

## URBAN GREEN ENVIRONMENTAL

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1340 Smith Avenue, Suite 200  
Baltimore, Maryland 21209

# FINAL Limited Phase II Environmental Site Assesment Report

## State Center Property

Phase I – Lots G, C, and I2

900 North Eutaw Street, 200 West Preston Street, and 101 West  
Preston Street

Baltimore, Maryland 21201



*Prepared For:*

### **State Center LLC**

3420 2<sup>nd</sup> Street

Baltimore, Maryland 21225

October 2009

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## 1.0 INTRODUCTION

State Center LLC contracted Urban Green Environmental LLC (Urban Green) to perform a Limited Phase II Environmental Site Assessment (ESA) investigation of the State Center Property – Phase I Parcels G, C, and I2 located at 900 North Eutaw Street, 101 West Preston Street and 200 West Preston Street in Baltimore, Maryland 21201.

The objective of this investigation was to provide an evaluation of the recognized environmental concerns (RECs) as identified in the *Phase I Environmental Site Assessment Report* prepared by Earth Resources Management (ERM), Inc. and dated March 2007, and provide initial site characterization information to support a future application of the Site into the Maryland Voluntary Cleanup Program (VCP).

The findings of this Limited Phase II ESA are based solely on the data obtained and reviewed as part of this investigation, including observations and conditions that existed at the time of the field investigative activities performed in October 2009. Information provided by third parties is assumed to be accurate and complete.

This report was prepared for State Center LLC by Urban Green Environmental, LLC and is based in part on third party information not within the control of State Center LLC or Urban Green Environmental, LLC. While it is believed that the third party information contained herein will be reliable under the conditions and subject to the limitations set forth herein, neither State Center LLC nor Urban Green Environmental, LLC guarantee the accuracy thereof.

## 2.0 SITE BACKGROUND

### 2.1 Site Location and Description

The Site consists of three parcels of land located within the Phase I development area of the State Center Property: Parcel G, Parcel C, and Parcel I2. Parcels G and C consist of asphalt paved parking lots and are located at 900 North Eutaw Street and 200 West Preston Street, respectively. Parcel I2 consists of a concrete paved and landscaped lot located at 101 West Preston Street. According to information on-file with the Maryland Department of Assessment and Taxation, the Site parcels are further identified as Block 0459, Lot 3, Block 0460, Lot 2, and Block 0478, Lot 2 (northern portion). A Site location map is attached as Figure- 1; a Site plan is attached as Figure 2.

Based on a review of a partial copy of the Phase I Environmental Site Assessment Report, prepared by Environmental Resource Management, Inc., no recognized environmental conditions (RECs) were identified at the Site. However, the prior Phase I ESA did indicate that several underground storage tanks (USTs) (active and inactive) and two Maryland Department of the Environment Oil Control Program (MDE OCP) case files (case closed status) were associated with the Parcel C property. Specifically, three active USTs, three inactive USTs and one MDE OCP case file appear to be associated with Parcel C. In addition, several current/former USTs are potentially upgradient of Parcels G and I2.

### 2.2 Site History

Based on information provided in the *Phase I ESA* (ERM 2007), the Site parcels were primarily developed circa 1958, at which time the State of Maryland purchased the properties for development of the State Center. The only exceptions to the above were a small church south of Parcel I2, and construction of the Armory of the Fifth Regiment Infantry north of Parcel C circa the early 1900s. It was also noted in the Phase I ESA, that two historic fires, which occurred in 1904 and 1933, reportedly destroyed much of the Site parcels.

Please note, the above history conflicts with historic atlases reviewed by Urban Green for the preparation of this Limited Phase II ESA Report. Specifically, in addition to the information provided in the Phase I ESA (ERM 2007), Urban Green obtained copies of 1901, 1914, 1951, and 1953 historic atlases from the Enoch Pratt Library. A summary of the historic improvement at each Site parcel is provided in the following table.

**Table 1 Summary of Historic Atlas Information – Lots G, C, and I2  
State Center Property, Baltimore, Maryland**

Site Parcel	1901 Historic Atlas	1914 Historic Atlas	1951 Historic Atlas	1953 Historic Atlas
<b>Lot G 900 N. Eutaw Street</b>	Developed with approximately 100 structures identified as residential dwellings and retail stores. A bake house/candy kitchen and upholsterer is noted in the central portion of the Site parcel.	Developed with approximately 100 structures identified as residential dwellings and retail stores. A bake house/candy kitchen is noted in the central portion of the Site parcel.	Developed with approximately 90 structures identified as residential dwellings and retail stores. <u>Gasoline filling stations are noted on the northeast and southeast corners</u> ; a radiator repair shop and kitchen/ice cream shop noted in the central portions of the Site parcel.	Developed with approximately 90 structures identified as residential dwellings and retail stores. <u>Gasoline filling stations are noted on the northeast and southeast corners</u> ; a radiator repair shop and kitchen/ice cream shop noted in the central portions of the Site parcel.
<b>Lot C 200 W. Preston Street</b>	Developed with approximately 20 structures identified as residential dwellings.	Developed with approximately 25 structures identified as residential dwellings. A brush factory and cobbler are identified on the southern portion.	Developed with approximately 30 structures identified as residential flats. Contractors building and upholstering identified on the northeast corner.	Developed with approximately 30 structures identified as residential flats. Contractors building and upholstering identified on the northeast corner.
<b>Lot I2 300 W. Preston Street (northern portion)</b>	Developed with approximately 11 structures identified as residential dwellings and a retail store.	Developed with approximately 12 structures identified as residential dwellings, a retail store, and an office. <u>A gasoline UST is identified along the southern boundary.</u>	Undeveloped. No improvements or uses illustrated.	Undeveloped. No improvements or uses illustrated.

## **2.3 Environmental Setting**

### **2.3.1 Topography**

According to the USGS Baltimore West, Maryland topographic map, the Site elevation ranges from approximately 117 to 142 feet above mean sea level and appears to slope gradually northwest to southeast across the Site. The nearest surface water body, the Jones Falls, is located approximately 2,000 feet east of the Site.

### **2.3.2 Geology and Lithology**

According to information provided in the prior Phase I ESA (ERM 2007), the subject property is underlain by the Lehigh formation, a surficial silt loam. Depth to bedrock is anticipated at greater than 40 inches.

On-site conditions were observed to be consistent with the above. Specifically, overburden soil at the Site was observed to consist of sands, sandy silts to the maximum drilling depth of 32 feet below grade. In addition, clays and silty clays (approximate one to three foot thickness) were observed at depths of eight and twelve feet below grade in soil borings SB-2, SB-5, SB-6, and SB-7. Lastly, fill materials were observed to be more prominent on Lot C, proximate to the presumed locations of the historic underground storage tanks (USTs).

No visual or olfactory evidence of a release, such as a chemical odor or staining was observed throughout the drilling activities. Further, results of field screening for evidence of total volatile organic compounds (VOCs) using a photoionization detector indicated background readings (0.0 to 0.3 parts per million).

## **2.4 Prior Environmental Investigations**

In March 2007, a Phase I ESA of the State Center Property, including the Site (Parcels G, C, and I2) and the surrounding State Center Property, was completed by ERM (ERM 2007). The scope of work of the Phase I investigation consisted of a visual site inspection, historic records review, and state and federal regulatory records review. At the time of the ERM Phase I ESA, Site use appears to be consistent with the operations observed during this investigation. Specifically, Parcels G, C, and I2 appear to have been utilized for parking and/or were landscaped. The ERM report further noted the presence of a fueling station on Parcel C.

Based on the information available and reviewed as part of the Phase I ESA, no recognized environmental conditions (RECs) were identified at the State Center Property. However, the ERM report did note the presence of current and historic USTs on the Parcel C Site. Furthermore, in Section 3.3.2, one former cleaner and one former auto body shop are listed for the State Center

Property. Lastly, several buildings at the State Center Property (201 West Preston Street and 300 West Preston Street) were identified as very small quantity generators of hazardous waste.



### 3.0 PHASE II INVESTIGATION METHODOLOGY

#### 3.1 Purpose and Objectives

The goal of the Phase II Investigation was to provide an evaluation of RECs as identified in the *Phase I Environmental Site Assessment Report* (ERM 2007), and provide initial site characterization information to support a future application of the Site into the Maryland VCP. Specifically, the scope of this investigation consisted of the following tasks:

- Advancement of seven soil borings throughout the Site for site characterization; two soil borings were completed as temporary groundwater monitoring wells;
- Field screening of select soil samples (two foot intervals) from each soil boring for the presence of total volatile organic compounds;
- Collection of select, discrete soil samples from each soil boring; fixed laboratory analysis of the select soil samples for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), priority pollutant (PPL) metals, polychlorinated biphenyls (PCBs), pesticides/herbicides, and/or total petroleum hydrocarbons (TPH) diesel range organics / gasoline range organics (DRO / GRO); and,
- Collection of grab groundwater samples from the two temporary groundwater monitoring wells for fixed laboratory analysis of VOCs.

The work tasks and associated field sampling activities described below were performed in general accordance with our proposal dated September 28, 2009, the *MDE Voluntary Cleanup Program Guidance Document* (MDE 2006) and the *State of Maryland Department of the Environment Cleanup Standards for Soil and Groundwater, Interim Final Guidance, Update No. 2.1* (MDE 2008).

#### 3.2 Field Investigation Procedures

Fieldwork for the Phase II ESA was conducted on October 3, 2009. The following report sections summarize the field sampling and laboratory analytical methodologies implemented during the field investigation.

##### 3.2.1 Utility Mark out

Prior to initiating field activities, Urban Green coordinated with MissUtility and a private utility mark out subcontractor, to complete the required dig permit and obtain utility clearance for the Site investigation areas. In addition, the Urban Green engineer conducted a Site visit to confirm the proposed soil boring locations and below grade utility markings.

##### 3.2.1 Soil Investigation

On October 3, 2009, under the supervision of the Urban Green Engineer, seven soil borings were advanced at the Site. Soil borings were advanced from grade using truck-mounted direct push

technology (Geoprobe). Drilling services were performed by Green Services, Inc. of Bel Air, Maryland. The direct push technology method utilizes a two-inch inner diameter, four foot long, stainless steel sampler lined with a dedicated high-density polyethylene (HDPE) liner. The HDPE-lined stainless steel sampler is hydraulically driven into the subsurface for soil core retrieval. Soil borings were advanced to a maximum depth of 32 feet below grade (ft bg). A summary of the soil borings is provided below; soil boring locations are also provided on Figure 2.

- *SB-1 / TW-1 – Parcel G (historic gasoline filling station):* Soil boring SB-1 was advanced to a depth of approximately 32 ft bg; groundwater was encountered at a depth of approximately 31.5 ft bg.
- *SB-2 – Downgradient Property Boundary:* Soil boring SB-2 was advanced to a depth of 20 ft bg. No groundwater was encountered.
- *SB-3 – General Site Characterization, Parcel I2:* Soil boring SB-3 was advanced to refusal (16 ft bg). No groundwater was encountered.
- *SB-4 – General Site Characterization, Parcel I2:* Soil boring SB-4 was advanced to a depth of 20 ft bg. No groundwater was encountered. It is noteworthy, that SB-4 was also advanced proximate to a “gasol tank” depicted on a 1914 historic atlas of the State Center Property. The gasol tank appears to be depicted on the parcel adjoining Parcel I2 to the southwest.
- *SB-5 / TW-5 – Downgradient of Current and Former USTs:* Soil boring SB-5 was advanced to a depth of approximately 27 ft bg; groundwater was encountered at a depth of approximately 24 ft bg.
- *SB-6 – Former USTs:* Soil boring SB-6 was advanced to a depth of 20 ft bg. No groundwater was encountered.
- *SB-7 – Former USTs:* Soil boring SB-7 was advanced to refusal (16 ft bg). No groundwater was encountered.

Immediately following the direct push sampler retrieval, the HDPE sample liner was opened by the Urban Green Engineer, and screened, at approximate two foot intervals for evidence of total VOCs using a photoionization detector (PID). Discrete grab soil samples were then collected directly from the sample core liner using disposable, dedicated aseptic sampling devices.

A log of field activities, including photographs and logs of the continuous soil borings were maintained throughout the field activities. Site photographs are included as Appendix A; soil boring logs, including soil lithology, recovery and field observations are provided in Appendix B.

Soil borings were advanced to a maximum depth of 32 ft bg. Bedrock was not observed to the maximum drilling depth of 32 ft bg; groundwater was observed in soil borings SB-1 and SB-5 at a depths of 31 ft bg and 24 ft bg, respectively.

Select soil samples were collected from each soil boring and submitted for laboratory analysis of VOCs via USEPA Method 8260B; polycyclic aromatic hydrocarbons (PAHs) via USEPA Method 8270C; priority pollutant (PPL) metals via USEPA Method 6020A; polychlorinated biphenyls (PCBs)

via USEPA Method 8082; pesticide/herbicide analysis was performed via USEPA 8081A/8151A and/or total petroleum hydrocarbon diesel range organics and gasoline range organics (TPH DRO/GRO) via USEPA Method 8015C.

One surface and one subsurface soil sample was collected from soil boring SB-1 through SB-5. With the exception of soil boring SB-2, surface soil samples were collected from a depth of approximately zero to one foot below grade; subsurface soil samples were collected from a depth of approximately four to five feet below grade. The above samples intervals were selected based on the MDE VCP recommendations for Phase II environmental site assessments. In soil boring SB-2, the subsurface soil sample was collected from a depth of 19 to 20 feet below grade. This deeper interval was selected based on the future grades of Parcel G. Specifically, it has been indicated to Urban Green, that future development may include deep cuts within this portion of the State Center Property. Surface soil samples were submitted for fixed laboratory analysis of PAHs and PPL metals; subsurface soil samples were submitted for fixed laboratory analysis of VOCs, PAHs, and PPL metals. In addition, one soil sample (SB-5 0-1) was also submitted for fixed laboratory analysis of PCBs, pesticides, and herbicides.

One subsurface soil sample was collected from soil borings SB-6 and SB-7. As noted within our scope of work, given that soil borings SB-6 and SB-7 were advanced to further evaluate the current and former USTs, the soil sample interval was biased towards the highest field screening reading or collected from depths anticipated to represent conditions beneath the former USTs (and immediately above the groundwater table).

Soil samples were collected with dedicated sampling equipment into new, clean sample containers. The soil samples were labeled with sample designation, date and time, and the required analyses. Soil samples were then placed on ice in a portable cooler prior to hand-delivery to Caliber Analytical Services in Towson, Maryland. Chain-of-Custody (COC) forms were maintained (and accompanied the samples in transit) to provide a record of samples from collection to analyses. A copy of the laboratory analytical report and associated COC is included in Appendix C.

### **3.2.2 Groundwater Investigation**

Following the collection of soil samples, temporary groundwater monitoring wells were installed in soil borings SB-1 and SB-5 (downgradient Site location and historic gasoline filling station, and downgradient of existing USTs, respectively). Soil cores in these locations were advanced an additional one to three feet below the depth of the observed groundwater table. Once this depth was achieved, the soil cores were removed and a dedicated one-inch diameter polyvinyl chloride (PVC) well point with a 20-foot screen interval was installed within the borehole to allow for the collection of grab groundwater samples.

Groundwater samples were collected from each temporary well point using dedicated plastic tubing and a ball-check valve. Each groundwater sample was placed, in new, laboratory-supplied

glass sample 40-ml VOAs and preserved. Samples were labeled with sample designation, date and time, and the required analyses. The groundwater samples were then placed on ice in a portable cooler prior to being delivered to Caliber Analytical Services in Towson, Maryland for analysis of VOCs via USEPA Method 8260B. COC forms were maintained (and accompanied the samples in transit) to provide a record of samples from collection to analyses.

### **3.3 Quality Assurance/Quality Control Procedures**

QA/QC protocol covered general aspects of measurement systems design and implementation, including sampling methods, data handling, and QC measures employed. QA/QC procedures followed during the investigation included the use of dedicated sampling equipment for all sampling activities.

### **3.4 Sample Handling/Chain of Custody**

Soil samples collected for laboratory analyses were recorded on soil boring logs and in the project field notes. Field notes will be kept at Urban Green on file for reference. Each sample collected during field activities was given a unique sample designation (Table 1). The sample identification (ID) was used to establish each discrete sampling point. The sample ID also was included on the laboratory chain of custody as well as the bottle label. The interval (e.g. 0-1) identified following the soil boring identification in the following sections represents the discrete depth interval in feet below grade at which the soil sample was collected.

Following sample collection, containers were sealed and placed in a cooler with bagged ice and cooled to 4°C or less. The COC was placed in a plastic bag and taped to the inside of the cooler lid for submission to Phase Separation Science, Inc. Soil and groundwater samples were then hand-carried under strict COC procedures to Caliber Analytical Services in Towson, Maryland for analysis. Samples were analyzed with standard one week turn-around time from receipt of samples.

### **3.5 Decontamination and Investigation-Derived Material Handling Procedures**

The primary objective of the decontamination process was to prevent the accidental introduction of potential contaminants to non-contaminated areas and/or samples. During field activities, a designated decontamination area was established and equipped with decontamination equipment (wash buckets, brushes, spray bottles, potable water, distilled water, towels, etc.) to adequately decontaminate the equipment used on-site. To the maximum extent possible, dedicated equipment was used at each media sample location. Specifically, the direct push sample tubes (macrocores) were lined with a HDPE liner. Further, disposable plastic bags were used to homogenize each soil sample (non-VOC analysis), as required for fixed laboratory analysis.

Sampling equipment that was not dedicated to one sample location was washed with a medical-grade detergent wash, rinsed with distilled water and allowed to air dry.

Following completion of each soil boring, soil cuttings generated during sampling activities were placed directly down the soil boring. Sampling locations were finished at grade with a concrete slurry / bentonite and asphalt.

## 4.0 PHASE II INVESTIGATION RESULTS

### 4.1 Site Conditions

#### 4.1.1 Lithology

Soil lithology at the Site consisted of sands, sandy silts to the maximum drilling depth of 32 feet below grade. In addition, clays and silty clays (approximate one to three foot thickness) were observed at depths of eight and twelve feet below grade in soil borings SB-2, SB-5, SB-6, and SB-7. Lastly, fill materials were observed to be more prominent on Lot C, proximate to the presumed locations of historic USTs.

No visual or olfactory evidence of a release, such as a chemical odor or staining was observed throughout the drilling activities. Further, results of field screening for evidence of total volatile organic compounds (VOCs) using a photoionization detector indicated background readings (0.0 to 0.3 parts per million).

### 4.2 Soil Analytical Results

A summary of the laboratory analytical results for soil is presented in Table 1 and discussed below. The full laboratory analytical data reports are provided in Appendix C.

In total, 12 select soil samples were collected from varying depths within the designated sample locations and submitted for fixed laboratory analysis of VOCs, PAHs, PPL Metals, PCBs, pesticides, herbicides, and TPH DRO/GRO. For comparative purposes, the analytical results are herein compared with the MDE Cleanup Standards for Non-Residential Soil.

#### 4.2.1 Volatile Organic Compounds

Five subsurface samples (SB-1 4-5, SB-2 19-20, SB-3 4-5, SB-4 4-5 and SB-5 4-5) were submitted for fixed analysis of VOCs.

As shown in Table 1, no detectable concentrations of VOCs were reported in subsurface soil.

#### 4.2.2 Polycyclic Aromatic Hydrocarbons

Ten soil samples (one surface soil and one subsurface soil sample from soil boring SB-1 through SB-5) were submitted for fixed analysis of PAHs.

As shown in Table 1, with the exception of surface soil collected from soil boring SB-3, no concentrations of PAHs were reported in surface or subsurface soil above the current applicable MDE Cleanup Standards for Non-Residential Soil. Benzo(a)pyrene (800 ug/kg) was reported in

soil sample SB-3 0-1 at a concentration above the MDE Cleanup Standard for Non-Residential Soil (390 ug/kg).

#### **4.2.3 Metals**

Ten soil samples (one surface soil and one subsurface soil sample from soil boring SB-1 through SB-5) were submitted for fixed analysis of PPL Metals.

With the exception of arsenic (ranging from 1.1 mg/kg to 10 mg/kg), no concentrations of PPL metals were reported in surface soil above the MDE Cleanup Standards for Non-Residential Soil. The current applicable MDE Cleanup Standard for arsenic is 3.6 mg/kg.

Priority pollutant metals occur widely in the earth's crust as natural minerals and are therefore, commonly identified in soil. The MDE has compiled data regarding anticipated concentrations of various metals for soil throughout the state, which are referenced as the Anticipated Typical Concentrations (ATC)/Reference Levels of Metals in the State of Maryland. A listing of these concentrations as compared to the concentrations identified at the Site is illustrated in Table 1. As shown, the concentrations of arsenic are comparable to the ATC for metals in the Site area. As such, the occurrence of these metals in the above referenced soil borings are likely attributable to background conditions within the soil matrix and not representative of a release.

#### **4.2.4 PCBs, Pesticides and Herbicides**

One select surface sample (SB-5 0-1) was submitted for fixed laboratory analysis of PCBs, pesticides, and herbicides. No detectable concentrations of PCB congeners, pesticides or herbicides were reported.

#### **4.2.5 Total Petroleum Hydrocarbons – Diesel Range Organics / Gasoline Range Organics**

Two select soil samples (SB-6 15 and SB-7 14) were submitted for fixed laboratory analysis of TPH DRO/GRO. No detectable concentrations of TPH DRO/GRO were reported.

### **4.3 Groundwater Analytical Results**

Grab groundwater samples were collected from soil borings SB-1 and SB-5 and submitted for laboratory analysis of VOCs. A summary of the laboratory analytical results are presented on Table 2. A copy of the fixed laboratory analytical report is provided in Appendix C.

In summary, no detectable concentrations of VOCs were reported in groundwater collected from temporary wellpoint TW-1 (installed in soil boring SB-1).

Concentrations of methyl-tert-butyl ether (MTBE) and tert-Amyl methyl ether (TAME) were reported in groundwater collected from temporary groundwater monitoring well TW-5. The

concentrations were 15 ug/l and 2 ug/l, respectively. MTBE and TAME are common gasoline additives. To further evaluate the above VOC concentrations, groundwater sample results were compared to the current applicable MDE Cleanup Standards for Groundwater. As shown on Table 2, the concentrations of the petroleum-related VOCs reported in groundwater sample TW-5 are below the current applicable MDE Cleanup Standards for Groundwater.



## 5.0 CONCLUSIONS

State Center LLC contracted Urban Green to perform a Limited Phase II ESA of the State Center Property, Parcels G, C, and I2 located on North Eutaw Street and West Preston Street in Baltimore, Maryland. The objective of this investigation was to provide an evaluation of RECs as identified in the *Phase I Environmental Site Assessment* (ERM 2007), and provide initial site characterization information to support a future application of the Site into the Maryland Voluntary Cleanup Program.

The scope of this investigation consisted of advancing seven soil borings (SB-1 through SB-7) at the Site. Two soil borings (SB-1 and SB-5) were completed as temporary groundwater monitoring wells. In general, soil boring locations were biased towards areas of concerns, including the current and historic use, and current and historic USTs. Select soil samples were collected from each soil boring and submitted for fixed laboratory analysis of VOCs, PAHs, PPL Metals, PCBs, pesticides, herbicides, and/or TPH DRO/GRO; grab groundwater samples were submitted for fixed laboratory analysis of VOCs.

### 5.1 Soil

With the exception of arsenic and select PAHs, no analytes were reported at concentrations in excess the currently applicable MDE Cleanup Standards for Non-Residential soil. Specifically,

- Arsenic was reported above the current applicable state cleanup standard (3.6 mg/kg) in subsurface and/or surface soil samples collected from soil borings SB-1, SB-2, SB-3, SB-4, and SB-5 at concentrations ranging from 0.63 mg/kg to 10 mg/kg. No detectable concentrations of arsenic were reported in subsurface soil collected from soil boring SB-2.
- Benzo(a)pyrene was reported above the current applicable state cleanup standards in one soil sample (SB-3 0-1) at a concentration of 800 ug/kg.

Priority pollutant metals occur widely in the earth's crust as natural minerals and are therefore, commonly identified in soil. The MDE has compiled data regarding anticipated concentrations of various metals for soil throughout the state, which are referenced as the ATC/Reference Levels of Metals in the State of Maryland. The concentrations of arsenic are comparable to the ATC for metals in the Site area. As such, the occurrence of these metals in the above referenced soil borings are likely attributable to background conditions and not representative of a release.

### 5.2 Groundwater

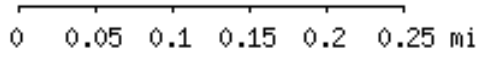
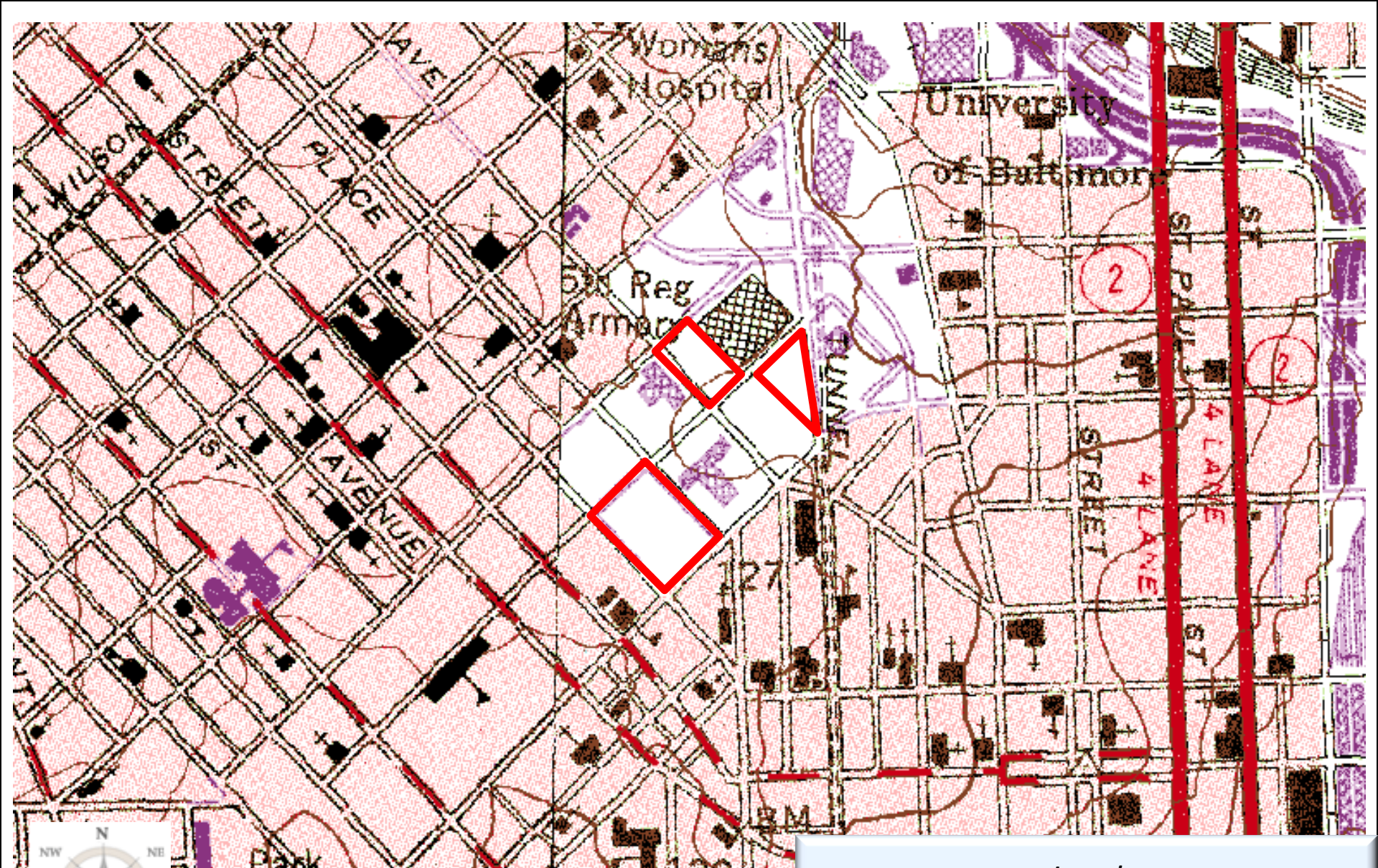
No concentrations of VOCs were reported in groundwater samples collected from temporary wells TW-1 and TW-5 above the current applicable MDE Cleanup Standards for Groundwater.

## 6.0 REFERENCES

Environmental Resources Management, Inc. (ERM). 2007. *Phase I Environmental Site Assessment State Center, Baltimore, Maryland*. March.

Maryland Department of the Environment (MDE). 2006. *Voluntary Cleanup Program Guidance Document*. March.

MDE. 2008. *State of Maryland Department of the Environment Cleanup Standards for Soil and Groundwater, Interim Final Guidance (Update No. 2.1)*. August.

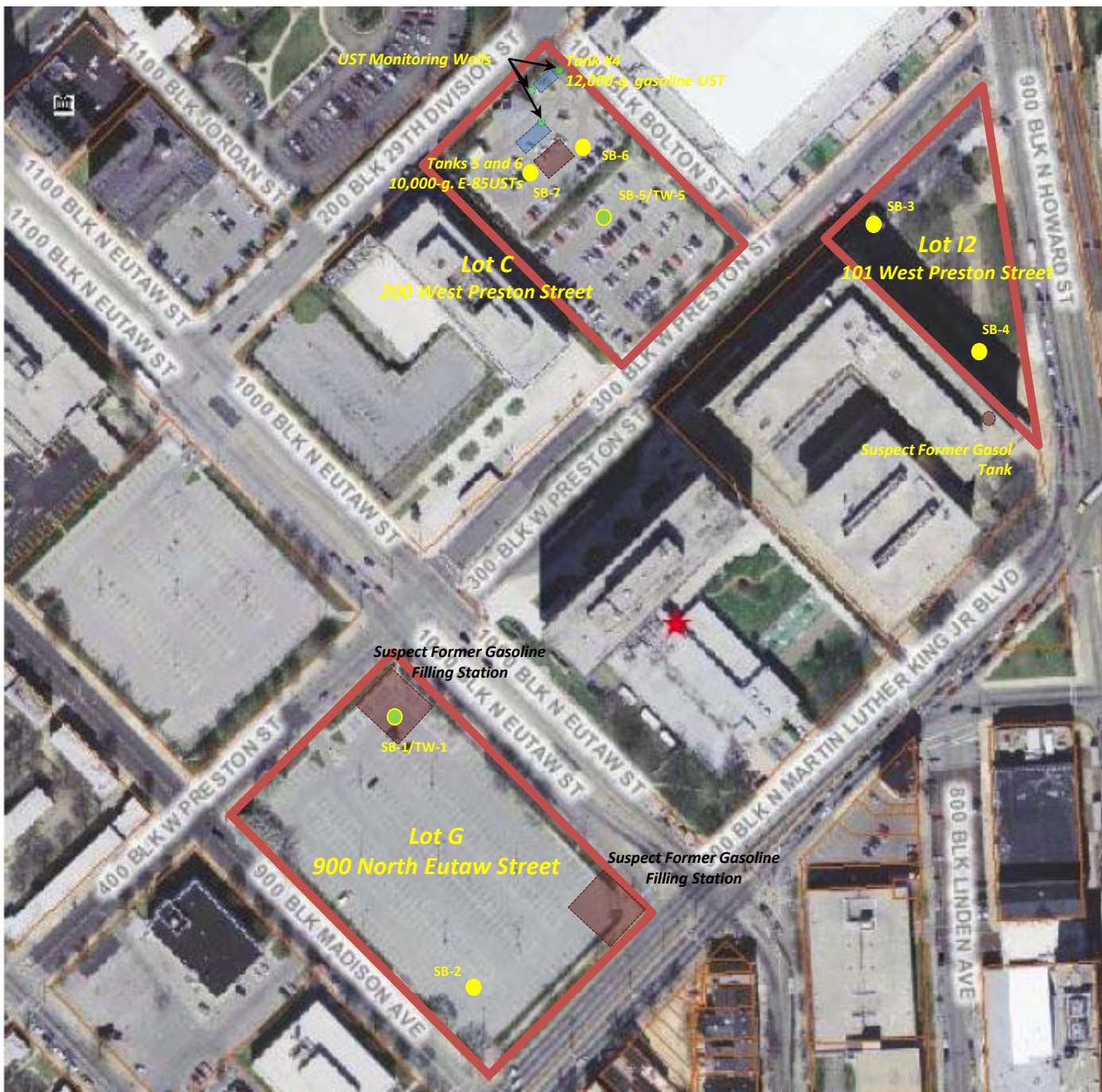


**Legend**

— Property Boundaries

Basemap Source: Topozone.com





**Legend**

- Property Boundaries
- UST Locations
- Suspect Former UST Locations
- Soil Boring Location
- Soil Boring/Temp Groundwater Well Location
- UST Monitoring Well

UG

State Center LLC  
Baltimore, Maryland

Figure 2 Soil and Groundwater  
Sampling Locations  
State Center Property Parcels  
Baltimore, Maryland 21201

Date:  
October 2009

Figure:  
2

Approximate Scale:  
Not to Scale

Project Number:  
016-005-09

**Table 1 Summary of Soil Analytical Results**  
**Limited Phase II Environmental Site Assessment**  
**State Center Property -Parcels G, C, and I2, Baltimore, Maryland 21201**

ANALYTE	MDE Cleanup Standard - Residential <sup>(1)</sup>	MDE Cleanup Standard - Non Residential <sup>(1)</sup>	ATC <sup>(2)</sup>	Parcel G				Parcel I2				Parcel C					
				SB-1 0-1	SB-1 4-5	SB-2 0-1	SB-2 19-20	SB-3 0-1	SB-3 4-5	SB-4 0-1	SB-4 4-5	SB-5 0-1	SB-5 4-5	SB-6 15	SB-7 14		
<b>Pesticides (SW8081A / ug/kg)</b>	NA	NA	NA	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	ND	Not analyzed	Not analyzed	Not analyzed
<b>Herbicides (SW8151A / ug/kg)</b>	NA	NA	NA	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	ND	Not analyzed	Not analyzed	Not analyzed
<b>PCBs (SW8082 / mg/kg)</b>	NA	NA	NA	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	ND	Not analyzed	Not analyzed	Not analyzed
<b>Priority Pollutant Metals (SW6020 / mg/kg)</b>																Not analyzed	Not analyzed
Antimony	3.1	41	6	< 2.5	< 2.6	< 1.9	< 2	< 1.8	< 1.7	< 2.6	< 2.3	< 1.8	< 2.1				
Arsenic	0.43	1.9	3.6	1.7	0.63	1.1	< 0.4	2.2	2.5	2.6	1.3	10.0	4.0				
Beryllium	16	200	0.66	< 2.5	< 2.6	< 1.9	< 2	< 1.8	< 1.7	< 2.6	< 2.3	< 1.8	< 2.1				
Cadmium	3.9	51	0.73	< 2.5	< 2.6	< 1.9	< 2	< 1.8	< 1.7	< 2.6	< 2.3	< 1.8	< 2.1				
Chromium	23	310	28	25	3.1	21	< 2	15	14	43	29	23	24				
Copper	310	4,100	12	31	< 2.6	12	< 2	8.6	3.5	30	28	6.6	7				
Lead	400	1000	45	21	< 2.6	2.6	< 2	53	23	16	7.4	13	5.5				
Mercury	--	--	0.51	< 0.099	< 0.1	< 0.076	< 0.081	0.078	< 0.07	< 0.11	< 0.093	< 0.074	< 0.084				
Nickel	160	2,000	13	7.9	< 2.6	7.8	< 2	6.7	5.8	35	32	< 1.8	2.7				
Selenium	39	510	2.2	< 2.5	< 2.6	< 1.9	< 2	< 1.8	< 1.7	< 2.6	< 2.3	< 1.8	< 2.1				
Silver	39	510	0.94	< 2.5	< 2.6	< 1.9	< 2	< 1.8	< 1.7	< 2.6	< 2.3	< 1.8	< 2.1				
Thallium	0.55	7.2	3.9	< 2	< 2	< 1.5	< 1.6	< 1.5	< 1.4	< 2.1	< 2.3	< 1.5	< 1.7				
Zinc	2,300	31,000	63	38	31	42	< 2	33	17	76	74	9.3	6.7				
<b>Polycyclic Aromatic Hydrocarbons (SW8270C / ug/kg)</b>																Not analyzed	Not analyzed
Acenaphthene	470,000	6,100,000	NA	6	< 5	< 5	< 5	14	< 5	< 6	< 5	< 6	< 6				
Acenaphthylene	470,000	6,100,000	NA	< 5	< 5	< 5	< 5	340	< 5	< 6	< 5	< 6	< 6				
Anthracene	2,300,000	31,000,000	NA	< 5	< 5	< 5	< 5	120	< 5	< 6	< 5	< 6	< 6				
Benzo(a)anthracene	220	3,900	NA	9	< 5	17	< 5	330	< 5	13	8	< 6	< 6				
Benzo(a)pyrene	22	390	NA	8	< 5	20	< 5	800	< 5	12	6	< 6	< 6				
Benzo(b)fluoranthene	220	3,900	NA	16	< 5	42	< 5	820	< 5	16	10	< 6	< 6				
Benzo(g,h,i)perylene	230,000	3,100,000	NA	7	< 5	15	< 2	250	< 5	< 6	< 5	< 6	< 6				
Benzo(k)fluoranthene	2,200	39,000	NA	< 5	< 5	< 5	< 5	260	< 5	7	5	< 6	< 6				
Chrysene	22,000	390,000	NA	< 5	< 5	21	< 5	380	< 5	13	8	< 6	< 6				
Dibenz(a,h)anthracene	22	390	NA	< 5	< 5	9	< 5	60	< 5	< 6	< 5	< 6	< 6				
Fluoranthene	310,000	4,100,000	NA	12	< 5	23	< 5	320	< 5	21	13	< 6	< 6				
Fluorene	310,000	4,100,000	NA	9	< 5	< 5	< 5	6	< 5	< 6	< 5	< 6	< 6				
Indeno(1,2,3-c,d)Pyrene	220	3,900	NA	6	< 5	10	< 5	230	< 5	6	< 5	< 6	< 6				
2-Methylnaphthalene	31,000	410,000	NA	9	< 5	5	< 5	51	13	< 6	5	< 6	< 6				
Naphthalene	160,000	4,100,000	NA	< 5	< 5	< 5	< 5	75	14	< 6	< 5	< 6	< 6				
Phenanthrene	2,300,000	31,000,000	NA	45	< 5	27	< 5	130	< 5	12	13	< 6	< 6				
Pyrene	230,000	3,100,000	NA	26	< 5	61	< 5	840	< 5	28	16	< 6	< 6				
<b>Volatile Organic Compounds (SW8260B / ug/kg)</b>				Not analyzed	ND	Not analyzed	ND	Not analyzed	ND	Not analyzed	ND	Not analyzed	ND	Not analyzed	ND	Not analyzed	Not analyzed
<b>Total Petroleum Hydrocarbons (SW8015C / mg/kg)</b>				Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed		
Gasoline Range Organics	230	620	NA													< 0.21	< 0.21
Diesel Range Organics	230	620	NA													< 11	< 11

**Notes / Superscripts**

Only detected analytes are shown.

(1) State of Maryland Department of the Environment Cleanup Standards for Soil and Groundwater, Interim Final Guidance, Update No. 2.1 (MDE 2008).

(2) Anticipated Typical Concentrations (ATCs) represent reference or background levels published by the MDE for the Site area.

ND - Analyte(s) not detected in sample.

Not Analyzed - sample not analyzed for select parameters.

**Table 2 Summary of Groundwater Analytical Results  
 Limited Phase II Environmental Site Assessment  
 State Center Property - Parcels G, C, and I2, Baltimore, Maryland 21201**

ANALYTE	MDE Cleanup Standard - Groundwater <sup>(1)</sup>	PARCEL G TW-1	PARCEL C TW-5
<b><i>Volatile Organic Compounds (SW8260B / ug/l)</i></b>			
tert-Amyl methyl ether (TAME)	--	ND	2
Methyl T-butyl Ether (MTBE)	20	ND	15

Notes / Superscripts

Only detected analytes are shown.

(1) State of Maryland Department of the Environment Cleanup Standards for Soil and Groundwater, Interim Final Guidance, Update No. 2.1 (MDE 2008).

ND - Analyte not detected in sample

**APPENDIX A**  
**SITE PHOTOGRAPHS**



APPENDIX A - SITE PHOTOGRAPHS

Limited Phase II Environmental Site Assessment Report  
State Center Property – Parcels G, C, and I2  
Baltimore, Maryland



**Photo 1. Parcel G**



**Photo 2. Soil Boring SB-1**



**Photo 3. Soil Boring SB-2**



**Photo 4. Parcel C**  
(note fueling station on upper lot in background)



**Photo 5. Soil Boring SB-6**



**Photo 6. Soil Boring SB-7**



APPENDIX A - SITE PHOTOGRAPHS

Limited Phase II Environmental Site Assessment Report  
State Center Property – Parcels G, C, and I2  
Baltimore, Maryland



**Photo 7. Soil Boring SB-5**



**Photo 8. Parcel I2**



**Photo 9. Soil Boring SB-3**



**Photo 10. Soil Boring SB-4**

**APPENDIX B**  
SOIL BORING LOGS

SOIL BORING LOG			HOLE NUMBER					
1. COMPANY NAME URBAN GREEN ENVIRONMENTAL			2. DRILL SUBCONTRACTOR GREEN SERVICES INC.			SB-1	SHEET SHEETS 1 of 7	
3. PROJECT 016-005-09 State Center, Limited Phase II Environmental Site Assessment								
7. NAME OF DRILLER Don			8. MANUFACTURER'S DESIGNATION OF DRILL GEOPROBE 5410					
9. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 2" X 4" MACROCORE TYPE OF LINER USED, IF APPLICABLE HDPE			10. SURFACE ELEVATION AND CONDITIONS  ASPHALT					
11. DIRECT READING PARAMETERS: VOCs (PID)			12. DATE STARTED 10/3/2009 0740		13. DATE COMPLETED 10/3/2009 0837			
14. OVERBURDEN THICKNESS > 32 ft bg			15. DEPTH GROUNDWATER ENCOUNTERED 31.5 ft bg					
16. DEPTH DRILLED INTO ROCK NA			17. DEPTH TO WATER AND ELAPSED TIME ATFER DRILLING COMPLETED NA					
18. TOTAL DEPTH OF HOLE 32 ft bg			19. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) NA					
20. WELL INSTALLED? NO		IF SO COMPLETE CONSTRUCTION DIAGRAM NA		SAMPLE TYPE: Grab				
21. SAMPLE INTERVAL AND DESIGNATION FOR LAB ANALYSIS  SB-1 0-1 / SB-1 4-5 / TW-1			SAMPLE INTERVAL AND DESIGNATION FOR FIELD SCREENING ANALYSIS  FIELD SCREENING FOR VOCs USING A PID AT 2 FT INTERVALS			SCREENING ANALYSIS  VOCs		
22. DISPOSITION OF HOLE IF NOT A WELL, BACKFILLED WITH: SOIL CUTTING			23. GEOLOGIST D. SULLIVAN					
USCS LOG (a)	DEPTH (FT) (b)	DESCRIPTION OF MATERIALS (c)	DIRECT READING (d)		ANALYTICAL SAMPLE DESIGN. (e)	DEPTH (FT) (f)	RECOVERY (%) (g)	REMARKS
			VOC (ppm)	RAD (uR/hr)				
	0 - 0.5	Asphalt Cover	0.0					
	0.5-2.5	FILL; medium to fine SAND, some gravel, light brown.	0.0		SB-1 0-1 collected at 0830 for PPL Metals and PAHs.		75%	No visual staining or chemical odor.
	2.5 - 6.5	Fine sandy SILT, some gravel, red.	0.0					
	6.5 - 8	Fine sandy SILT, some clay, brown.	0.0		SB-1 4-5 collected at 0835 for PPL Metals, PAHs, and VOCs.		75%	No visual staining or chemical odor.
	8 - 10	Medium to coarse SAND, some gravel, light brown.	0.0					
	10 - 13	Fine sandy SILT, little clay, reddish brown.	0.0				100%	No visual staining or chemical odor.
	13 - 17	Medium to fine SAND, reddish brown.	0.0				100%	No visual staining or chemical odor.
	17 - 22	Loose, fine to coarse SAND, light brown.	0.0				100%	No visual staining or chemical odor.
	22 - 23	Fine to coarse SAND, little silt, light brown.	0.0				100%	No visual staining or chemical odor.
	23 - 32	Fine to coarse SAND, light brown.	0.0				100%	No visual staining or chemical odor.
			0.0				100%	No visual staining or chemical odor.
			0.0				100%	No visual staining or chemical odor.
			0.0				100%	No visual staining or chemical odor.
			0.0				100%	No visual staining or chemical odor.
		End soil boring at 32 feet below grade. Wet at 31.5 feet below grade. Set tempoyary casing for groundwater sample collection.			TW-1 collected at 0935 for VOCs.			
PROJECT: 016-005-09 STATE CENTER, LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT			HOLE NO.:		SB-1			















**APPENDIX C**  
LABORATORY ANALYTICAL REPORT



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 8:30  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-1 0-1'	Matrix:	Soil	Lab ID:	09100501-01		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Percent Solids</b>							
Percent Solids	94	%		SM2540G	10/06/09	10/07/09 10:48	LMJ
<b>Polycyclic Aromatic Hydrocarbons (SIM)</b>							
Acenaphthene	6	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Acenaphthylene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Anthracene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Benzo[a]anthracene	9	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Benzo[a]pyrene	8	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Benzo[b]fluoranthene	16	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Benzo[g,h,i]perylene	7	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Benzo[k]fluoranthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Chrysene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Dibenz[a,h]anthracene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Fluoranthene	12	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Fluorene	9	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Indeno[1,2,3-cd]pyrene	6	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
2-Methylnaphthalene	9	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Naphthalene`	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Phenanthrene	45	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
Pyrene	26	ug/kg	5	EPA 8270C	10/06/09	10/08/09 14:57	JKL
<b>Total Metals</b>							
Antimony	ND	mg/kg	2.5	EPA 6020A	10/06/09	10/07/09 13:27	MEL
Arsenic	1.7	mg/kg	0.5	EPA 6020A	10/06/09	10/07/09 13:27	MEL
Beryllium	ND	mg/kg	2.5	EPA 6020A	10/06/09	10/07/09 13:27	MEL
Cadmium	ND	mg/kg	2.5	EPA 6020A	10/06/09	10/07/09 13:27	MEL
Chromium	25	mg/kg	2.5	EPA 6020A	10/06/09	10/07/09 13:27	MEL
Copper	31	mg/kg	2.5	EPA 6020A	10/06/09	10/08/09 12:59	MEL
Lead	21	mg/kg	2.5	EPA 6020A	10/06/09	10/07/09 13:27	MEL
Mercury	ND	mg/kg	0.099	EPA 6020A	10/06/09	10/07/09 13:27	MEL
Nickel	7.9	mg/kg	2.5	EPA 6020A	10/06/09	10/07/09 13:27	MEL
Selenium	ND	mg/kg	2.5	EPA 6020A	10/06/09	10/07/09 13:27	MEL
Silver	ND	mg/kg	2.5	EPA 6020A	10/06/09	10/07/09 13:27	MEL
Thallium	ND	mg/kg	2	EPA 6020A	10/06/09	10/07/09 13:27	MEL
Zinc	38	mg/kg	2.5	EPA 6020A	10/06/09	10/08/09 12:59	MEL

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation  
ND - Not Detected at a concentration greater than or equal to the LLQ.  
Results reported on a dry weight basis.

Approved by:

QC Chemist



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 8:35  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-1 4-5'	Matrix:	Soil	Lab ID:	09100501-02		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Percent Solids</b>							
Percent Solids	87	%		SM2540G	10/06/09	10/07/09 10:48	LMJ
<b>Polycyclic Aromatic Hydrocarbons (SIM)</b>							
Acenaphthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Acenaphthylene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Anthracene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Benzo[a]anthracene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Benzo[a]pyrene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Benzo[b]fluoranthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Benzo[g,h,i]perylene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Benzo[k]fluoranthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Chrysene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Dibenz[a,h]anthracene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Fluoranthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Fluorene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Indeno[1,2,3-cd]pyrene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
2-Methylnaphthalene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Naphthalene`	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Phenanthrene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
Pyrene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 15:36	JKL
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
Chloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
Vinyl chloride	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
Bromomethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
Chloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
Trichlorofluoromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
1,1-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
Acetone	ND	ug/kg	49	EPA 8260B	10/06/09	10/06/09 12:37	JKL
Carbon disulfide	ND	ug/kg	10	EPA 8260B	10/06/09	10/06/09 12:37	JKL
Methyl acetate	ND	ug/kg	24	EPA 8260B	10/06/09	10/06/09 12:37	JKL
Methylene chloride	ND	ug/kg	24	EPA 8260B	10/06/09	10/06/09 12:37	JKL
trans-1,2-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
Methyl t-butyl ether (MTBE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
1,1-Dichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
cis-1,2-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
2-Butanone (MEK)	ND	ug/kg	49	EPA 8260B	10/06/09	10/06/09 12:37	JKL
Chloroform	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL
1,1,1-Trichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37	JKL



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 8:35  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID: SB-1 4-5' Matrix: Soil Lab ID: 09100501-02

Result Unit LLQ Method Prepared Analyzed Init.

### Target Compound List - VOLATILES

Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Cyclohexane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Carbon tetrachloride	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Benzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
1,2-Dichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Trichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Methylcyclohexane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
1,2-Dichloropropane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Bromodichloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
cis-1,3-Dichloropropene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Toluene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
trans-1,3-Dichloropropene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
1,1,2-Trichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Tetrachloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
2-Hexanone (MBK)	ND	ug/kg	10	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Dibromochloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
1,2-Dibromoethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Chlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Ethylbenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
m&p-Xylene	ND	ug/kg	10	EPA 8260B	10/06/09	10/06/09 12:37 JKL
o-Xylene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Styrene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Bromoform	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Isopropylbenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
1,3-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
1,4-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
1,2-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
1,2-Dibromo-3-chloropropane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
1,2,4-Trichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Naphthalene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Ethyl t-butyl ether (ETBE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
tert-Butanol (TBA)	ND	ug/kg	24	EPA 8260B	10/06/09	10/06/09 12:37 JKL
Diisopropyl ether (DIPE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
tert-Amyl methyl ether (TAME)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL
tert-Amyl alcohol (TAA)	ND	ug/kg	24	EPA 8260B	10/06/09	10/06/09 12:37 JKL
tert-Amyl ethyl ether (TAEE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 12:37 JKL

### Total Metals

Antimony	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 13:45 MEL
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# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 8:35  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-1 4-5'	Matrix:	Soil	Lab ID:	09100501-02			
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.	
<b>Total Metals</b>								
Arsenic	0.63	mg/kg	0.51	EPA 6020A	10/06/09	10/07/09 13:45	MEL	
Beryllium	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 13:45	MEL	
Cadmium	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 13:45	MEL	
Chromium	3.1	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 13:45	MEL	
Copper	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/08/09 13:12	MEL	
Lead	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 13:45	MEL	
Mercury	ND	mg/kg	0.1	EPA 6020A	10/06/09	10/07/09 13:45	MEL	
Nickel	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 13:45	MEL	
Selenium	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 13:45	MEL	
Silver	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 13:45	MEL	
Thallium	ND	mg/kg	2	EPA 6020A	10/06/09	10/07/09 13:45	MEL	
Zinc	31	mg/kg	2.6	EPA 6020A	10/06/09	10/08/09 13:12	MEL	

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Results reported on a dry weight basis.

Approved by:

QC Chemist



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 9:04  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-2 0-1'	Matrix:	Soil	Lab ID:	09100501-03		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Percent Solids</b>							
Percent Solids	95	%		SM2540G	10/06/09	10/07/09 10:48	LMJ
<b>Polycyclic Aromatic Hydrocarbons (SIM)</b>							
Acenaphthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Acenaphthylene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Anthracene	32	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Benzo[a]anthracene	17	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Benzo[a]pyrene	20	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Benzo[b]fluoranthene	42	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Benzo[g,h,i]perylene	15	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Benzo[k]fluoranthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Chrysene	21	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Dibenz[a,h]anthracene	9	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Fluoranthene	23	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Fluorene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Indeno[1,2,3-cd]pyrene	10	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
2-Methylnaphthalene	5	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Naphthalene`	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Phenanthrene	27	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
Pyrene	61	ug/kg	5	EPA 8270C	10/06/09	10/08/09 16:15	JKL
<b>Total Metals</b>							
Antimony	ND	mg/kg	1.9	EPA 6020A	10/06/09	10/07/09 13:51	MEL
Arsenic	1.1	mg/kg	0.38	EPA 6020A	10/06/09	10/07/09 13:51	MEL
Beryllium	ND	mg/kg	1.9	EPA 6020A	10/06/09	10/07/09 13:51	MEL
Cadmium	ND	mg/kg	1.9	EPA 6020A	10/06/09	10/07/09 13:51	MEL
Chromium	21	mg/kg	1.9	EPA 6020A	10/06/09	10/07/09 13:51	MEL
Copper	12	mg/kg	1.9	EPA 6020A	10/06/09	10/08/09 13:16	MEL
Lead	2.6	mg/kg	1.9	EPA 6020A	10/06/09	10/07/09 13:51	MEL
Mercury	ND	mg/kg	0.076	EPA 6020A	10/06/09	10/07/09 13:51	MEL
Nickel	7.8	mg/kg	1.9	EPA 6020A	10/06/09	10/07/09 13:51	MEL
Selenium	ND	mg/kg	1.9	EPA 6020A	10/06/09	10/07/09 13:51	MEL
Silver	ND	mg/kg	1.9	EPA 6020A	10/06/09	10/07/09 13:51	MEL
Thallium	ND	mg/kg	1.5	EPA 6020A	10/06/09	10/07/09 13:51	MEL
Zinc	42	mg/kg	1.9	EPA 6020A	10/06/09	10/08/09 13:16	MEL

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Results reported on a dry weight basis.

Approved by:

QC Chemist



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 9:20  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-2 19-20'	Matrix:	Soil	Lab ID:	09100501-04		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Percent Solids</b>							
Percent Solids	90	%		SM2540G	10/06/09	10/07/09 10:48	LMJ
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Chloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Vinyl chloride	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Bromomethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Chloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Trichlorofluoromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,1-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Acetone	ND	ug/kg	46	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Carbon disulfide	ND	ug/kg	9	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Methyl acetate	ND	ug/kg	23	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Methylene chloride	ND	ug/kg	23	EPA 8260B	10/06/09	10/06/09 13:11	JKL
trans-1,2-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Methyl t-butyl ether (MTBE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,1-Dichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
cis-1,2-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
2-Butanone (MEK)	ND	ug/kg	46	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Chloroform	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,1,1-Trichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Cyclohexane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Carbon tetrachloride	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Benzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,2-Dichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Trichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Methylcyclohexane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,2-Dichloropropane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Bromodichloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
cis-1,3-Dichloropropene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Toluene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
trans-1,3-Dichloropropene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,1,2-Trichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Tetrachloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
2-Hexanone (MBK)	ND	ug/kg	9	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Dibromochloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,2-Dibromoethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Chlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL





# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 9:20  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID: SB-2 19-20' Matrix: Soil Lab ID: 09100501-04

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
Ethylbenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
m&p-Xylene	ND	ug/kg	9	EPA 8260B	10/06/09	10/06/09 13:11	JKL
o-Xylene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Styrene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Bromoform	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Isopropylbenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,3-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,4-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,2-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,2-Dibromo-3-chloropropane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
1,2,4-Trichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Naphthalene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Ethyl t-butyl ether (ETBE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
tert-Butanol (TBA)	ND	ug/kg	23	EPA 8260B	10/06/09	10/06/09 13:11	JKL
Diisopropyl ether (DIPE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
tert-Amyl methyl ether (TAME)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL
tert-Amyl alcohol (TAA)	ND	ug/kg	23	EPA 8260B	10/06/09	10/06/09 13:11	JKL
tert-Amyl ethyl ether (TAE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:11	JKL

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Results reported on a dry weight basis.

Approved by:

QC Chemist



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 9:35  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID: TW-1 Matrix: Water Lab ID: 09100501-05

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Chloromethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Vinyl chloride	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Bromomethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Chloroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,1-Dichloroethene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Acetone	ND	ug/L	10	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Carbon disulfide	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Methyl acetate	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Methylene chloride	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:05	JKL
trans-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Methyl t-butyl ether (MTBE)	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,1-Dichloroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
cis-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
2-Butanone (MEK)	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Chloroform	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,1,1-Trichloroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Cyclohexane	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Carbon tetrachloride	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Benzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,2-Dichloroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Trichloroethene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Methylcyclohexane	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,2-Dichloropropane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Bromodichloromethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
cis-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Toluene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
trans-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,1,2-Trichloroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Tetrachloroethene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
2-Hexanone (MBK)	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Dibromochloromethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,2-Dibromoethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Chlorobenzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Ethylbenzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
m&p-Xylene	ND	ug/L	2	EPA 8260B	10/07/09	10/07/09 17:05	JKL
o-Xylene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 9:35  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	TW-1	Matrix:	Water	Lab ID:	09100501-05		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
Styrene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Bromoform	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Isopropylbenzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,1,2,2-Tetrachloroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,3-Dichlorobenzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,4-Dichlorobenzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,2-Dichlorobenzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,2-Dibromo-3-chloropropane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
1,2,4-Trichlorobenzene	ND	ug/L	2	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Naphthalene	ND	ug/L	3	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Ethyl t-butyl ether (ETBE)	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	10/07/09	10/07/09 17:05	JKL
Diisopropyl ether (DIPE)	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
tert-Amyl methyl ether (TAME)	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	10/07/09	10/07/09 17:05	JKL
tert-Amyl ethyl ether (TAE)	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:05	JKL

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:   
QC Chemist



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 10:23  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-6 15'	Matrix:	Soil	Lab ID:	09100501-06		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Percent Solids</b>							
Percent Solids	88	%		SM2540G	10/06/09	10/07/09 10:48	LMJ
<b>Total Petroleum Hydrocarbons - (C10-C28) DRO</b>							
Diesel Range Organics	ND	mg/kg	11	EPA 8015C	10/05/09	10/05/09 18:07	SAK
<b>Total Petroleum Hydrocarbons - (C6-C10) GRO</b>							
Gasoline Range Organics	ND	mg/kg	0.21	EPA 8015C	10/05/09	10/05/09 14:25	AC

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation  
ND - Not Detected at a concentration greater than or equal to the LLQ.  
Results reported on a dry weight basis.

Approved by:

QC Chemist





# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 11:30  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-5 0-1'	Matrix:	Soil	Lab ID:	09100501-08		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Chlorinated Herbicides</b>							
Dicamba	ND	ug/kg	22	EPA 8151A	10/07/09	10/12/09 10:42	SAK
MCPPP	ND	ug/kg	2200	EPA 8151A	10/07/09	10/12/09 10:42	SAK
MCPA	ND	ug/kg	2200	EPA 8151A	10/07/09	10/12/09 10:42	SAK
Dichloroprop	ND	ug/kg	22	EPA 8151A	10/07/09	10/12/09 10:42	SAK
2,4-D	ND	ug/kg	22	EPA 8151A	10/07/09	10/12/09 10:42	SAK
2,4,5-TP (Silvex)	ND	ug/kg	22	EPA 8151A	10/07/09	10/12/09 10:42	SAK
2,4,5-T	ND	ug/kg	22	EPA 8151A	10/07/09	10/12/09 10:42	SAK
Dinoseb	ND	ug/kg	22	EPA 8151A	10/07/09	10/12/09 10:42	SAK
2,4-DB	ND	ug/kg	22	EPA 8151A	10/07/09	10/12/09 10:42	SAK
<b>Organochlorine Pesticides</b>							
Aldrin	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
a-BHC	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
b-BHC	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
g-BHC (Lindane)	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
d-BHC	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
a-Chlordane	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
g-Chlordane	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
4,4-DDD	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
4,4-DDE	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
4,4-DDT	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
Dieldrin	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
Endosulfan I	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
Endosulfan II	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
Endosulfan Sulfate	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
Endrin	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
Endrin Aldehyde	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
Endrin Ketone	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
Heptachlor	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
Heptachlor Epoxide	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
Methoxychlor	ND	ug/kg	11	EPA 8081A	10/05/09	10/06/09 12:59	SAK
Toxaphene	ND	ug/kg		EPA 8081A	10/05/09	10/06/09 12:59	SAK
<b>Percent Solids</b>							
Percent Solids	89	%		SM2540G	10/06/09	10/07/09 10:48	LMJ
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	mg/kg	0.056	EPA 8082	10/05/09	10/06/09 12:22	SAK
Aroclor 1221	ND	mg/kg	0.056	EPA 8082	10/05/09	10/06/09 12:22	SAK
Aroclor 1232	ND	mg/kg	0.056	EPA 8082	10/05/09	10/06/09 12:22	SAK
Aroclor 1242	ND	mg/kg	0.056	EPA 8082	10/05/09	10/06/09 12:22	SAK
Aroclor 1248	ND	mg/kg	0.056	EPA 8082	10/05/09	10/06/09 12:22	SAK



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 11:30  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	Matrix: Soil			Lab ID: 09100501-08			
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Polychlorinated Biphenyls</b>							
Aroclor 1254	ND	mg/kg	0.056	EPA 8082	10/05/09	10/06/09 12:22	SAK
Aroclor 1260	ND	mg/kg	0.056	EPA 8082	10/05/09	10/06/09 12:22	SAK
<b>Polycyclic Aromatic Hydrocarbons (SIM)</b>							
Acenaphthene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Acenaphthylene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Anthracene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Benzo[a]anthracene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Benzo[a]pyrene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Benzo[b]fluoranthene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Benzo[g,h,i]perylene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Benzo[k]fluoranthene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Chrysene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Dibenz[a,h]anthracene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Fluoranthene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Fluorene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Indeno[1,2,3-cd]pyrene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
2-Methylnaphthalene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Naphthalene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Phenanthrene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
Pyrene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 16:56	JKL
<b>Total Metals</b>							
Antimony	ND	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 13:57	MEL
Arsenic	<b>10</b>	mg/kg	0.37	EPA 6020A	10/06/09	10/07/09 13:57	MEL
Beryllium	ND	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 13:57	MEL
Cadmium	ND	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 13:57	MEL
Chromium	<b>23</b>	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 13:57	MEL
Copper	<b>6.6</b>	mg/kg	1.8	EPA 6020A	10/06/09	10/08/09 13:20	MEL
Lead	<b>13</b>	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 13:57	MEL
Mercury	ND	mg/kg	0.074	EPA 6020A	10/06/09	10/07/09 13:57	MEL
Nickel	ND	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 13:57	MEL
Selenium	ND	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 13:57	MEL
Silver	ND	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 13:57	MEL
Thallium	ND	mg/kg	1.5	EPA 6020A	10/06/09	10/07/09 13:57	MEL
Zinc	<b>9.3</b>	mg/kg	1.8	EPA 6020A	10/06/09	10/08/09 13:20	MEL



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 11:30  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID: SB-5 0-1' Matrix: Soil Lab ID: 09100501-08

Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
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Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Results reported on a dry weight basis.

Approved by:

QC Chemist





# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 11:35  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-5 4-5'	Matrix:	Soil	Lab ID:	09100501-09		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Percent Solids</b>							
Percent Solids	87	%		SM2540G	10/06/09	10/07/09 10:48	LMJ
<b>Polycyclic Aromatic Hydrocarbons (SIM)</b>							
Acenaphthene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Acenaphthylene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Anthracene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Benzo[a]anthracene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Benzo[a]pyrene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Benzo[b]fluoranthene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Benzo[g,h,i]perylene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Benzo[k]fluoranthene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Chrysene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Dibenz[a,h]anthracene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Fluoranthene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Fluorene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Indeno[1,2,3-cd]pyrene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
2-Methylnaphthalene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Naphthalene`	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Phenanthrene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
Pyrene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 17:39	JKL
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Chloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Vinyl chloride	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Bromomethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Chloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Trichlorofluoromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,1-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Acetone	ND	ug/kg	47	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Carbon disulfide	ND	ug/kg	9	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Methyl acetate	ND	ug/kg	24	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Methylene chloride	ND	ug/kg	24	EPA 8260B	10/06/09	10/06/09 13:47	JKL
trans-1,2-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Methyl t-butyl ether (MTBE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,1-Dichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
cis-1,2-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
2-Butanone (MEK)	ND	ug/kg	47	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Chloroform	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,1,1-Trichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 11:35  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID: SB-5 4-5' Matrix: Soil Lab ID: 09100501-09

Result Unit LLQ Method Prepared Analyzed Init.

### Target Compound List - VOLATILES

Cyclohexane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Carbon tetrachloride	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Benzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,2-Dichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Trichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Methylcyclohexane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,2-Dichloropropane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Bromodichloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
cis-1,3-Dichloropropene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Toluene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
trans-1,3-Dichloropropene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,1,2-Trichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Tetrachloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
2-Hexanone (MBK)	ND	ug/kg	9	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Dibromochloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,2-Dibromoethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Chlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Ethylbenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
m&p-Xylene	ND	ug/kg	9	EPA 8260B	10/06/09	10/06/09 13:47	JKL
o-Xylene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Styrene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Bromoform	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Isopropylbenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,3-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,4-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,2-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,2-Dibromo-3-chloropropane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
1,2,4-Trichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Naphthalene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Ethyl t-butyl ether (ETBE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
tert-Butanol (TBA)	ND	ug/kg	24	EPA 8260B	10/06/09	10/06/09 13:47	JKL
Diisopropyl ether (DIPE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
tert-Amyl methyl ether (TAME)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL
tert-Amyl alcohol (TAA)	ND	ug/kg	24	EPA 8260B	10/06/09	10/06/09 13:47	JKL
tert-Amyl ethyl ether (TAEE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 13:47	JKL

### Total Metals

Antimony	ND	mg/kg	2.1	EPA 6020A	10/06/09	10/07/09 14:03	MEL
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# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 11:35  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-5 4-5'	Matrix:	Soil	Lab ID:	09100501-09		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Total Metals</b>							
Arsenic	4.0	mg/kg	0.42	EPA 6020A	10/06/09	10/07/09 14:03	MEL
Beryllium	ND	mg/kg	2.1	EPA 6020A	10/06/09	10/07/09 14:03	MEL
Cadmium	ND	mg/kg	2.1	EPA 6020A	10/06/09	10/07/09 14:03	MEL
Chromium	24	mg/kg	2.1	EPA 6020A	10/06/09	10/07/09 14:03	MEL
Copper	7.0	mg/kg	2.1	EPA 6020A	10/06/09	10/08/09 13:25	MEL
Lead	5.5	mg/kg	2.1	EPA 6020A	10/06/09	10/07/09 14:03	MEL
Mercury	ND	mg/kg	0.084	EPA 6020A	10/06/09	10/07/09 14:03	MEL
Nickel	2.7	mg/kg	2.1	EPA 6020A	10/06/09	10/07/09 14:03	MEL
Selenium	ND	mg/kg	2.1	EPA 6020A	10/06/09	10/07/09 14:03	MEL
Silver	ND	mg/kg	2.1	EPA 6020A	10/06/09	10/07/09 14:03	MEL
Thallium	ND	mg/kg	1.7	EPA 6020A	10/06/09	10/07/09 14:03	MEL
Zinc	6.7	mg/kg	2.1	EPA 6020A	10/06/09	10/08/09 13:25	MEL

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Results reported on a dry weight basis.

Approved by:

QC Chemist



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 12:10  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID: TW-5 Matrix: Water Lab ID: 09100501-10

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Chloromethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Vinyl chloride	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Bromomethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Chloroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,1-Dichloroethene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Acetone	ND	ug/L	10	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Carbon disulfide	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Methyl acetate	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Methylene chloride	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:45	JKL
trans-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Methyl t-butyl ether (MTBE)	15	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,1-Dichloroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
cis-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
2-Butanone (MEK)	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Chloroform	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,1,1-Trichloroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Cyclohexane	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Carbon tetrachloride	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Benzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,2-Dichloroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Trichloroethene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Methylcyclohexane	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,2-Dichloropropane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Bromodichloromethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
cis-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Toluene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
trans-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,1,2-Trichloroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Tetrachloroethene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
2-Hexanone (MBK)	ND	ug/L	5	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Dibromochloromethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,2-Dibromoethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Chlorobenzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Ethylbenzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
m&p-Xylene	ND	ug/L	2	EPA 8260B	10/07/09	10/07/09 17:45	JKL
o-Xylene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 12:10  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	TW-5	Matrix:	Water	Lab ID:	09100501-10		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
Styrene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Bromoform	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Isopropylbenzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,1,2,2-Tetrachloroethane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,3-Dichlorobenzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,4-Dichlorobenzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,2-Dichlorobenzene	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,2-Dibromo-3-chloropropane	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
1,2,4-Trichlorobenzene	ND	ug/L	2	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Naphthalene	ND	ug/L	3	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Ethyl t-butyl ether (ETBE)	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	10/07/09	10/07/09 17:45	JKL
Diisopropyl ether (DIPE)	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
tert-Amyl methyl ether (TAME)	2	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	10/07/09	10/07/09 17:45	JKL
tert-Amyl ethyl ether (TAE)	ND	ug/L	1	EPA 8260B	10/07/09	10/07/09 17:45	JKL

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 12:51  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-3 0-1'	Matrix:	Soil	Lab ID:	09100501-11		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Percent Solids</b>							
Percent Solids	81	%		SM2540G	10/06/09	10/07/09 10:47	LMJ
<b>Polycyclic Aromatic Hydrocarbons (SIM)</b>							
Acenaphthene	14	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Acenaphthylene	340	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Anthracene	120	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Benzo[a]anthracene	330	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Benzo[a]pyrene	800	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Benzo[b]fluoranthene	820	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Benzo[g,h,i]perylene	250	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Benzo[k]fluoranthene	260	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Chrysene	380	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Dibenz[a,h]anthracene	60	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Fluoranthene	320	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Fluorene	6	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Indeno[1,2,3-cd]pyrene	230	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
2-Methylnaphthalene	51	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Naphthalene`	75	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Phenanthrene	130	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
Pyrene	840	ug/kg	6	EPA 8270C	10/06/09	10/08/09 18:23	JKL
<b>Total Metals</b>							
Antimony	ND	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 14:10	MEL
Arsenic	2.2	mg/kg	0.37	EPA 6020A	10/06/09	10/07/09 14:10	MEL
Beryllium	ND	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 14:10	MEL
Cadmium	ND	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 14:10	MEL
Chromium	15	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 14:10	MEL
Copper	8.6	mg/kg	1.8	EPA 6020A	10/06/09	10/08/09 13:29	MEL
Lead	53	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 14:10	MEL
Mercury	0.078	mg/kg	0.073	EPA 6020A	10/06/09	10/07/09 14:10	MEL
Nickel	6.7	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 14:10	MEL
Selenium	ND	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 14:10	MEL
Silver	ND	mg/kg	1.8	EPA 6020A	10/06/09	10/07/09 14:10	MEL
Thallium	ND	mg/kg	1.5	EPA 6020A	10/06/09	10/07/09 14:10	MEL
Zinc	33	mg/kg	1.8	EPA 6020A	10/06/09	10/08/09 13:29	MEL

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Results reported on a dry weight basis.

Approved by:

QC Chemist





# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 13:00  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-3 4-5'	Matrix:	Soil	Lab ID:	09100501-12		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Percent Solids</b>							
Percent Solids	87	%		SM2540G	10/06/09	10/07/09 10:47	LMJ
<b>Polycyclic Aromatic Hydrocarbons (SIM)</b>							
Acenaphthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Acenaphthylene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Anthracene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Benzo[a]anthracene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Benzo[a]pyrene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Benzo[b]fluoranthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Benzo[g,h,i]perylene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Benzo[k]fluoranthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Chrysene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Dibenz[a,h]anthracene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Fluoranthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Fluorene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Indeno[1,2,3-cd]pyrene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
2-Methylnaphthalene	13	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Naphthalene`	14	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Phenanthrene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
Pyrene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 19:08	JKL
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Chloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Vinyl chloride	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Bromomethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Chloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Trichlorofluoromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,1-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Acetone	ND	ug/kg	50	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Carbon disulfide	ND	ug/kg	10	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Methyl acetate	ND	ug/kg	25	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Methylene chloride	ND	ug/kg	25	EPA 8260B	10/06/09	10/06/09 14:20	JKL
trans-1,2-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Methyl t-butyl ether (MTBE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,1-Dichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
cis-1,2-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
2-Butanone (MEK)	ND	ug/kg	50	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Chloroform	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,1,1-Trichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 13:00  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID: SB-3 4-5' Matrix: Soil Lab ID: 09100501-12

Result Unit LLQ Method Prepared Analyzed Init.

### Target Compound List - VOLATILES

Cyclohexane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Carbon tetrachloride	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Benzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,2-Dichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Trichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Methylcyclohexane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,2-Dichloropropane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Bromodichloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
cis-1,3-Dichloropropene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Toluene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
trans-1,3-Dichloropropene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,1,2-Trichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Tetrachloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
2-Hexanone (MBK)	ND	ug/kg	10	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Dibromochloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,2-Dibromoethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Chlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Ethylbenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
m&p-Xylene	ND	ug/kg	10	EPA 8260B	10/06/09	10/06/09 14:20	JKL
o-Xylene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Styrene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Bromoform	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Isopropylbenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,3-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,4-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,2-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,2-Dibromo-3-chloropropane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
1,2,4-Trichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Naphthalene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Ethyl t-butyl ether (ETBE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
tert-Butanol (TBA)	ND	ug/kg	25	EPA 8260B	10/06/09	10/06/09 14:20	JKL
Diisopropyl ether (DIPE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
tert-Amyl methyl ether (TAME)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL
tert-Amyl alcohol (TAA)	ND	ug/kg	25	EPA 8260B	10/06/09	10/06/09 14:20	JKL
tert-Amyl ethyl ether (TAEE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:20	JKL

### Total Metals

Antimony	ND	mg/kg	1.7	EPA 6020A	10/06/09	10/07/09 14:16	MEL
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# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 13:00  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-3 4-5'	Matrix:	Soil	Lab ID:	09100501-12			
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.	
<b>Total Metals</b>								
Arsenic	2.5	mg/kg	0.35	EPA 6020A	10/06/09	10/07/09 14:16	MEL	
Beryllium	ND	mg/kg	1.7	EPA 6020A	10/06/09	10/07/09 14:16	MEL	
Cadmium	ND	mg/kg	1.7	EPA 6020A	10/06/09	10/07/09 14:16	MEL	
Chromium	14	mg/kg	1.7	EPA 6020A	10/06/09	10/07/09 14:16	MEL	
Copper	3.5	mg/kg	1.7	EPA 6020A	10/06/09	10/08/09 13:34	MEL	
Lead	23	mg/kg	1.7	EPA 6020A	10/06/09	10/07/09 14:16	MEL	
Mercury	ND	mg/kg	0.07	EPA 6020A	10/06/09	10/07/09 14:16	MEL	
Nickel	5.8	mg/kg	1.7	EPA 6020A	10/06/09	10/07/09 14:16	MEL	
Selenium	ND	mg/kg	1.7	EPA 6020A	10/06/09	10/07/09 14:16	MEL	
Silver	ND	mg/kg	1.7	EPA 6020A	10/06/09	10/07/09 14:16	MEL	
Thallium	ND	mg/kg	1.4	EPA 6020A	10/06/09	10/07/09 14:16	MEL	
Zinc	17	mg/kg	1.7	EPA 6020A	10/06/09	10/08/09 13:34	MEL	

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Results reported on a dry weight basis.

Approved by:

QC Chemist



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 13:35  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-4 0-1'	Matrix:	Soil	Lab ID:	09100501-13		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Percent Solids</b>							
Percent Solids	85	%		SM2540G	10/06/09	10/07/09 10:47	LMJ
<b>Polycyclic Aromatic Hydrocarbons (SIM)</b>							
Acenaphthene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Acenaphthylene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Anthracene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Benzo[a]anthracene	13	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Benzo[a]pyrene	12	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Benzo[b]fluoranthene	16	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Benzo[g,h,i]perylene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Benzo[k]fluoranthene	7	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Chrysene	13	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Dibenz[a,h]anthracene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Fluoranthene	21	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Fluorene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Indeno[1,2,3-cd]pyrene	6	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
2-Methylnaphthalene	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Naphthalene`	ND	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Phenanthrene	12	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
Pyrene	28	ug/kg	6	EPA 8270C	10/06/09	10/08/09 19:53	JKL
<b>Total Metals</b>							
Antimony	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 14:22	MEL
Arsenic	2.6	mg/kg	0.53	EPA 6020A	10/06/09	10/07/09 14:22	MEL
Beryllium	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 14:22	MEL
Cadmium	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 14:22	MEL
Chromium	43	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 14:22	MEL
Copper	30	mg/kg	2.6	EPA 6020A	10/06/09	10/08/09 13:38	MEL
Lead	16	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 14:22	MEL
Mercury	ND	mg/kg	0.11	EPA 6020A	10/06/09	10/07/09 14:22	MEL
Nickel	35	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 14:22	MEL
Selenium	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 14:22	MEL
Silver	ND	mg/kg	2.6	EPA 6020A	10/06/09	10/07/09 14:22	MEL
Thallium	ND	mg/kg	2.1	EPA 6020A	10/06/09	10/07/09 14:22	MEL
Zinc	76	mg/kg	2.6	EPA 6020A	10/06/09	10/08/09 13:38	MEL

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Results reported on a dry weight basis.

Approved by:

QC Chemist



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 13:40  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-4 4-5'	Matrix:	Soil	Lab ID:	09100501-14		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Percent Solids</b>							
Percent Solids	91	%		SM2540G	10/06/09	10/07/09 10:47	LMJ
<b>Polycyclic Aromatic Hydrocarbons (SIM)</b>							
Acenaphthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Acenaphthylene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Anthracene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Benzo[a]anthracene	8	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Benzo[a]pyrene	6	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Benzo[b]fluoranthene	10	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Benzo[g,h,i]perylene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Benzo[k]fluoranthene	5	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Chrysene	8	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Dibenz[a,h]anthracene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Fluoranthene	13	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Fluorene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Indeno[1,2,3-cd]pyrene	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
2-Methylnaphthalene	5	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Naphthalene`	ND	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Phenanthrene	13	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
Pyrene	16	ug/kg	5	EPA 8270C	10/06/09	10/08/09 20:37	JKL
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
Chloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
Vinyl chloride	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
Bromomethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
Chloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
Trichlorofluoromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
1,1-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
Acetone	ND	ug/kg	48	EPA 8260B	10/06/09	10/06/09 14:56	JKL
Carbon disulfide	ND	ug/kg	10	EPA 8260B	10/06/09	10/06/09 14:56	JKL
Methyl acetate	ND	ug/kg	24	EPA 8260B	10/06/09	10/06/09 14:56	JKL
Methylene chloride	ND	ug/kg	24	EPA 8260B	10/06/09	10/06/09 14:56	JKL
trans-1,2-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
Methyl t-butyl ether (MTBE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
1,1-Dichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
cis-1,2-Dichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
2-Butanone (MEK)	ND	ug/kg	48	EPA 8260B	10/06/09	10/06/09 14:56	JKL
Chloroform	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL
1,1,1-Trichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56	JKL



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Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 13:40  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID: SB-4 4-5' Matrix: Soil Lab ID: 09100501-14

Result Unit LLQ Method Prepared Analyzed Init.

### Target Compound List - VOLATILES

Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Cyclohexane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Carbon tetrachloride	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Benzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
1,2-Dichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Trichloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Methylcyclohexane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
1,2-Dichloropropane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Bromodichloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
cis-1,3-Dichloropropene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Toluene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
trans-1,3-Dichloropropene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
1,1,2-Trichloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Tetrachloroethene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
2-Hexanone (MBK)	ND	ug/kg	10	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Dibromochloromethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
1,2-Dibromoethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Chlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Ethylbenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
m&p-Xylene	ND	ug/kg	10	EPA 8260B	10/06/09	10/06/09 14:56 JKL
o-Xylene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Styrene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Bromoform	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Isopropylbenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
1,1,2,2-Tetrachloroethane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
1,3-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
1,4-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
1,2-Dichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
1,2-Dibromo-3-chloropropane	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
1,2,4-Trichlorobenzene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Naphthalene	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Ethyl t-butyl ether (ETBE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
tert-Butanol (TBA)	ND	ug/kg	24	EPA 8260B	10/06/09	10/06/09 14:56 JKL
Diisopropyl ether (DIPE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
tert-Amyl methyl ether (TAME)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL
tert-Amyl alcohol (TAA)	ND	ug/kg	24	EPA 8260B	10/06/09	10/06/09 14:56 JKL
tert-Amyl ethyl ether (TAEE)	ND	ug/kg	5	EPA 8260B	10/06/09	10/06/09 14:56 JKL

### Total Metals

Antimony	ND	mg/kg	2.3	EPA 6020A	10/06/09	10/07/09 14:28 MEL
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# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 13:40  
Date Received: 10/05/09 9:00  
Date Issued: 10/12/09

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	SB-4 4-5'	Matrix:	Soil	Lab ID:	09100501-14		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Total Metals</b>							
Arsenic	1.3	mg/kg	0.46	EPA 6020A	10/06/09	10/07/09 14:28	MEL
Beryllium	ND	mg/kg	2.3	EPA 6020A	10/06/09	10/07/09 14:28	MEL
Cadmium	ND	mg/kg	2.3	EPA 6020A	10/06/09	10/07/09 14:28	MEL
Chromium	29	mg/kg	2.3	EPA 6020A	10/06/09	10/07/09 14:28	MEL
Copper	28	mg/kg	2.3	EPA 6020A	10/06/09	10/08/09 13:42	MEL
Lead	7.4	mg/kg	2.3	EPA 6020A	10/06/09	10/07/09 14:28	MEL
Mercury	ND	mg/kg	0.093	EPA 6020A	10/06/09	10/07/09 14:28	MEL
Nickel	32	mg/kg	2.3	EPA 6020A	10/06/09	10/07/09 14:28	MEL
Selenium	ND	mg/kg	2.3	EPA 6020A	10/06/09	10/07/09 14:28	MEL
Silver	ND	mg/kg	2.3	EPA 6020A	10/06/09	10/07/09 14:28	MEL
Thallium	ND	mg/kg	1.9	EPA 6020A	10/06/09	10/07/09 14:28	MEL
Zinc	74	mg/kg	2.3	EPA 6020A	10/06/09	10/08/09 13:42	MEL

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Results reported on a dry weight basis.

Approved by:

QC Chemist





Chain of Custody Record

Customer:	Urban Green
Contact/Report to:	Denise Sullivan
Phone:	410 779 1214
Fax:	410 779 1201

E-mail address:	denise@ugenv.com
Project Name:	STATE CENTER
Project Number:	016-003
Location:	Baltimore

SDG Number:	09100501
Sampled by:	DAS
PO Number:	016-003

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Analysis Requested										Sampling Remarks/Comments			
						Preservative	PAHs	PPL Metals	VOCs	TPH/Dechloro	PCBs	Pesticides	Herbicides						
09100501-01	SB-1 0-1	10/3/09	0830	1	S		X	X											
-02	SB-1 4-5	↓	0835	3	S				X										
"	SB-1 4-5		0835	1	S	X	X												
-03	SB-2 0-1		0904	1	S	X	X												
-04	SB-2 19-20		0920	3	S			X											
-05	TW-1		0935	2	GW			X											
-06	SB-6 15		1023	1	S				X										
-07	SB-7 14		1050	1	S				X										
↓ -08	SB-5 0-1		1130	2	S	X	X			X	X	X							
-09	SB-5 4-5		1135	1	S	X	X												

Relinquished by:	<i>Bee Harmon</i>	Date/Time:	10/05/09 0900	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:	<i>C. Shaw</i>	Date/Time:	10/05/09 0900	I II III CLP EDD	Temp: _____ On Ice	<input checked="" type="radio"/> STD Next Day 2-Day Other _____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions:	
Received by:		Date/Time:		Sample Cooler	<i>VCP Residential</i>	
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				





### Chain of Custody Record

Customer:	URBAN GREEN
Contact/Report to:	Denise Sullivan
Phone:	410 779 1214
Fax:	410 779 1201

E-mail address:	denise@ugenv.com
Project Name:	016-003
Project Number:	016-003
Location:	Baltimore, MD

SDG Number:	09100501
Sampled by:	DAS
PO Number:	016-003

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Analysis Requested										Sampling Remarks/Comments		
						Preservative	VOCs	PAHs	PPE Metals									
09100501 -09	SB-5 4-5	10/3/09	1135	3	S	X												
-10	TN-5	10/3/09	1210	3	W	X												
-11	SB-3 0-1	10/3/09	1251	1	S		X	X										
-12	SB-3 4-5	10/3/09	1300	3	S	X												
"	SB-3 4-5	10/3/09	1300	1	S		X	Y										
-13	SB-4 0-1	↓	1335	1	S		X	X										
-14	SB-4 4-5	↓	1340	3	S	X												
"	SB-4 4-5	↓	1340	1	S		X	X										

Relinquished by:	Bill Harmon	Date/Time:	10/05/09 0900	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:	C. Shane	Date/Time:	10/05/09 0900	I II III CLP EDD	Temp: _____ On Ice	<input checked="" type="radio"/> STD Next Day 2-Day Other _____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions: MDE VCP Residential	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Urban Green Environmental  
3634 Beech Ave.  
Baltimore, MD 21211

Date Sampled: 10/03/09 9:20  
Date Received: 10/05/09 9:00  
Date Issued: 10/22/2009

Project: State Center  
Site Location: Baltimore, MD  
Project Number: 016-003

SDG Number: 09100501

Field Sample ID:	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
SB-2 19-20'		Matrix: Soil				Lab ID: 09100501-04	
<b>Polycyclic Aromatic Hydrocarbons (SIM)</b>							
Acenaphthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Acenaphthylene	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Anthracene	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Benzo[a]anthracene	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Benzo[a]pyrene	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Benzo[b]fluoranthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Benzo[g,h,i]perylene	5	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Benzo[k]fluoranthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Chrysene	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Dibenz[a,h]anthracene	10	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Fluoranthene	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Fluorene	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Indeno[1,2,3-cd]pyrene	8	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
2-Methylnaphthalene	8	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Naphthalene`	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Phenanthrene	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
Pyrene	ND	ug/kg	5	EPA 8270C	10/06/09	10/21/09 10:30	JKL
<b>Total Metals</b>							
Antimony	ND	mg/kg	2	EPA 6020A	10/15/09	10/16/09 14:35	MEL
Arsenic	ND	mg/kg	0.4	EPA 6020A	10/15/09	10/16/09 14:35	MEL
Beryllium	ND	mg/kg	2	EPA 6020A	10/15/09	10/16/09 14:35	MEL
Cadmium	ND	mg/kg	2	EPA 6020A	10/15/09	10/16/09 14:35	MEL
Chromium	ND	mg/kg	2	EPA 6020A	10/15/09	10/16/09 14:35	MEL
Copper	ND	mg/kg	2	EPA 6020A	10/15/09	10/16/09 14:35	MEL
Lead	ND	mg/kg	2	EPA 6020A	10/15/09	10/16/09 14:35	MEL
Mercury	ND	mg/kg	0.081	EPA 6020A	10/15/09	10/16/09 14:35	MEL
Nickel	ND	mg/kg	2	EPA 6020A	10/15/09	10/16/09 14:35	MEL
Selenium	ND	mg/kg	2	EPA 6020A	10/15/09	10/16/09 14:35	MEL
Silver	ND	mg/kg	2	EPA 6020A	10/15/09	10/16/09 14:35	MEL
Thallium	ND	mg/kg	1.6	EPA 6020A	10/15/09	10/16/09 14:35	MEL
Zinc	ND	mg/kg	2	EPA 6020A	10/15/09	10/16/09 14:35	MEL

Notes/Qualifiers:

LLQ - Lowest Level of Quantitation  
ND - Not Detected at a concentration greater than or equal to the LLQ.  
Results reported on a dry weight basis.

Approved By:

Quality Assurance Chemist





### Chain of Custody Record

Customer:	Urban Green
Contact/Report to:	Denise Sullivan
Phone:	410 779 1214
Fax:	410 779 1201

E-mail address:	denise@ugenv.com
Project Name:	STATE CENTER
Project Number:	016-003
Location:	Baltimore

SDG Number:	09100501
Sampled by:	DAS
PO Number:	016-003

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Analysis Requested										Sampling Remarks/Comments		
						Preservative	PAHs	PPL Metals	VOCs	TPH/Dechloro	PCBs	Pesticides	Herbicides					
09100501-01	SB-1 0-1	10/3/09	0830	1	S		X	X										
-02	SB-1 4-5	↓	0835	3	S				X									
"	SB-1 4-5		0835	1	S	X	X											
-03	SB-2 0-1		0904	1	S	X	X											
-04	SB-2 19-20		0920	3	S			X		Add PAH and PPLM, per DS 10/16/09								
-05	TW-1		0935	2	GW			X										
-06	SB-6 15		1023	1	S				X									
-07	SB-7 14		1050	1	S				X									
✓ -08	SB-5 0-1		1130	2	S	X	X			X	X	X						
-09	SB-5 4-5		1135	1	S	X	X											

Relinquished by:	<i>Bee Harmon</i>	Date/Time:	10/05/09 0900	Deliverables:	I II III CLP EDD	Receipt Temperature:	Temp: _____ On Ice	Turnaround Time:	(STD) Next Day 2-Day Other _____
Received by:	<i>C. Shaw</i>	Date/Time:	10/05/09 0900	Custody Seals:	Sample Cooler	Comments/Special Instructions: <b>VCP Residential</b>			
Relinquished by:		Date/Time:		Delivered by client					
Received by:		Date/Time:							
Relinquished by:		Date/Time:							
Received by:		Date/Time:							





### Chain of Custody Record

Customer:	URBAN GREEN
Contact/Report to:	Denise Sullivan
Phone:	410 779 1214
Fax:	410 779 1201

E-mail address:	denise@ugenv.com
Project Name:	016-003
Project Number:	016-003
Location:	Baltimore, MD

SDG Number:	09100501
Sampled by:	DAS
PO Number:	016-003

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Analysis Requested										Sampling Remarks/Comments		
						Preservative	VOCs	PAHs	PPE Metals									
09100501 -09	SB-5 4-5	10/3/09	1135	3	S	X												
-10	TN-5	10/3/09	1210	3	W	X												
-11	SB-3 0-1	10/3/09	1251	1	S		X	X										
-12	SB-3 4-5	10/3/09	1300	3	S	X												
"	SB-3 4-5	10/3/09	1300	1	S		X	Y										
-13	SB-4 0-1	↓	1335	1	S		X	X										
-14	SB-4 4-5	↓	1340	3	S	X												
"	SB-4 4-5	↓	1340	1	S		X	X										

Relinquished by:	Bill Harmon	Date/Time:	10/05/09 0900	Deliverables:	Receipt Temperature:	Turnaround Time:
Received by:	C. Shane	Date/Time:	10/05/09 0900	I II III CLP EDD	Temp: _____ On Ice	<input checked="" type="radio"/> STD Next Day 2-Day Other _____
Relinquished by:		Date/Time:		Custody Seals:	Comments/Special Instructions: MDE VCP Residential	
Received by:		Date/Time:		Sample Cooler		
Relinquished by:		Date/Time:		Delivered by client		
Received by:		Date/Time:				