED

LENGTH:

10 FEET

FIRST SEAL

TYPE OF SEAL:

BENTONITE CHIPS

THICKNESS:

8 FEET

FILTER PACK

TYPE OF FILTER:

SAND

DISTANCE ABOVE SCREEN:

2 FEET

WELL SCREEN

SCREEN MATERIAL:

PVC

DIAMETER:

1 INCH

LENGTH:

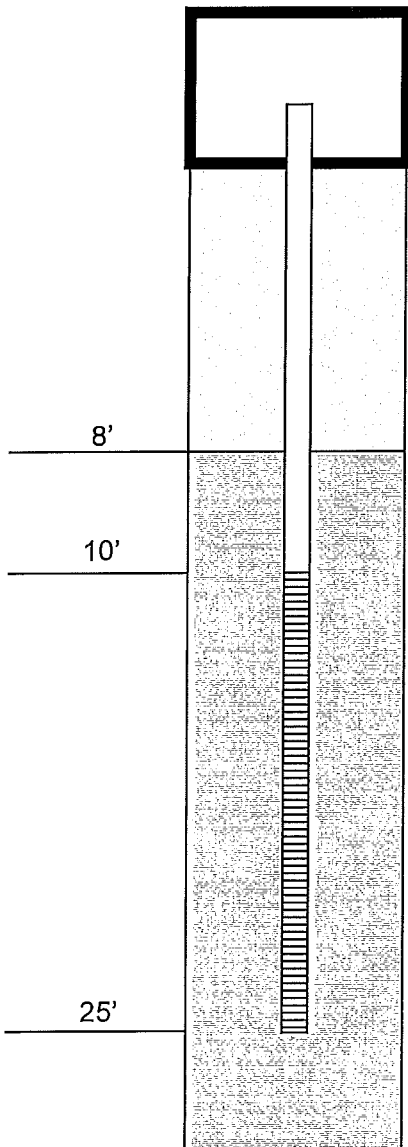
15 FEET

SLOT SIZE:

0.010 INCHES

DEPTH TO BOTTOM OF MONITORING WELL:

25 FEET



ENVIRORISK CONSULTANTS, INC.

TEMPORARY MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: GeoLab

SUPERVISING GEOLOGIST: KEN SUMMEROUR, P.G.

PROJECT NAME: Bellemeade Shopping Center

PROJECT LOCATION: 1131-1167 Powder Springs Street, Marietta, Georgia

MONITORING WELL NO.: TW-6

DATE OF INSTALLATION: April 5, 2012

WELL CONTAINS A 1" PVC THREADED SLIP CAP

WELL RISER

MATERIAL:

PVC

DIAMETER:

1 INCH

JOINT TYPE:

FLUSH THREADED

LENGTH:

11 FEET

FIRST SEAL

TYPE OF SEAL:

BENTONITE CHIPS

THICKNESS:

9 FEET

FILTER PACK

TYPE OF FILTER:

SAND

DISTANCE ABOVE SCREEN:

2 FEET

WELL SCREEN

SCREEN MATERIAL:

PVC

DIAMETER:

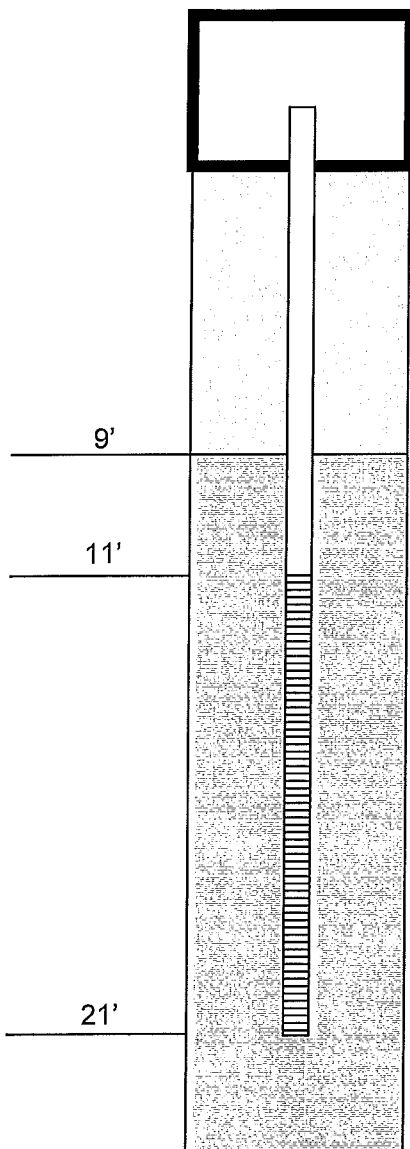
1 INCH

LENGTH:

15 FEET

SLOT SIZE:

0.010 INCHES



DEPTH TO BOTTOM OF MONITORING WELL:

21 FEET

ENVIRORISK CONSULTANTS, INC.

TEMPORARY MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: GeoLab

SUPERVISING GEOLOGIST: KEN SUMMEROUR, P.G.

PROJECT NAME: Bellemeade Shopping Center

PROJECT LOCATION: 1131-1167 Powder Springs Street, Marietta, Georgia

MONITORING WELL NO.: TW-8

DATE OF INSTALLATION: April 5, 2012

WELL CONTAINS A 1" PVC THREADED SLIP CAP

WELL RISER

MATERIAL:

PVC

DIAMETER:

1 INCH

JOINT TYPE:

FLUSH THREADED

LENGTH:

10 FEET

FIRST SEAL

TYPE OF SEAL:

BENTONITE CHIPS

THICKNESS:

8 FEET

FILTER PACK

TYPE OF FILTER:

SAND

DISTANCE ABOVE SCREEN:

2 FEET

WELL SCREEN

SCREEN MATERIAL:

PVC

DIAMETER:

1 INCH

LENGTH:

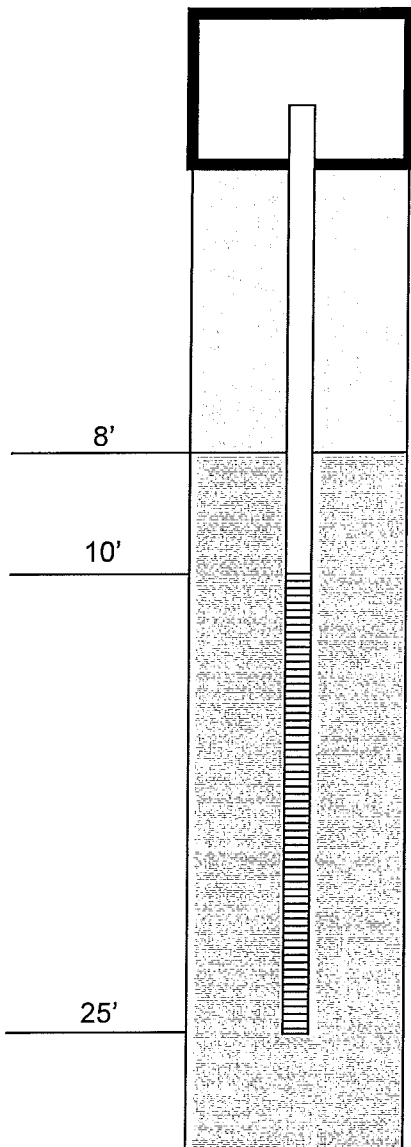
15 FEET

SLOT SIZE:

0.010 INCHES

DEPTH TO BOTTOM OF MONITORING WELL:

25 FEET



ENVIRORISK CONSULTANTS, INC.

TEMPORARY MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: GeoLab

SUPERVISING GEOLOGIST: KEN SUMMEROUR, P.G.

PROJECT NAME: Bellemeade Shopping Center

PROJECT LOCATION: 1131-1167 Powder Springs Street, Marietta, Georgia

MONITORING WELL NO.: TW-9

DATE OF INSTALLATION: April 5, 2012

WELL CONTAINS A 1" PVC THREADED SLIP CAP

WELL RISER

MATERIAL:

PVC

DIAMETER:

1 INCH

JOINT TYPE:

FLUSH THREADED

LENGTH:

10 FEET

FIRST SEAL

TYPE OF SEAL:

BENTONITE CHIPS

THICKNESS:

8 FEET

FILTER PACK

TYPE OF FILTER:

SAND

DISTANCE ABOVE SCREEN:

2 FEET

WELL SCREEN

SCREEN MATERIAL:

PVC

DIAMETER:

1 INCH

LENGTH:

15 FEET

SLOT SIZE:

0.010 INCHES

DEPTH TO BOTTOM OF MONITORING WELL:

25 FEET

