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REVISION #2 TO THE HUMAN HEALTH RISK ASSESSMENT AND WATER PROTECTION LEVEL EVALUATION VOLUNTARY CLEANUP PROGRAM, VCP CASE NO. VCP-2015-031 D.C. UNITED SOCCER STADIUM DEVELOPMENT WASHINGTON, D.C.

by Haley & Aldrich, Inc.
McLean, Virginia

for D.C. United, Stadium Development and Operations
Washington, D.C.

File No. 40223-004
December 2016

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Rev. #2 - 22 December 2016
File No. 40223-004

D.C. United
Stadium Development and Operations
2400 East Capitol Street, SE
Washington, D.C. 20003

Attention: Mr. Troy D. Scott

Subject: Revision #2 to the Human Health Risk Assessment and Water Protection Level Evaluation
Voluntary Cleanup Program, VCP Case No. VCP-2015-031
D.C. United Soccer Stadium Development, Washington, D.C.

Ladies and Gentlemen:

Haley & Aldrich, Inc., prepared this Revision #2 to the Human Health Risk Assessment and Water Protection Level Evaluation (HHRA/WPL Evaluation Rev. #2) report for the proposed D.C. United Soccer Stadium Development (Stadium Development) and adjacent Ancillary Development in the Buzzard Point neighborhood, located in southwest Washington, D.C. (Site). This HHRA/WPL Evaluation Rev. #2 incorporates responses to Department of Energy and the Environment (DOEE) comments on the 5 December 2016 Revised HHRA/WPL Evaluation report, as described in the 21 December 2016 letter entitled, "Response to the Government of the District of Columbia DOEE Comments, HHRA/WPL Evaluation", and was prepared in accordance with DOEE-approved Corrective Action Plans for the Site.

Please do not hesitate to call if you have any questions or comments.

Sincerely yours,
HALEY & ALDRICH, INC.

Mathew T. Raithel
Senior Technical Specialist

Anita Broughton, EIT, CIH
Chief Scientist

Enclosures
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Executive Summary

This Revision #2 to the Human Health Risk Assessment and Water Protection Level Evaluation (HHRA/WPL Evaluation Rev. #2) report was prepared by Haley & Aldrich, Inc., (Haley & Aldrich) for the proposed D.C. United Soccer Stadium Development (Stadium Development) and adjacent Ancillary Development in the Buzzard Point neighborhood, located in southwest Washington, D.C. ([Site]; Figure 1). This HHRA/WPL Evaluation Rev. #2 was prepared following the methodology outlined in the:

- "Revised Cleanup Action Plan, Voluntary Cleanup Program, Buzzard Point D.C. United Soccer Stadium Development, Washington, D.C." (Stadium Development CAP) prepared for the Site by Haley & Aldrich, dated 30 September 2015, and approved by the District of Columbia Department of Energy & Environment (DOEE) on 1 October 2015;
- "Cleanup Action Plan, Voluntary Cleanup Program, Buzzard Point D.C. United Soccer Stadium Ancillary Development, Washington, D.C. (Ancillary Development CAP), prepared for the Site by Haley & Aldrich, dated 2 August 2015, and approved by the DOEE on 2 December 2016;
- "Revised Work Plan for Baseline Human Health Risk Assessment" (Revised HHRA Work Plan), prepared for the Site by Haley & Aldrich, dated 1 August 2016, and approved by the DOEE on 11 August 2016;
- "Addendum No. 1 to the Voluntary Cleanup Action Plan (CAP Addendum No. 1)" prepared for the Site by Haley & Aldrich, dated 23 November 2016, and approved the DOEE on2 December 2016; and
- "Response to the Government of the District of Columbia DOEE Comments, HHHR/WPL Evaluation" prepared for the Site by Haley & Aldrich, and dated 23 November 2016.
- "Response to the Government of the District of Columbia DOEE Comments, HHHR/WPL Evaluation" prepared for the Site by Haley & Aldrich, and dated 21 December 2016.

This HHRA/WPL Evaluation Rev. #2 supplements the Voluntary Cleanup Program (VCP) application submitted to the DOEE on 3 March 2015 and approved on 28 July 2015.

The Stadium Development includes the construction of a stadium and ancillary support facilities. As currently envisioned by the stadium design team, the stadium will seat 18,000 to 20,000 fans and will include team support spaces, concession space, merchandising space, building operations facilities, broadcast and press facilities, and a restaurant and lounge. The elevation of the playing field and stadium entrances will be at approximately El. 22, the existing grade on the north side of the Site. There will be a below-grade building space under the building on the south side of the stadium. However, to facilitate the construction of the stadium foundations, there will be no excavations deeper than 10 feet below the existing ground surface. [NOTE: The Site grade will be raised on the south side of the Site, so the excavation under the building will not extend deeper than 10 feet below existing grade.] Building foundations will consist of augercast piles that will extend approximately 60 feet deep. Soil cuttings generated from the augers will be managed and disposed off-Site as described in the Stadium Development CAP. Should redevelopment plans change and excavation is required deeper than 10 feet below existing grade, the DOEE will be notified and the Stadium Development CAP will be revised accordingly.

The Ancillary Development, described in the CAP Amendment No. 1, includes installation of a new utility connection, demolition of an abandoned utility vault, construction of a new road and water line, construction of a new plaza area and grass field, to be used predominantly by event spectators; and planting trees along the new road. The installation of the new utility connection will require an excavation no deeper than 8 feet, and the water line installation will require an excavation of approximately 5 feet. The plaza area will be excavated to approximately 36 inches to place a base of coarse stone and a maintained 12-inch surface treatment (grass, concrete, pervious pavement, architectural stone). Whereas, the grass field will be constructed after grading the existing ground surface, with a grade change of approximately 3 feet (from north to south).

HUMAN HEALTH RISK ASSESSMENT

This HHRA was prepared following current United Stated Environmental Protection Agency (EPA) regulatory guidance and in general accordance with the "District of Columbia Risk-based Corrective Action Technical Guidance (DCRBCA Technical Guidance)" prepared by the District Department of the Environment Toxic Substances Division Underground Storage Tanks Branch dated June 2011. The purpose of the HHRA is to estimate potential human health risks to on-Site and off-Site receptors from exposure to Site impacts both during and after Site redevelopment activities. The results of the HHRA were used to identify whether mitigation measures or remediation activities are warranted at the Site for the planned redevelopment activities.

Based on a review of the future redevelopment plans, the following receptors were identified:

- Future on-Site construction worker;
- Off-Site resident during and after Site redevelopment;
- Future on-Site landscaper;
- Future on-Site commercial worker;
- Future on-Site athlete; and
- Future on-Site spectator.

Based on the results of this HHRA, remediation or mitigation is necessary to protect future on-Site construction workers and off-Site residents during construction activities. Remediation or mitigation is not necessary to protect the future on-Site landscaper, the future on-Site commercial work, the future on-Site athlete, and the future on-Site spectator. Vapor remediation or mitigation measures are not required to control potential vapor intrusion into future on-Site buildings.

The chemicals detected in soil at the Site with maximum concentrations that contributed the most to the risk threshold exceedances, referred to as risk drivers (arsenic, cadmium, cobalt, lead, manganese, nickel in soil, and trichloroethene in soil gas), were identified. Health-based remediation goals were derived for the chemical risk drivers by lowering the concentrations of these risk drivers in the HHRA calculations until acceptable risk thresholds were met for each of the receptors.

WATER PROTECTION LEVELS

Water protection levels (WPLs) were developed that identify chemical concentrations in vadose zone soil that are protective of groundwater and surface water quality should leaching to groundwater occur.

Based on the result of the water protection level evaluation, mitigation or remediation is warranted to protect surface water. The following chemicals exceed the WPLs: benzo(a)anthracene, chrysene, polychlorinated biphenyls, arsenic, iron, and mercury.

RISK-BASED GOALS AND RECOMENDATIONS

Risk-based goals (RBGs) are the lower of health-based remediation goals and WPLs, and are therefore protective of both human health, and surface and groundwater quality.

Remedial excavation is warranted to protect human health and surface and groundwater quality. In addition, dust control measures should be implemented during redevelopment activities so that fugitive dust concentrations do not exceed 1 mg/m^3 (PM10).

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1. Introduction

This Revision #2 to the Human Health Risk Assessment and Water Protection Level Evaluation (HHRA/WPL Evaluation Rev. #2) report was prepared by Haley & Aldrich, Inc., (Haley & Aldrich) for the proposed D.C. United Stadium Development (Stadium Development) and the adjacent Ancillary Development in the Buzzard Point neighborhood, located in southwest Washington, D.C. ([Site]; Figure 1). This HHRA/WPL Evaluation Rev. #2 was prepared following the methodology outlined in the:

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- "Response to the Government of the District of Columbia DOEE Comments, HHHR/WPL Evaluation" prepared for the Site by Haley & Aldrich, and dated 23 November 2016 (Haley & Aldrich, 2016f).
- "Response to the Government of the District of Columbia DOEE Comments, HHHR/WPL Evaluation" prepared for the Site by Haley & Aldrich, and dated 21 December 2016 (Haley & Aldrich, 2016g).

This HHRA/WPL Evaluation Rev. #2 supplements the Voluntary Cleanup Program (VCP) application submitted to the DOEE on 3 March 2015 and approved on 28 July 2015.

The Site is divided into two parts to facilitate redevelopment as shown in Figure 2: Stadium Development and Ancillary Development. As indicated in the Stadium Development CAP and the Ancillary Development CAP, additional studies are required to assess whether soil remediation of Site-related residual chemical concentrations is warranted for the protection of human health and groundwater and surface water quality based on the planned future Site redevelopment. These studies include conducting a soil gas survey and additional soil sampling, preparing a baseline HHRA, evaluating chemical leaching potential to assess potential threat to groundwater and surface water, and developing risk-based goals (RBGs) for remediation of on-Site vadose zone soil, as warranted, pursuant to the above-referenced CAPs.

1.1 PROPOSED DEVELOPMENT

The Stadium Development includes the construction of a stadium and ancillary support facilities. Figure 3 shows the layout of the proposed stadium. As currently envisioned by the stadium design team, the stadium will seat 18,000 to 20,000 fans and will include team support spaces, concession space, merchandising space, building operations facilities, broadcast and press facilities, and a restaurant and lounge. The elevation of the playing field and stadium entrances will be at approximately El. 22, the existing grade on the north side of the Site. There will be a below-grade building space under the building on the south side of the stadium. However, to facilitate the construction of the stadium foundations, there will be no excavations deeper than 10 feet below the existing ground surface. [NOTE: The Site grade will be raised on the south side of the Site, so that excavation under the building will not extend deeper than 10 feet below existing grade.] Building foundations will consist of augercast piles that will extend approximately 60 feet deep. Should redevelopment plans change and excavation is required deeper than 10 feet below existing grade, the DOEE will be notified and the Stadium Development CAP will be revised accordingly.

The Ancillary Development, described in the CAP Amendment No. 1, includes the following construction activities:

- Installation of a new utility connection;
- Demolition of an abandoned utility vault;
- Construction of a new road and water line;
- Construction of a new plaza area and grass field, to be used predominantly by event spectators; and
- Planting trees along the new road.

The installation of the new utility connection will require an excavation no deeper than 8 feet, and the water line installation will require an excavation of approximately 5 feet. The plaza area will be excavated to approximately 36 inches to place a base of coarse stone and a maintained 12-inch surface treatment (grass, concrete, pervious pavement, architectural stone). Whereas, the grass field will be constructed after grading the existing ground surface, with a grade change of approximately 3 feet (from north to south).

1.2 SITE SETTING

The Site is in an area of Washington, D.C. referred to as Buzzard Point. The Site comprises approximately 13 acres, and formerly consisted of eight individual parcels located in the vicinity of Potomac Avenue, SW and 1st Street, SW. The Site is bounded by Potomac Avenue, SW and R Street, SW to the north, 2nd Street, SW to the west, T Street, SW to the south, and Half Street, SW to the east as shown in Figure 2.

The Site consists of the following parcels:

- Square 0661, Lot 0800 and Square 0603S, Lot 0800 (formerly owned by the District of Columbia [D.C.]) referred to as Parcel 1 and Parcel 2, respectively (Figure 2);

- Square 0605, Lot 0007 (formerly owned by Rollingwood Real Estate, LLC, [Ein]) referred to as Parcel 3 (Figure 2);
- Square 0605, Lot 0802 (formerly owned by Super Salvage, Inc., [Super Salvage]) referred to as Parcel 4 (Figure 2);
- Square 0661, Lots 0804, and 0805 and Square 0665, Lot 0024 (formerly owned by Potomac Electric Power Company [PEPCO]) referred to as Parcels 5, 6, and 7, respectively (Figure 2); and
- Square 0607, Lot 0013 (formerly owned by SW Land Holder, LLC, [Akridge]) referred to as Parcel 8.

1.3 SITE HISTORY

Each of the parcels at the Site are currently vacant and owned by The District of Columbia. Historical Site usage includes vehicle fueling and storage, salvage operations, and electrical power management (former substation and power generation). An abbreviated parcel-specific history is provided below.

1.3.1 District of Columbia (Parcels 1 and 2)

The D.C. Parcel 1 has historically been used as a salt storage facility (based on a 1992 Sanborn map), with a salt dome covering a relatively large portion of the parcel.

By 1949, the D.C. Parcel 2 was developed for residential use. By 1957, the parcel may have been used as part of a scrap metal yard. The parcel was formerly leased by Super Salvage from D.C. to store vehicles and equipment.

1.3.2 Ein (Parcel 3)

By 1949, the Ein parcel was developed for residential use. In 1972, the office and vehicle maintenance shop was constructed for a local telephone company (WSP Environment & Energy LLC [WSP], 2011a). The office and warehouse were then reportedly used for an electrical contracting business, and later as an AT&T facility (Haley & Aldrich, 2013). Alta Bicycle Share, Inc., previously occupied the parcel since 2012 as their administrative headquarters and to maintain and store bicycles for the Capital Bikeshare Program.

1.3.3 Super Salvage (Parcel 4)

In the 1940s, the Super Salvage parcel was reportedly developed for commercial/industrial use (Haley & Aldrich, 2015d). Since the 1950s, the parcel has operated as a salvage yard for diverse metal structures, including duct works, iron sheets, cast iron grids, radiators, rebar, and beams.

1.3.4 PEPCO (Parcels 5, 6, and 7)

By 1944, the parcels that were formerly owned by PEPCO were developed for residential use (Haley & Aldrich, 2014c). In the late 1960s, two large aboveground storage tanks (ASTs) were installed at Parcel 6. By 1984, PEPCO converted Parcels 6 and 7 for electrical power management. Parcel 5 was reportedly used as a parking lot and Parcel 6 housed two large fuel oil ASTs that fed the electrical substation located south on Parcel 7.

1.3.5 Akridge (Parcel 8)

By the 1940s, the parcel formerly owned by Akridge was developed for residential use (Haley & Aldrich, 2014a). By 1970, PEPCO was operating a garage in the northwestern portion of the parcel; the remainder of the parcel was used as a parking lot. PEPCO historically used the parcel as a gasoline filling station for vehicles. The parcel is now comprised of an asphalt parking lot and a vacant building that until recently stored end-of-life vehicles.

1.4 PHYSICAL SETTING

The Site geology and hydrology are summarized below based on a review of observations during Site investigations, available public information, and on experience and understanding of subsurface conditions in the Site area.

The Site and its vicinity are located within an urban area generally characterized by disturbed surface soils covered with structures and other impervious materials (pavement and concrete).

1.4.1 Topography

Topographically, the Site and its vicinity are relatively flat with a gradual downward slope to the south. The Site is at approximately El. 22 (feet above mean sea level (MSL)) at the north end and El. 16 at the south end.

1.4.2 Surface Water

Surface water appears to flow from the Site in a southerly direction based on surface topography. Regional groundwater flow is anticipated to be tidally influenced based on the location of the Anacostia River, located approximately 0.1 miles east (over 600 feet) and 0.2 miles south (over 1,200 feet), and the Potomac River, located approximately 0.3 miles to the west (over 1,400 feet).

Potable water is supplied to the Site by the District of Columbia Water and Sewer Authority.

1.4.3 Geology

The Site is located within the Atlantic Coastal Plain physiographic province that is characterized by relatively thick seaward-dipping fluvial marine sediments of Cretaceous to recent geologic age. These deposits are typically laterally heterogeneous due to unconformities, facies changes, and variations in physical properties with age and burial depth. Paleozoic geologic age crystalline bedrock underlies the marine sediments. According to the 1958 USGS Geologic Map of Washington D.C. and Vicinity, the Site is underlain by the Quaternary geologic age Palmico Formation and recent alluvium.

The Site is underlain by a surficial layer of fill soil and the underlying native soils consist of clay, silt, sand, and gravel. Approximately 10 feet of fill material was encountered at the Site consisting of primarily clayey SAND (SC), silty SAND (SM), SILT (ML), sandy lean CLAY (CL), and lean CLAY (CL) with varying amounts of sand and gravel (Haley & Aldrich, 2016a). Clays, sands, and clayey gravel were observed beneath the fill to a depth of approximately 35 feet below ground surface (bgs). Direct-push borings advanced during previous investigations at the Site did not encounter bedrock as bedrock is expected to be greater than 500 feet below the ground surface.

1.4.4 Hydrogeology

The Site is located in the Salisbury Embayment and is southeast of the fall line that defines the western boundary of the Atlantic Coastal Plain. The Cretaceous Potomac aquifer extends under most of the Northern Atlantic Coastal Plain. The lower portion of this aquifer underlies the Site. The confining units of the aquifer consist primarily of silt and clay. The Potomac aquifer system is mainly composed of sand and gravel interbedded with clayey silt. The hydrogeology of the region is characterized by numerous water-bearing zones that may be perched and otherwise distributed in a heterogeneous manner. The water-bearing zones can either be confined or unconfined depending on the permeability of the sands, silts, clays, and gravels that may be present.

According to a "Voluntary Cleanup Action Plan" prepared by Schnabel Engineering North, LLC, [Schnabel] for a property located approximately 0.2 miles northeast of the Site, perched water has been observed at the fill-clay interface at depths generally ranging from 10 to 15 feet bgs (Schnabel, 2006). Haley & Aldrich made similar observations in the groundwater monitoring wells installed during Site investigations conducted in 2014 and 2015. This water level depth was also observed by Haley & Aldrich in the test borings drilled for the National Defense University facility at Fort McNair, immediately across 2nd Street, SW, and west of the Site.

Haley & Aldrich advanced two new wells, B5 and B22, in 2015 as part of a geotechnical investigation. B5 is located downgradient and slightly off-Site at the Site's southwest boundary and B22 is located upgradient at the northern portion of the Site, between the Super Salvage and PEPCO parcels. Groundwater measurements collected from these wells confirmed the depth to groundwater at approximately 20 feet bgs (ranging from 0 feet to 5 feet above MSL). These two new groundwater monitoring wells and temporary groundwater monitoring wells installed during previous investigations conducted by Haley & Aldrich are shown in Figure 2. Groundwater monitoring wells have been removed from the Site except for wells B5 and B22. No production wells were observed on the parcels.

Perched water has been encountered at the Site during previous Site investigation activities at depths of approximately 10 to 15 feet bgs, but does not appear to be contiguous at the Site and its presence is likely seasonal.

2. Site Investigation Activities

Documented Site investigations began in 1990 and are summarized below. In general, the information summarized in this section has been presented in several documents over the past 25 years; key submittals that support the purpose of this Revised HHRA and WPL Evaluation include:

- "Assessment of the Buzzard Point Properties" prepared by Geomatrix, Inc., (Geomatrix) in 1990 (Geomatrix, 1990);
- "Comprehensive Site Assessment, Potomac Electric Power Company, Buzzard Point Station, 1st and V Street" prepared by TPH Technology, Incorporated, (TPH Technology) dated 14 August 1993 (TPH Technology, 1993);
- "Corrective Action Plan, Remedial Specifications and Implementation Details, Buzzard Point Generation Station" prepared by TPH Technology, dated March 1995 (TPH Technology, 1995);
- "Phase II Environmental Site Assessment" prepared by Advantage Environmental Consultants, LLC, (AEC), dated 10 June 2005 (AEC, 2005b);
- "Phase II Environmental Site Assessment Summary," prepared by WSP, dated January 31, 2011 (WSP, 2011a);
- "Report on ASTM Phase I Environmental Site Assessment with Limited Phase II Subsurface Sampling, Ein Property at Square 0605, Lot 0007," prepared by Haley & Aldrich, dated 23 October 2013 (Haley & Aldrich, 2013);
- "Report on ASTM Phase I and Limited Subsurface Sampling, Akridge Parcel at Buzzard Point, Square 607, Lot 0013," prepared by Haley & Aldrich, dated 8 January 2014 (Haley & Aldrich, 2014a);
- "Report on ASTM Phase I Environmental Site Assessment and Limited Phase II Subsurface Sampling, District of Columbia Parcel at Buzzard Point, Square 661, Lot 0800," prepared by Haley & Aldrich, dated 8 September 2014 (Haley & Aldrich, 2014b);
- "Report on ASTM Phase I Environmental Site Assessment and Limited Phase II Subsurface Sampling, Potomac Avenue & 1st Street SW," prepared by Haley & Aldrich, dated 9 September 2014 (Haley & Aldrich, 2014c);
- "Phase II Soil Investigation Report, Voluntary Cleanup Program, Super Salvage, Inc., Parcel at Buzzard Point, Square 0605, Lot 0802," prepared by Haley & Aldrich, dated 15 June 2015 (Haley & Aldrich, 2015a);
- "Phase II Soil Investigation Report, Voluntary Cleanup Program, District of Columbia Parcel at Buzzard Point, Square 0603S, Lot 0800," prepared by Haley & Aldrich, dated 26 June 2015 (Haley & Aldrich, 2015b);
- "Report on ASTM Phase I Environmental Site Assessment and Subsurface Sampling, District of Columbia Parcel at Buzzard Point, Square 0603S, Lot 0800," prepared by Haley & Aldrich, dated 24 July 2015 (Haley & Aldrich, 2015c);
- "Report on ASTM Phase I Environmental Site Assessment and Subsurface Sampling, Super Salvage Inc. Parcel at Buzzard Point, Square 0605, Lot 0802," prepared by Haley & Aldrich, dated 24 July 2015 (Haley & Aldrich, 2015d);

- "Phase II Soil Investigation Report, Voluntary Cleanup Program, District of Columbia Parcel at Buzzard Point, Square 0661, Lot 0800," prepared by Haley & Aldrich, dated 24 July 2015 (Haley & Aldrich, 2015e);
- "Phase II Soil Investigation Report, Voluntary Cleanup Program, Rollingwood Real Estate, LLC, Parcel at Buzzard Point, Square 0605, Lot 0007," prepared by Haley & Aldrich, dated 24 July 2015 (Haley & Aldrich, 2015f);
- "Phase II Soil Investigation Report, Voluntary Cleanup Program, Potomac Electric Power Company Parcels at Buzzard Point, Square 0661, Lots 0804, 0805, and Square 0665, Lot 0024," prepared by Haley & Aldrich, dated 31 July 2015 (Haley & Aldrich, 2015g);
- "Phase II Soil Investigation Report, Voluntary Cleanup Program, SW Land Holder, LLC, Parcel at Buzzard Point, Square 0607, Lot 0013," prepared by Haley & Aldrich, dated 31 July 2015 (Haley & Aldrich, 2015h);
- "Revised Cleanup Action Plan, Voluntary Cleanup Program, Buzzard Point D.C. United Soccer Stadium Development, Washington, D.C.," prepared by Haley & Aldrich, dated 30 September 2015 (Haley & Aldrich, 2015j);
- "Cleanup Action Plan, Voluntary Cleanup Program, Buzzard Point D.C. United Soccer Stadium Ancillary Development, Washington, D.C. (Ancillary Development CAP), prepared for the Site by Haley & Aldrich, dated 2 August 2015, and approved by the DOEE on 2 December 2016 (Haley & Aldrich, 2015i);
- "Work Plan for Soil and Soil Gas Sampling, Proposed DC United Soccer Stadium, Buzzard Point at Potomac Avenue and 1st Street SW, Washington, D.C.," prepared by Haley & Aldrich, dated 27 June 2016 (Haley & Aldrich, 2016b); and
- "Revised Work Plan for Baseline Human Health Risk Assessment, Proposed DC United Soccer Stadium, Buzzard Point at Potomac Avenue and 1st Street SW, Washington, D.C.," prepared by Haley & Aldrich, dated 1 August 2016 (Haley & Aldrich, 2016c).

In addition to the investigations presented in the reports listed above, additional soil and soil gas sampling and analysis was conducted in July 2016 pursuant to the DOEE approved "Work Plan for Soil and Soil Gas Sampling" prepared by Haley & Aldrich and dated 27 June 2016. A summary of the previous investigations as well as the 2016 investigation is presented below. Groundwater, soil, and soil gas sample locations are shown on Figures 4, 5, and 6, respectively. Soil analytical results are summarized in Tables 1 through 5. Groundwater analytical results are summarized in Table 6. Soil gas analytical results are summarized in Table 7.

The Site investigations summarized in this section used a variety of soil and groundwater screening criteria (herein referred to as historical screening criteria) for use in the initial assessment of impact delineation. These criteria have since been refined based on the potential receptors and pathways associated with the redevelopment plans as described in Section 4.

2.1 DISTRICT OF COLUMBIA (PARCELS 1 AND 2)

In 2013, Haley & Aldrich conducted a Phase I and limited Phase II environmental site assessment (ESA) at Parcel 1 (Haley & Aldrich, 2014b). One soil sample was collected at location GTW-661-800-1 shown in Figure 5. The analytical results are provided in Tables 1 through 5.

In 2015, Haley & Aldrich conducted a Phase I and Phase II ESA at Parcel 2 (Haley & Aldrich, 2015c; Haley & Aldrich, 2015b). Soil samples were collected at location GSS-603-800-3 shown in Figure 5. Haley & Aldrich also conducted a supplemental Phase II ESA at Parcel 1 (Haley & Aldrich, 2015e). Soil samples were collected around historical boring GTW-661-800-1. Soil sample locations are shown in Figure 5. The analytical results are provided in Tables 1 through 5.

2.2 EIN (PARCEL 3)

In 2010, CEC Environmental, Inc., (CEC) conducted a Phase I ESA that identified one historical recognized environmental concern (REC), a 3,500-gallon gasoline underground storage tank (UST) with reported leakage resulting in soil and groundwater contamination; however, the extent of impacts was unknown (CEC, 2010). The tank was permanently removed and three groundwater monitoring wells were installed. CEC identify no additional RECs.

In 2011, WSP conducted a Phase I ESA that also noted the historical leaking underground storage tank (LUST) case had been satisfactorily closed and remediated (WSP, 2011b). WSP also conducted a Phase II ESA that included sampling soil and groundwater at suspect RECs: two large floors drains in the warehouse area of the building and the associated in-ground oil/water separator that may have received chemicals from the warehouse building, and the adjacent Super Salvage (Parcel 4) property (WSP, 2011b). Four soil borings were advanced and soil samples were collected at multiple depths ranging from 7 to 27 feet bgs at locations SB-1 through SB-4 as shown in Figure 5. Groundwater samples were collected from two existing groundwater monitoring wells.

In 2014, Haley & Aldrich conducted a Phase I and limited Phase II ESA that identified one known REC (i.e., potential petroleum impacts to soil and groundwater from sources outside of the parcel). Soil and groundwater samples were also collected from two temporary groundwater monitoring wells at locations GTW-605-7-1 and GTW-605-7-2 as shown in Figures 4 and 5 (Haley & Aldrich, 2013). The analytical results are provided in Tables 1 through 6.

In 2015, Haley & Aldrich conducted a supplemental Phase II ESA to obtain additional information regarding the extent of chemicals in soil and to collect an additional round of groundwater samples for analysis from the existing temporary monitoring wells locations GTW-605-7-1 and GTW-605-7-2 as shown in Figure 4 (Haley & Aldrich, 2015f). Thirty-nine soil borings were advanced and soil samples were collected. The analytical results are provided in Tables 1 through 6.

2.3 SUPER SALVAGE (PARCEL 4)

In 2005, URS Corporation, Inc., (URS) and AEC conducted Phase I ESAs at adjacent properties and identified Super Salvage on the Resource Conservation and Recovery Act (RCRA) Small Quantity Generator, LUST and UST databases (URS, 2005; AEC, 2005a).

In 2014, Haley & Aldrich conducted a Phase I ESA that identified five known RECs (Haley & Aldrich, 2015d).

In 2015, Haley & Aldrich conducted a Phase II ESA. Soil samples were collected from 10 locations (GTW-605-802-1, GTW-605-802-2, GTW-605-802-6, GTW-605-802-7, GTW-605-802-9, GSS-605-802-10, GSS-605-802-11, GSS-605-802-12, DP-001, and DP-002). Groundwater samples were collected from five new temporary monitoring wells (locations GTW-605-802-1, GTW-605-802-2, GTW-605-802-6,

GTW-605-802-7, and GTW-605-802-9). The sample locations are shown in Figures 4 and 5. Several proposed sample locations were inaccessible because of restrictions associated with an active salvage yard (e.g., storage piles) and unknown subsurface constraints (e.g., boring advancement refusal). The analytical results are provided in Tables 1 through 6.

Areas that were inaccessible in 2015 were sampled in July 2016. Soil samples were collected in July 2016 from DP-151 through DP-158 and DP-160 through DP-163, as shown on Figure 5. The analytical results are provided in Tables 1 through 5.

2.4 POTOMAC ELECTRIC POWER COMPANY (PARCELS 5, 6, AND 7)

PEPCO has been monitoring observation wells associated with leaking USTs at these parcels since as early as the 1970s. In 1993, free phase (liquid) hydrocarbons were discovered in an observation well in the combustion turbine area located on the northwestern corner of Parcel 7. The Department of Consumer and Regulatory Affairs issued a written directive to PEPCO, and TPH Technology completed a comprehensive site assessment for LUST case #93-051 (TPH Technology, 1993). The assessment included a shallow soil gas survey, installation of 11 groundwater monitoring wells, and soil and groundwater sample collection and analysis. Soil and groundwater analytical results indicated that TPH and benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations were elevated. A review of groundwater analytical results also indicated that naphthalene concentrations were elevated, suggesting a groundwater plume of free phase and dissolved phase hydrocarbons.

In 1995, TPH Technology prepared a corrective action plan following completion of the comprehensive site assessment to summarize the results of soil and groundwater assessment activities and describe the remedial action plans (TPH Technology, 1995). Based on a review of the results, TPH Technology estimated a larger product plume than initially suggested based on the initial petroleum release at approximately 17,200 square feet, representing 1,600 to 3,600 gallons of hydrocarbons.

In 1996, TPH Technology implemented their corrective action plan and installed a soil vapor extraction (SVE) system that operated from January 1996 to November 1999 and removed approximately 6,925 gallons of petroleum from the parcels. From May 2001 to April 2002, a portable high vacuum pump and treat system was also used to recover petroleum compounds. In 2002, PEPCO requested that the SVE system be decommissioned and replaced by a passive remediation approach that consequently removed approximately 1,350 gallons of hydrocarbons from groundwater.

In 2005, AEC conducted a Phase I ESA at the Akridge parcel and noted that TPH and BTEX concentrations in groundwater at PEPCO exceeded the historical screening criteria except in three downgradient wells (AEC, 2005a). Passive remediation with absorbent booms and monitoring was being conducted at that time.

In 2010, the District Department of the Environment (DDOE) issued a “No Further Action” letter to PEPCO in reference to LUST case #93-051 stating that “the residual contamination left in place at this site does not pose a threat to human health and/or the environment” (DDOE, 2010). The DDOE acknowledged that no further remedial action is necessary at the LUST case#93-051 unless residually contaminated soil is removed, disturbed, or excavated.

In 2014, Haley & Aldrich conducted a Phase I and limited Phase II ESA. The Phase I identified known RECs (i.e., soil and groundwater petroleum impacts from historical operations) and suspect RECs (i.e, substation-related chemicals, former ASTs and associated piping, and adjacent property impacts).

During the Phase II, soil and groundwater samples were collected from five locations identified as RECs (GTW-661-805-1, GTW-661-804-1, GTW-661-804-2, GTW-661-804-3, and GTW-661-24-1) shown in Figures 4 and 5 (Haley & Aldrich, 2014c). The analytical results are provided in Tables 1 through 6.

In 2015, Haley & Aldrich conducted a supplemental Phase II ESA to attempt to delineate the extent of chemicals in soil and collect an additional round of groundwater samples for analysis from the existing temporary wells (locations GTW-661-805-1, GTW-661-804-1, GTW-661-804-2, GTW-661-804-3, and GTW-661-24-1) shown in Figures 4 and 5 (Haley & Aldrich, 2015g). Forty-nine soil borings were advanced and soil samples were collected. The analytical results are provided in Tables 1 through 6.

2.5 AKRIDGE (PARCEL 8)

In 1990, Geomatrix conducted a soil investigation, including samples collected for TPH, BTEX, polychlorinated biphenyls (PCBs), and metals analysis (Geomatrix, 1990). Geomatrix concluded that TPH concentrations in soil were fairly well distributed throughout the parcel at 0 to 2 feet bgs.

In 2005, AEC conducted a Phase I ESA that identified three RECs: the historical use of the parcel (i.e., coal storage yard, bulk fuel storage facility, and a vehicle fueling station), the adjacent PEPCO parcel (particularly LUST case #93-051), and the adjacent Super Savage parcel (AEC, 2005a). AEC also conducted a Phase II ESA concurrently with the Phase I and advanced soil borings in a general grid pattern throughout the parcel, concentrating sample locations at the former UST area at its southern portion. AEC also installed temporary wells for groundwater sample collection and analysis.

In 2014, Haley & Aldrich conducted a Phase I and limited Phase II ESA that identified the RECs from the AEC Phase I ESA (i.e., shallow subsurface petroleum impacts in soil and chlorinated solvents in groundwater) at two known RECs and identified the storage building floor drains and the adjacent properties as two suspect RECs. Soil samples were collected from three of these four targeted REC locations (locations GSS-607-13-1, GTW-607-13-2, and GSS-607-13-3), since the storage building was inaccessible. Groundwater samples were collected at temporary monitoring well locations GTW-607-13-1, GTW-607-13-1A, GTW-607-13-2, and GTW-607-13-2A (Haley & Aldrich, 2014a). These sample locations are shown in Figures 4 and 5. The analytical results are provided in Tables 1 through 6.

In 2015, Haley & Aldrich conducted a supplemental Phase II ESA to further assess the extent of chemicals in soil and collect an additional round of groundwater samples for analysis from the existing wells (Haley & Aldrich, 2015h). Fifty-six soil borings were advanced and soil samples were collected. The analytical results are provided in Tables 1 through 6.

2.6 2016 INVESTIGATIONS

2.6.1 Soil Investigation

In July 2016, additional soil sampling was conducted in areas of the Site that were previously inaccessible. The soil sampling was conducted following the methodology presented in the DOEE approved "Work Plan for Soil and Soil Gas Sampling" prepared by Haley & Aldrich and dated 27 June 2016. Soil samples were collected from depth of 1, 5, and 10 feet bgs, and analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (EPA) Method 8260s, semi-volatile organic compounds (SVOCs) by EPA Method 8270, total petroleum hydrocarbons (TPH) by EPA Method 8015, polychlorinated biphenyl (PCBs) by EPA Method 8082; and metals by EPA 6010/7000 series. Soil samples were collected from locations DP-151 through DP-162 (the location identification

DP-159 was inadvertently skipped), as shown on Figure 4, using a direct push drill rig and collected in laboratory provided glass jars. The analytical results are provided in Tables 1 through 5. Laboratory analytical reports are included in Appendix A.

2.6.2 Soil Gas Survey

In July 2016, a soil gas survey was conducted to further assess if subsurface vapor intrusion of VOCs in soil and groundwater into indoor air of future on-Site buildings may pose unacceptable risks to human health. The soil gas survey was conducted following the methodology presented in the DOEE approved "Work Plan for Soil and Soil Gas Sampling" prepared by Haley & Aldrich and dated 27 June 2016.

Soil gas samples were collected within the proposed stadium footprint to measure VOC concentrations within areas where buildings will be constructed that will be occupied by stadium workers, spectators, and athletes (i.e., not below the playing field). Figure 6 shows the soil gas sampling locations and the proposed building locations. It should be noted that the soil gas work plan proposed 18 soil gas locations. However, two of the proposed soil gas samples were not collected/analyzed due to subsurface boring refusal at approximately 2 feet bgs (east of SG-02) and due to accumulated moisture within the summa canister (east of SG-08).

The soil gas survey activities consisted of the following:

- Advanced 16 borings using direct-push technology to install the proposed soil gas sample probes;
- Installed soil gas probes at an approximate depth of approximately 8 feet bgs, beneath the stadium foundation and above the underlying capillary fringe, in each of the 16 borings;
- Collected soil gas samples from the installed soil gas probes;
- Analyzed the soil gas samples for VOCs following United States Environmental Protection Agency (EPA) Method TO-15; and
- Abandoned each temporary soil gas probe following analysis by removing the soil gas probes and backfilling the borings with hydrated bentonite chips.

Soil gas probes were installed following the July 2015 California Department of Toxic Substance Control (DTSC) document entitled "Advisory – Active Soil Gas Investigations." At each boring location, a soil gas probe consisting of ¼-inch diameter nylaflow tubing was installed through the drilling rods within the open borehole, then the boring was backfilled with a 1-foot sand pack around the probe, followed by 1-foot of dry granular bentonite above the sand pack top to prevent moisture from infiltrating the sand pack. The borehole was completed to the surface with hydrated bentonite. Each probe was installed using a direct push sampling rig or a roto-hammer and allowed to equilibrate for at least two hours prior to collecting soil gas samples. A shut-in test and leak detection test was performed at each probe location prior to sampling, following the "Advisory – Active Soil Gas Investigations" methodology. Soil gas samples were collected in summa canisters and analyzed for VOCs by EPA Method TO-15 by Alpha Analytical in Mansfield, Massachusetts. After completion of soil gas sampling, the tubing was removed and the borings were backfilled using hydrated bentonite and patched at the surface with either asphalt or concrete to match the existing grade.

The soil gas analytical results are provided in Table 7. Laboratory analytical reports are included in Appendix A.

3. Summary of Analytical Data

The following sections summarize the data evaluation conducted for the Site. The analytical results are presented in Tables 1 through 7, and frequency of detection and the maximum and minimum concentration detected for each detected constituent in soil, soil gas, and groundwater are presented in Tables 8 through 11.

3.1 ANALYTICAL PARAMETERS

During the Site investigations, samples were collected and analyzed for select chemicals based on the confirmed or expected use of materials and chemicals historically or currently used at the Site. These chemicals and the associated analytical methodologies generally include:

- VOCs by EPA Method 8260;
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270;
- TPH by EPA Method 8015;
- PCBs by EPA Method 8082; and
- RCRA or Target Analyte List metals by EPA 6010/7000 series.

The following summarizes the chemicals detected in soil and groundwater based on the investigations conducted at the Site.

3.2 VOCS IN SOIL

One hundred twenty-six (126) soil samples were collected and analyzed for VOCs; VOCs were detected in 52 samples. The primary detected compounds were gasoline-related hydrocarbons. Soil sample analytical results for VOCs are provided in Table 1. The frequency of detection and the maximum and minimum concentration detected for VOCs in the soil sample results are shown in Table 8.

3.3 SVOCS AND PAHS IN SOIL

Three hundred sixty-four (364) soil samples were collected and analyzed for SVOCs; SVOCs were detected in 274 samples. The primary detected compounds were PAHs. Soil sample analytical results for SVOCs and PAHs are provided in Table 2. The frequency of detection and the maximum and minimum concentration detected for SVOCs and PAHs in the soil sample results are shown in Table 8.

3.4 TPH IN SOIL

Four hundred sixty-five (465) soil samples were collected and analyzed for TPH; TPH was detected in 428 samples. Soil sample analytical results for TPH are provided in Table 3. The frequency of detection and the maximum and minimum concentration detected for TPH in the soil sample results are shown in Table 8.

3.5 PCBS IN SOIL

One hundred six (106) soil samples were collected and analyzed for PCBs; PCBs were detected in44 samples. The primary detected compounds were Aroclor 1242, Aroclor 1254, and Aroclor 1260. Soil sample analytical results for PCBs are provided in Table 4. The frequency of detection and the maximum and minimum concentration detected for PCBs in the soil sample results are shown in Table 8.

3.6 METALS IN SOIL

Two hundred seventy-four (274) soil samples were collected and analyzed for metals; metals were detected in 273 samples. Soil sample analytical results for metals are provided in Table 5. The frequency of detection and the maximum and minimum concentration detected for metals in the soil sample results are shown in Tables 8 and 9, for the Stadium Development portion of the Site and the Ancillary Development portion of the Site, respectively.

3.7 GROUNDWATER

Twenty-five (25) groundwater samples were collected and analyzed for VOCs, SVOCs, metals, and TPH since 2013. Groundwater sample analytical results are provided in Table 6. Groundwater beneath the Site will not be a source of potable water and therefore not used for drinking water or irrigation purposes. Potable water is provided by the municipal water service. The frequency of detection and the maximum and minimum concentration detected in the groundwater sample results are shown in Table 10.

3.8 SOIL GAS

Sixteen (16) soil gas samples were collected and analyzed for VOCs. VOCs were detected in each sample. Soil gas sample analytical results are provided in Table 7. The frequency of detection and the maximum and minimum concentration detected for VOCs in the soil gas sample results are shown in Table 11.

4. Human Health Risk Assessment

This HHRA was prepared following current EPA regulatory guidance and in general conformance with the "District of Columbia Risk-based Corrective Action Technical Guidance (DCRBCA Technical Guidance)" prepared by the District Department of the Environment Toxic Substances Division Underground Storage Tanks Branch dated June 2011. The purpose of the HHRA is to estimate potential human health risks to on-Site and off-Site receptors from exposure to Site impacts both during and after Site redevelopment activities. The results of the HHRA were used to identify whether mitigation measures or remediation activities are warranted at the Site for the planned redevelopment activities.

4.1 OVERVIEW AND METHODOLOGY

The HHRA was prepared following EPA and DOEE risk assessment guidance using reasonable worst-case exposure assumptions. The primary guidance documents used were as follows:

- "Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A), Interim Final", prepared by EPA and dated December 1989 (EPA, 1989);
- Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment)," prepared by EPA and dated July 2004;
- "Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment)," prepared by EPA and dated January 2009 (EPA, 2009);
- "Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites," prepared by the EPA and dated December 2002 (EPA, 2002a);
- "Memorandum, Subject: Human Health Evaluation Manual, Supplemental Guidance, Update of Standard Default Exposure Parameters," prepared by the EPA and dated 6 February 2014 (EPA, 2014);
- "District of Columbia Risk-based Corrective Action Technical Guidance (Risk-Based Decision Making)," prepared by the District Department of the Environment Toxic Substances Division Underground Storage Tanks Branch dated June 2011 (District of Columbia, 2011);
- "OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources in Indoor Air" (EPA Vapor Intrusion Document), prepared by EPA and dated June 2015 (EPA, 2015a); and
- "ProUCL Version 5.1 Technical Guide, Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations", prepared by EPA and dated October 2015 (EPA, 2015b).

The HHRA was conducted in four steps: 1) hazard identification; 2) exposure assessment; 3) toxicity assessment; and 4) risk characterization. These steps are described as follows:

- Hazard Identification identifies the chemicals of potential concern (COPCs) at the Site.
- Exposure Assessment includes a review of the most sensitive receptors at the Site and their possible exposure pathways (i.e., how receptors may come into contact with the COPCs at the Site). This assessment is summarized in a conceptual site model (exposure pathway evaluation). The exposure assessment also includes an estimate of the chemical concentrations a receptor may be exposed to.
- Toxicity Assessment identifies the relevant toxicity values for the COPCs.
- Risk Characterization summarizes the estimated human health risk results and associated risk uncertainties.

These four steps of the HHRA are described in further detail below.

4.2 HAZARD IDENTIFICATION

The initial step of the HHRA process is to review the available data to characterize the Site and Site impacts. A summary of the results of previous investigation activities conducted for the Site is presented in Sections 2 and 3.

Chemicals of potential concern (COPCs) were identified from the site investigation data collected for the Site. COPCs were selected based on chemicals detected in soil, soil gas, and groundwater. Potential use of groundwater beneath the Site is considered incomplete as groundwater will not be used as potable water supply for the Site; however, there may be limited exposure during construction activities from vapor volatilizing from groundwater prior to completion of dewatering activities (as described in Section 4.3). Therefore, potential exposure from groundwater for municipal purposes (e.g., drinking water) is not evaluated in this HHRA, but inhalation of vapors from groundwater in a construction trench (prior to dewatering activities) is considered to be a potentially complete pathway for a construction worker prior to conducting dewatering activities.

A water protection level evaluation to protect the groundwater and adjacent surface water resources is presented in Section 5.

4.2.1 Organic Chemicals of Potential Concern

COPCs were identified separately for soil, soil gas, and groundwater. Organic chemicals that were reported above laboratory detection limits in one or more soil and/or soil gas samples collected in the upper 10 feet of soil were identified as COPCs. Only VOCs were identified as COPCs in groundwater; since, the only potential complete exposure pathway for groundwater is possible volatilization from groundwater within on-Site trenches. VOCs reported above laboratory detection limits in one or more groundwater samples collected between 2014 and 2016 were identified as COPCs in groundwater. Consistent with the Revised HHRA Work Plan, the detected toxic constituents of TPH mixtures, such as VOCs and PAHs, will be considered as COPCs in the HHRA, as opposed to the TPH mixture.

4.2.2 Inorganic Chemicals of Potential Concern (Site-specific Background Metals Evaluation)

Metals concentrations detected in soil at the Site may be within naturally occurring background concentrations and if so, would not pose an unacceptable incremental risk to human health or threat groundwater and surface water quality. For vadose zone soil, only metals present at concentrations greater than Site-specific background threshold values (BTVs) were identified as COPCs.

4.2.2.1 Statistical Review

A Site-specific background metals evaluation was conducted to identify Site-specific BTVs for metals in vadose zone soil at the Site. Over 350 samples were collected at the Site and analyzed for metals. The background metals evaluation was conducted using the EPA ProUCL Version 5.1.002 statistical software (ProUCL), and included the preparation of:

- Histograms of the untransformed and the log-transformed concentrations of each metal detected in one or more soil samples collected at the Site;
- Quantile-quantile plots (Q-Q plots) of these untransformed and log-transformed concentrations; and
- A statistically-derived BTV for each metal using the identified background data set.

The above-noted histograms and Q-Q plots are presented in Appendix B. To provide a conservative analysis, both the Q-Q plots of the untransformed data and the log-transformed data were reviewed to identify the point-of-departure (where a significant change in slope occurs on the curve) or a break point (where there is a noticeable break in the points along the curve on either Q-Q plot). The point-of-departure or break point on a Q-Q plot is defined as the point at which the background metals population (closest to the origin) diverges from the non-background (impacted) population. This is shown by a visibly noticeable change in slope or gap between the data on the Q-Q plot.

For each metal, if no point-of-departure or break point is evident in either Q-Q plot, the entire data set was considered to be within background. When a point-of-departure or break point on either Q-Q plot (untransformed and log-transformed data) was identified, the lowest concentration at the shift(s) in the slope or where the gap(s) begins on the curve was preliminarily identified as the maximum concentration in the Site-specific background dataset. Once a preliminary background data set was selected, histograms and Q-Q plots were re-plotted after removing the outliers from the dataset (concentrations greater than the identified maximum concentration in the Site-specific background dataset). Removing outliers and re-plotting the histograms and the Q-Q plots was an iterative process, and was conducted as note above until no other break points or point-of-departures were identified in the final Q-Q plots (untransformed and log-transformed data).

4.2.2.2 Regional Background Comparison

This identified maximum concentration in the Site-specific background dataset for each metal was then compared to published background levels to further verify whether it is a reasonable Site-specific maximum background concentration compared to published regional data. For the regional background data comparison, maximum background concentrations from the following sources were used:

- "Feasibility Study, Kenilworth Park Landfill Northeast, Washington D.C., National Capital Parks East" prepared by The Johnson Company, Inc., and dated April 2012 (The Johnson Company, 2012); and
- U.S. Geological Survey (USGS) database, Mineral Resources On-Line Spatial Data, accessed December 2016: https://mrdata.usgs.gov/geochem/doc/averages/as/east-central.html for Prince George's County, Maryland; Montgomery County, Maryland; and Fairfax County, Virginia.

Maximum background concentrations for metals in D.C. were not included in the above-referenced USGS database. The background levels from these sources are presented in Table 12.

If this comparison did not confirm that the preliminarily selected maximum concentration in the Site-specific background dataset was reasonable, then the Q-Q plots were reevaluated as described in Section 4.2.2.1 to assess if there may be additional outliers in that dataset, and the iterative review process continued. If the regional data comparison indicated that the preliminarily selected maximum concentration in the Site-specific background dataset was reasonable, this concentration was confirmed as the maximum concentration in the Site-specific background dataset, and the Site-specific background data set was confirmed as the designated background data set for that metal. Appendix B includes the histograms and Q-Q plots for each metal using the entire Site data set, followed by histograms and Q-Q plots for each metal using the background data set after removing outliers.

4.2.2.3 Additional Evaluation for Arsenic

An additional step was conducted for arsenic using measured arsenic concentrations in soil from samples collected at a depth of 20 feet and deeper depths bgs. These deeper samples were collected in native soil, approximately 8 feet below the observed fill material, which has been observed at the Site to depths of 12 feet bgs. Each of the measured arsenic concentrations for samples collected at depths of 20 feet and deeper is likely to be representative of natural background concentrations. Histograms and Q-Q plots of this deeper data are included in Appendix B.

A review of the Q-Q plots for the deeper sample data does not indicate a point-of-departure or break point, and the highest concentration of arsenic in the deeper dataset is 15 mg/kg. A concentration of 15 mg/kg was selected as an appropriate point-of-departure or break point for arsenic, based on:

- An additional review of the Q-Q plots of the entire dataset for arsenic;
- Review of the additional regional background data; and
- Visual review of the Q-Q plots for the deeper dataset.

4.2.2.4 Derivation of BTVs

The Site-specific BTV for each metal was statistically derived from the designated Site-specific background dataset for that metal and statistically identified data distribution using ProUCL. The Upper Simultaneous Limit (USL), a new BTV statistic recently added to ProUCL (Version 5.0), was selected as the BTV for each metal. As indicated in the October 2015 EPA document entitled, "ProUCL Version 5.1 Technical Guide, Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations" (EPA, 2015b), the USL is an upper boundary value suggested for data sets consisting of non-detect values with multiple detection limits, and is recommended as an appropriate BTV when the selected background dataset is free of outliers and therefore represents a single statistical

population, and when a larger number of on-Site observations need to be compared to a BTV. Since the Site-specific datasets meet the above criteria described by the EPA, it was selected as the BTV for metals at the Site.

Table 12 is a summary of the Site-specific background metals evaluation and the identified maximum background concentration and BTV for each metal. Each metal detected in soil at the Site at concentrations less than the BTV was not further evaluated in the HHRA. A review of the histograms and probability plots (Appendix B) indicates that, except for aluminum, each of the metals was detected at the Site above the BTV. These metals were identified as COPCs in the HHRA.

4.3 EXPOSURE ASSESSMENT

The objective of the exposure assessment is to estimate the magnitude, frequency, duration, and routes of reasonably anticipated human exposure to COPCs at the Site. The exposure assessment is based on identified potential Site receptors and associated potentially complete exposure pathways that define the conditions of potential exposure to on-Site COPCs. An exposure pathway must have the following elements to be considered complete for an existing receptor or potentially complete for a potential future receptor:

- A contaminant source;
- A retention medium and transport mechanism;
- A point of potential human contact with the contaminated medium; and
- An exposure route at the exposure point.

If any of the required elements above are absent, the exposure pathway is considered incomplete (i.e., no exposure will occur) and will have no associated health risks (i.e., health risks will be zero for that exposure pathway). However, even if a pathway is considered potentially complete, it could be considered insignificant if:

1. The associated risk is so small relative to other pathways it will not add perceptibly to the total exposure being evaluated; or
2. The potential risk contribution from an insignificant pathway would be trivial (EPA, 1989).

Insignificant pathways need not be quantitatively evaluated in an HHRA. Human health risks were estimated for significantly complete or potentially complete exposure pathways. Complete and potentially complete exposure pathways are discussed below in Section 4.3.1. Insignificant pathways were not quantified in this HHRA.

Once the complete and potentially complete exposure pathways are identified, the quantification of chemical intake for each receptor requires an estimate of:

- Each COPC concentration the receptor may be exposed to (also referred to as an exposure point concentration [EPC]);
- The absorption of each COPC into the human body once exposed via the complete and potentially complete exposure pathways;

- The frequency and duration of contact for the complete and potentially complete exposure pathways; and
- The biological characteristics of the receptor.

The components of the exposure assessment are discussed further below.

4.3.1 Conceptual Site Model

The Conceptual Site Model (CSM) for the Site identifies the potential chemical exposure pathways (i.e., ways that human receptors could potentially be exposed to the COPCs at the Site) during and after Site redevelopment activities. The receptors and assessment of potentially complete exposure pathways are shown in the CSM presented as Figure 7.

4.3.2 Receptors

As indicated previously, the objective of the HHRA is to assess potential human health risks to future Site receptors from possible exposures to on-Site chemical impacts during and after Site redevelopment activities. Based on a review of data associated with on-Site chemically-impacted areas and the future redevelopment plans, the following receptors were identified:

- Future on-Site construction worker during Site redevelopment;
- Off-Site Resident during and after Site redevelopment;
- Future on-Site landscaper after Site redevelopment;
- Future on-Site commercial worker after Site redevelopment;
- Future on-Site athlete after Site redevelopment; and
- Future on-Site spectator after Site redevelopment.

A description of each receptor is provided below. Potential risks to human health were estimated using conservative default exposure parameters (e.g., body weight, exposure duration, etc.) as available in the EPA's 6 February 2014 document entitled "Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors" for each receptor type.

4.3.2.1 On-Site Construction Worker During Site Redevelopment

The on-Site construction worker is assumed to work outside during on-Site redevelopment activities that occur when surface soils are exposed and/or on-Site grading is being conducted. Intrusive earthwork activities during Site redevelopment include grading and trenching, excavating subsurface features, installing piles/caissons, and possibly construction-related dewatering. These and other demolition and construction-related activities have the potential to disturb chemically-impacted materials on or beneath the surface.

It is assumed that the on-Site construction worker is present on-Site for 8 hours each day, 5 days per week for 50 weeks over one year, and will be exposed to vadose zone soil between the ground surface and up to approximately 10 feet bgs and possibly to perched water.

The potentially complete exposure pathways identified for the on-Site construction worker are:

- Incidental ingestion of vadose zone soil;
- Dermal contact with vadose zone soil and perched groundwater;
- Inhalation of fugitive dust generated from windborne vadose zone soil; and
- Inhalation of volatiles emanating into ambient air from vadose zone soil and perched groundwater.

Perched water has been encountered at the Site during previous Site investigation activities at depths of approximately 10 to 15 feet bgs, but does not appear to be contiguous at the Site and its presence is likely seasonal. It is assumed that the on-Site construction worker may contact perched water during excavation activities. Pursuant to the CAP, should perched water be encountered it will be pumped from the excavation and stored for possible treatment and off-Site discharge. These actions will reduce or eliminate the potential for exposure to perched water if temporarily present in an on-Site excavation, resulting in either no or insignificant exposure to perched water.

However, since perched groundwater may enter a construction trench, a construction worker may be exposed to vapors emanating from the perched water within a trench prior to and during the time is being pumped from the trench. It is, therefore, conservatively assumed that a construction worker may be exposed to groundwater for 1 hour each day for 30 days during on-Site construction activities. This is reasonable, since trenching will only be conducted at the Site during a portion of the construction period, perched groundwater is not continuous across the Site, groundwater is not anticipated to be encountered regularly during trenching activities, and since a construction worker would not work in a trench once groundwater is encountered and while it is being pumped from the trench.

4.3.2.2 Off-Site Resident During and After Site Redevelopment

The off-Site resident is located adjacent to and in proximity to the Site. It is assumed that the off-Site resident will be on a residential property 24 hours each day, 350 days per year over 26 years, 6 years as a child and 20 years as an adult. Although the resident will not be present on-Site, it assumed that they will be potentially exposed to fugitive dust and ambient concentration of VOCs emanating from the Site during on-Site construction activities.

After on-Site construction activities, approximately one to three feet of import fill material will be placed above the surface soil and beneath turf in the soccer playing field, and the remainder of the Site will be covered with either on-Site buildings, pavement, or landscaped areas, except for the Ancillary Redevelopment portion of the Site, which will be partially covered with a grass field. The grass field area will be redeveloped separately from the Stadium Development, and grading activities will be conducted so that soil from the Stadium Development is not mixed with soil from the grass field area. It is, therefore, assumed that after Site redevelopment, fugitive dust or volatilization will only occur from exposed soil in the grass field area, but not to other portions of the Site which will be covered after Site redevelopment, as previously described.

The only potentially complete exposure pathway identified for an off-Site resident is therefore inhalation of fugitive dust and VOCs emanating from the soil into ambient air during Site construction activities, assumed to be conducted over one year, and inhalation of fugitive dust and VOCs emanating

from the grass field area after Site redevelopment, assumed to be the remaining 25 years of their total exposure duration.

4.3.2.3 On-Site Landscaper (Including Utility Worker) After Site Redevelopment

The on-Site landscaper (including utility worker) is assumed to work outside after on-Site redevelopment activities. It is assumed that the on-Site landscaper is present on-Site for 8 hours each day, 2 days per week for 36 weeks (March through November) over 25 years, and will be exposed to vadose zone soil. It is assumed that landscaping activities would not be performed during winter months (December through February).

The on-Site landscaper has higher potential exposure than an on-Site utility worker, who may potentially be exposed to on-Site vadose zone soil for less days per year and over less years than the on-Site landscaper. It is assumed that the on-Site landscaper routinely works at the Site (a couple of days per week); whereas, an on-Site utility worker may periodically work at the Site for relatively short durations (e.g. a few days per year). The estimated health risk to an on-Site landscaper would thus be higher than the estimated health risk to an on-Site utility worker, so that chemical concentrations that are protective for the on-Site landscaper would also be protective for the on-Site utility worker. Therefore, estimated health risks specific to an on-Site utility worker were not separately quantified in the HHRA.

The potentially complete exposure pathways for the on-Site landscaper are similar to those for the on-Site construction worker, and include:

- Incidental ingestion of vadose zone soil;
- Dermal contact with vadose zone soil;
- Inhalation of fugitive dust generated from windborne vadose zone soil; and
- Inhalation of volatiles emanating into ambient air from vadose zone soil.

4.3.2.4 On-Site Commercial Worker After Site Redevelopment

The on-Site commercial worker is assumed to work inside a commercial building after on-Site redevelopment activities. It is assumed that the on-Site commercial worker is present on-Site for 8 hours each day, 5 days per week for 50 weeks each year for 25 years. Approximately one to three feet of import fill material will be placed above the surface soil and beneath turf in the soccer playing field, and the remainder of the Site will be covered with either on-Site buildings, pavement, or landscaped areas. Therefore, it is assumed that the on-Site commercial worker will not have exposure or direct contact with soil containing Site-related COPCs at the Site. The only potentially complete exposure pathway identified for an on-Site commercial worker is inhalation of VOCs in indoor air within on-Site structures due to possible subsurface vapor intrusion.

4.3.2.5 Future On-Site Athlete After Site Redevelopment

It is assumed that approximately one to three feet of import fill material will be placed above the surface soil and beneath turf in the soccer playing field, and the remainder of the Site will be covered with either on-Site buildings, pavement, or landscaped areas. Therefore, it is assumed that the on-Site athlete will not have exposure or direct contact with soil containing Site-related COPCs while on the playing field or at the Site. It is assumed that the on-Site athlete may be present within on-Site

buildings, but at a frequency less than the on-Site commercial worker. The estimated health risks to an on-Site athlete from inhalation of VOCs in indoor air within on-Site structures present due to possible subsurface vapor intrusion would thus be less than the estimated health risks to an on-Site commercial worker. Chemical concentrations that are protective for the on-Site commercial worker would also be protective for the on-Site athlete. Therefore, estimated health risks specific to an on-Site athlete were not separately quantified in the HHRA.

4.3.2.6 Future On-Site Spectator After Site Redevelopment

The on-Site spectator is assumed to attend each on-Site game each Soccer season after on-Site redevelopment activities (i.e., after construction and operation of the stadium). It is assumed that the on-Site spectator is present on-Site for 4 hours each game, 25 games per year (17 regular season games, three playoff games, and 5 preseason and tournament games), for 26 years (6 years as a child and 20 years as an adult) between March through October (35 weeks each year).

It is assumed that approximately one to three feet of import fill material will be placed above the surface soil and beneath turf in the soccer playing field, and the remainder of the Site will be covered with either on-Site buildings, pavement, or landscaped areas, except for the grass field on the Ancillary Development portion of the Site It is, therefore, assumed that the potentially complete exposure pathway for the on-Site spectator include inhalation of vapor and particulates from the grass field into ambient air, and direct contact to the soil underlying the grass field (incidental ingestion and dermal contact). The only other potentially complete exposure pathway identified for an on-Site spectator is inhalation of VOCs in indoor air due to possible subsurface vapor intrusion into the stadium. This is considered conservative, because the proposed stadium is an open-air stadium without a roof. These types of structures are considered to have adequate natural ventilation as opposed to "enclosed" buildings, and are generally not evaluated when assessing potential vapor intrusion concerns. It is also unlikely that a spectator would be inside an "enclosed" building, such as a concession or merchandising space, on the Site for the entire duration of a soccer game. Even so, it is conservatively assumed that the future on-Site spectator will be present within an on-Site "enclosed" building, similar to the future on-Site commercial worker, and will simultaneously be present on the grass field during the time they are assumed to be present on-Site.

4.3.3 Exposure Point Concentrations

Deriving estimates of chemical concentrations at points of potential human exposure is necessary to derive chemical intakes for potentially exposed individuals (i.e., human receptors). These chemical concentrations are referred to as EPCs.

4.3.3.1 Overview of EPC Derivation

Developing long-term EPCs from the investigation data includes an underlying assumption about the representativeness of the data, both temporally and spatially. The EPCs were calculated under the assumption that environmental concentrations will remain constant at the levels detected during the investigation activities for an indefinite period of time. It is thus assumed that the data considered representative of current Site conditions simulates current and future exposure conditions for a receptor having potential exposure to impacted media at the Site. Organic chemicals naturally degrade in the environment, which results in the concentration reduction over time. Since it is conservatively

assumed that no degradation mechanisms will occur, this assumption of steady-state concentrations for each COPC will result in a conservative estimation of long-term exposure concentrations.

To simulate a receptor's spatially and temporally integrated exposure, EPA defines the EPC used to estimate the reasonable maximum exposure (RME) as the 95 percent upper contaminant level (UCL) of the arithmetic mean or the maximum observed concentration, whichever is lower (EPA 1992, 1997, 2002b). The arithmetic mean reflects the assumption that exposure by the receptor is averaged as they traverse an area over time. The intent of the RME scenario is to focus the assessment on a conservative exposure within the range of exposures.

Maximum or 95 percent UCL concentrations in soil within the upper 10 feet bgs across the Site (either across the Site for the construction worker, landscaper, and off-Site resident during redevelopment; or across the Ancillary Development area for the spectator or off-site resident after redevelopment activities) were used to derive EPCs in this HHRA for incidental ingestion and dermal contact with soil, fugitive dust inhalation, and volatilization of VOCs from soil into ambient air. The 95 percent UCL calculation sheets are presented in Appendix C. VOCs in indoor air EPCs were estimated using maximum soil gas concentrations collected at 8 feet bgs across the Site.

Specific information regarding the estimation of EPCs for the inhalation of fugitive dust and VOC concentrations in ambient air and inhalation of VOCs in indoor air is presented below. The EPCs for soil and soil gas are listed in Table 8, 9, and 11, respectively.

4.3.3.2 Fugitive Dust

COPCs that are relatively nonvolatile compounds can adhere to soil and become airborne due to wind erosion or due to mechanical disturbance such as soil grading operations. Once airborne, these soil particulates generate fugitive dust that can be inhaled. The fugitive dust EPC is estimated by multiplying the COPC EPC in surface soil by the inverse of the particulate emission factor (PEF) relevant to the fugitive dust generating activities.

During intrusive activities associated with activities conducted by the future construction worker, fugitive dust may be generated by various activities including not only wind erosion but also by vehicles driven on unpaved roads, trucks dumping excavated soil, dozing, grading, tilling, or similar operations, as noted in the 2002 EPA document (EPA, 2002a). To account for these activities, a PEF of 1×10^6 cubic meter per kilogram (m^3/kg) was used, which corresponds to a respirable dust concentration of 1 milligram per cubic meter (mg/m^3). This is consistent with the default PEF for the construction scenario, published in the 30 September 2014 California Department of Toxic Substances Control (DTSC), Office of Human Health and Ecological Risk, HHRA Note Number 1, entitled "Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities" (DTSC, 2014). The rationale for this PEF is that the maximum concentration of dust in air is the recommended American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (ACGIH, 2016), 10 mg/m^3, 10 percent of that value is respirable dust in the PM10 range.
The on-Site construction scenario PEF was also used to derive fugitive dust concentrations for which the off-Site resident may be exposed. This conservatively assumes that the off-Site resident is located at the Site boundary. In addition, this PEF does not account of dust suppression activities, which would further mitigate fugitive dust from migrating off-Site.

The PEF for during landscaping activities was estimated using the EPA Regional Screening Level (RSL) Calculator website (https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search), conservatively assuming the default value that 50 percent of the Site will contain vegetative cover to account for possible intrusive activities during performance of landscaping activities, and fugitive dust will be generated from wind erosion. The PEF derived for landscaping activities is 1.66 x 10^9 m^3/kg. The output from the RSL Calculator website for the derivation of the PEF during landscaping activities after Site redevelopment is presented in Appendix D.

The PEF after redevelopment activities for a spectator and an off-Site resident was also estimated using the EPA Regional Screening Level (RSL) Calculator website (https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search), conservatively assuming that 80 percent of the grass field will contain vegetative cover (it is more likely that 100 percent of the grass field will contain vegetative cover), and fugitive dust will be generated from wind erosion. The PEF derived for landscaping activities is 4.16 x 10^9 m^3/kg. The output from the RSL Calculator website for the derivation of the PEF associated with the grass field after Site redevelopment is presented in Appendix D.

4.3.3.3 VOCs in Ambient Air from Soil

VOCs may volatize from VOC-impacted soil into the ambient air. The ambient air VOC concentration was estimated by dividing the lower of the COPC EPC in vadose zone soil and the soil saturation limit concentration for the COPC by the volatilization factor (VF) calculated using default soil property data for loamy sand obtained from the Johnson & Ettinger (J&E) vapor intrusion model (J&E model, see Section 4.3.3.4).

The soil saturation limit concentration was estimated following Equation 1 presented in the EPA document entitled "Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites" (EPA 2002a):

$$sat = \frac{S}{\rho_b} \times \left(K_d \rho_b + \Theta_w + H' \Theta_a\right) \quad \text{(Equation 1)}$$

where:

sat	=	Soil saturation concentration (milligrams per kilogram [mg/kg])
S	=	Solubility in water (milligrams per liter-water, chemical-specific, EPA 2016)
ρ_b	=	Dry soil bulk density (grams per cubic centimeter [g/cm^3], default for loamy sand, same as used in the J&E model)
K_d	=	Soil-water partition coefficient (cubic centimeter per gram [cm^3/g]) = Koc x foc
f_{oc}	=	Soil organic carbon-water partition coefficient (cm^3/g, chemical-specific, EPA 2015)
foc	=	Fraction organic carbon in soil (gram per gram [g/g], default, 0.006, EPA 2002a)
Θ_w	=	Water-filled soil porosity (lwater/lsoil, default for loamy sand, same as used in J&E model)
Θ_a	=	Air-filled soil porosity (lair/lsoil, default for loamy sand, same as used in J&E model)
H'	=	Dimensionless Henry's Law constant (chemical-specific, EPA 2016)

The soil VF for the construction scenario was calculated using the following subchronic volatilization factor equation, as specified by EPA (2002a) as Equation 2:

$$VF_{sc} = \left[\frac{(3.14 \times D_A \times T)^{1/2}}{2 \times \rho_b \times D_A}\right] \times 10^{-4} m^2/cm^2 \times Q/C_{sa} \times \frac{1}{F_D}$$ (Equation 2)

where:

VF = Volatilization factor (cubic meters per kilogram [m^3/kg])

D_A = Apparent diffusivity (centimeters squared per second [cm2/s], see Equation 2)

T = Total time over which construction occurs (s, receptor-specific, e.g., 31,536,000 s = 1 year for a construction worker)

ρ_b = Dry soil bulk density (g/cm^3, Site-specific, see Equation 1)

Q/C = Dispersion emission component, ([g/m^2/s]/[kg/m^3], see Equation 4)

F_D = Dispersion correlation factor (unitless, 0.185, EPA 2002a)

and where:

$$D_A = \frac{\left[\left(\Theta_a^{10/3} D_i H' + \Theta_w^{10/3} D_w\right)/n^2\right]}{\rho_b K_d + \Theta_w + \Theta_A H'}$$ (Equation 3)

where:

D_A = Apparent diffusivity (cm^2/s, chemical-specific)

ρ_b = Dry soil bulk density (g/cm^3, Site-specific, see Equation 1)

Θ_A = Air-filled soil porosity (lair/lsoil, Site-specific, see Equation 1)

n = Total soil porosity (lpore/lsoil, Site-specific, see Equation 1)

Θ_w = Water-filled soil porosity (lwater/lsoil, Site-specific, see Equation 1)

D_i = Diffusivity in air (cm^2/s, chemical-specific, EPA 2016)

H' = Dimensionless Henry's Law constant (unitless, chemical-specific, EPA 2012)

D_w = Diffusivity in water (cm^2/s, chemical-specific, EPA 2016)

K_d = Soil-water partition coefficient (cm^3/g) = Koc x foc

K_{oc} = Soil organic carbon-water partition coefficient (cm^3/g, chemical-specific, EPA 2016)

f_{oc} = Fraction organic carbon in soil (g/g, 0.006 = default, EPA 2002a)

$$Q/C_{sa} = A \times \exp\left[\frac{(\ln A_c - B)^2}{C}\right]$$ (Equation 4)

where:

Q/C = Dispersion emission component, ([g/m^2/s]/[kg/m^3]

A = Unitless constant (10.2871 = default for Philadelphia, EPA 2002a)

A_c = Areal extent of Site soil contamination (acres, 13 = area of Site)

B = Unitless constant (18.7124 = default for Philadelphia, EPA 2002a)

C = Unitless constant (212.2704 = default for Philadelphia, EPA 2002a)

The soil VF for future on-Site landscaper was calculated using the following equations presented by EPA (2002a) as Equation 5:

$$VF = \frac{Q/C_{vol} \times (3.14 \times D_A \times T)^{1/2} \times 10^{-4} (m^2/cm^2)}{(2 \times \rho_b \times D_A)}$$ (Equation 5)

where:

VF = Volatilization factor (m^3/kg)

D_A = Apparent diffusivity (cm^2/s, see Equation 3)

T = Total time over which construction occurs (s, receptor specific, e.g., 788,400,000 s = 1 year for a landscaper worker)

ρ_b = Dry soil bulk density (g/cm^3, Site-specific, see Equation 1)

Q/C = Dispersion emission component, ([g/m^2/s]/[kg/m^3], see Equation 4)

Each COPC EPC in ambient air was calculated using the following equation:

$$Ca = \frac{C_s}{VF}$$ (Equation 6)

where:

C_a = Ambient air concentration (milligram per cubic meter [mg/m^3]), also referred to herein as the EPC

C_s = Soil concentration (mg/kg)

VF = Volatilization factor (m^3/kg, see Equation 5)

4.3.3.4 VOCs in Ambient Air from Groundwater

The future on-Site construction worker may potentially be exposed to inhalation of VOCs emanating into ambient air from perched groundwater temporarily present in open trenches. Maximum VOC concentrations identified in the shallow groundwater samples obtained from the Site in December 2013 through January 2016 were used to derive EPCs. Estimates of VOCs emanating into ambient air from groundwater present in open trenches were derived using the methodology developed by the Virginia Department of Environmental Quality (VDEQ). The VDEQ Trench Model was used to calculate volatilization factors from groundwater to air, and the default VDEQ trench dimension assumptions were used to derive EPCs. It was assumed that groundwater would be encountered within 50% of a trench, which is reasonable since it appears that perched groundwater is not continuous across the Site, and since groundwater will be pumped from the trench once encountered. Documentation of the VDEQ Trench Model calculations is provided in Appendix E.

4.3.3.5 VOCs in Indoor Air

VOCs may volatize from VOC-impacted soil or groundwater into indoor air from upward migration of vapor through cracks and seams in the building foundation. The maximum COPC concentrations in soil gas samples collected at the Site were used to calculate EPCs for the inhalation of VOCs in indoor air for the future on-Site commercial worker and future on-Site spectator. Estimates of VOCs in indoor air was evaluated using the EPA Vapor Intrusion Screening Level (VISL) Calculator (Version 3.5.1) and the EPA

advanced soil gas (SG-ADV) Johnson & Ettinger (J&E) vapor intrusion model (Version 3.1, dated February 2004).

4.3.3.5.1. VISL

COPCs in soil gas were evaluated initially using the VISL Calculator, as described in EPA Vapor Intrusion Document (EPA, 2015a). The calculator is based on the premise that VOCs will migrate from groundwater to indoor air, or from sub-slab soil gas to indoor air, at pre-defined vapor intrusion attenuation factors. A vapor intrusion attenuation factor describes the attenuation of VOC concentrations as migration from a source (groundwater or sub-slab soil gas) to indoor air occurs. By applying attenuation factors to a source concentration, indoor air concentrations that could result from vapor intrusion may be estimated.

The vapor intrusion attenuation factors incorporated into the VISL are empirically derived values published by EPA. For sub-slab soil gas, the attenuation factor of 0.03 is based on the 95th percentile attenuation factor for residential homes. This data is described in the 16 March 2012 EPA document, entitled "EPA's Vapor Intrusion Database: Evaluation and Characterization of Attenuation Factors for Chlorinated Volatile Organic Compounds and Residential Buildings" (EPA Attenuation Factor Document) (EPA, 2012). From this data, the selected attenuation factor used in the VISL Calculator for both residential and commercial buildings is the 95th percentile attenuation factor derived from the collected residential subslab data, not soil gas data, after removing data that may contain VOC concentrations from background sources. This assumption may be overly conservative as described by EPA and summarized below.

In Section 6.3 of the EPA Attenuation Factor Document and Appendix A of the EPA Vapor Intrusion Document, EPA indicates that the collected soil gas data "are contrary to the conceptual model for vapor intrusion"; since, the subslab attenuation factor (ratio of indoor air concentration to soil gas concentrations) based on the collected data was lower than the soil gas attenuation factor derived from that data, instead of the other way around. EPA indicates that due to this discrepancy, a substantial portion of the soil gas data in their database, particularly the shallow soil gas data, may not be representative of soil gas concentrations directly underneath a building. Because of this concern, the EPA chose to use the lower subslab attenuation factor in the model for both subslab and "near source" soil gas data, acknowledging the conservatism of this assumption, and also indicating that the subslab attenuation factor does not account for AFsoil, attenuation of soil gas concentrations due to migration through the vadose zone.

The VISL attenuation factor does not account for site-specific conditions that can affect vapor intrusion, including source-building separation distance, geology, hydrogeology, and biodegradation. Furthermore, because the sub-slab soil gas VISLs are based on an attenuation factor that is applicable to sub-slab soil gas (i.e., soil gas that is in direct contact with a building floor slab or foundation), they are even more conservative when applied to the evaluation of deep soil gas data. Due to the conservative nature of the attenuation factors and exposure scenarios used to derive the VISLs, there is high confidence that VOCs detected in groundwater or soil gas at concentrations below the VISLs are not indicative of a vapor intrusion pathway concern, and that no further assessment or exposure mitigation is necessary. Conversely, given the conservative attributes of the VISLs, VOCs detected at concentrations above the VISLs are not indicative of unacceptable risks, but rather represent an indication that further assessment is required.

EPA recommends that professional judgment be used when using the VISL Calculator. If the VISL Calculator results are unacceptable, EPA recommends additional evaluation be conducted to consider other lines of evidence, including site-specific modeling. EPA states in Section 6.6 of the EPA Vapor Intrusion Document that "the use of extreme and non-representative assumptions or parameter values is the most common weakness of mathematical modeling for environmental assessments", and further states that mathematical modeling typically yields more reliable results when used with site-specific data input (e.g., air exchange rates, building mixing height, soil properties) to provide additional lines of evidence supporting the use of mathematical modeling as a line of evidence. The DOEE-approved use of the advanced Johnson & Ettinger model, as identified in the Revised HHRA Work Plan, allows for the consideration of the EPA default air exchange rate and ceiling height for a commercial building and EPA default soil property parameters for observed subsurface vadose zone soil conditions at the Site. Although the VISL Calculator has the option of evaluating a residential scenario or a commercial scenario, the only difference between the two scenarios in the VISL Calculator are the exposure assumptions for the receptor (e.g., exposure time and duration). As indicated above the attenuation factor derived from residential building data is also assumed for a commercial building. In addition, the VISL Calculator does not account for attenuation of soil gas concentrations due to migration through the vadose zone, which is also further discussed below.

In this HHRA, Site-specific modifications to the VISL Calculator include applying a factor of 5 (see below, 3.5 x 1.5 = 5) to the initial VISL Calculator results to account for:

- Commercial building air exchange rate: Factor of 3.5, due to a four-time increase between a residential default air exchange rate of 0.25 exchanges per hours and a default commercial air exchange rate of 0.83 exchanges per hour, as identified in the June 2011 prepared by the District Department of the Environment Toxic Substances Division Underground Storage Tanks Branch document and entitled "District of Columbia Risk-based Corrective Action Technical Guidance" (DCRBCA Technical Guidance) (District of Columbia, 2011).
- Ceiling height: Factor of 1.5, based on the difference between a residential ceiling height, more typically 8 feet, versus typical commercial building height of 12 feet.
- Attenuation through the vadose zone (estimated AFsoil): As acknowledged by the EPA, the VISL Calculator does not account for AFsoil due to upward migration of VOC concentrations in soil gas to the bottom of the building foundation. AFsoil is evident at the Site as shown by the difference between estimated soil gas concentration at the perched water table interface and the measured soil gas concentrations in the vadose zone. This is shown in Table 13 by comparing the estimated soil gas concentrations at nearby perched groundwater (estimated soil gas concentrations from groundwater concentrations using Henry's Law) to the measured soil gas concentration for chemicals detected in soil gas that can be attributed to volatilization from groundwater. Using this data, the range of estimated AFsoil values is 3.5 to 490 (as shown in Table 13) from the depth of groundwater to the depth at which the soil gas samples were collected, approximately 8 feet bgs. The comparison acknowledges that attenuation is occurring as VOCs in soil gas migrate from the water table through the vadose zone to 8 feet bgs and, it is likely that additional attenuation would occur between 8 feet bgs to the bottom of future on-Site building foundations. However, due to the heterogeneity of the vadose zone soil (generally sandier in the upper portion of the vadose zone and clayey in the deeper portion of the vadose zone), these estimate AFsoil values will not be applied to the initial VISL Calculator results. Thus, it will be conservatively assumed in the VISL Calculator that no soil attenuation is occurring in the upper 8 feet of the vadose zone.

The VISL Calculator spreadsheet results are presented in Appendix F.

4.3.3.5.2. Johnson & Ettinger Vapor Intrusion Model

Vapor flux from the subsurface into the indoor air of a future residential building was derived using the EPA advanced soil gas (SG-ADV) Johnson & Ettinger (J&E) vapor intrusion model (Version 3.1, dated February 2004). The J&E model was used to estimate an attenuation factor between subsurface and indoor air for each COPC, which was used to estimate the indoor air EPCs. The J&E derived attenuation factors are summarized in Table 14.

EPA default assumptions used in the J&E model include the EPA-specified chemical parameters and soil physical properties for loamy sand, which was selected as a conservative soil type based on Site-specific geology summarized in Section 1.4.3. A default air exchange rate of 19.9 air exchanges per 24 hours (0.83 air exchanges per hour) for a commercial structure obtained from the DCRBCA Technical Guidance was used in the model. Site-specific information used in the model included maximum soil gas concentrations collected as the Site at a depth of 8 feet bgs. The building foundation of the proposed building on the southern portion of the Site will be constructed with a basement at approximately 4 feet above the perched water table or 2 feet above the soil gas sample depth. Whereas, the building foundations for the building proposed on the remainder of the Site will be constructed slab on grade at the existing ground level. To account for both foundation depths, it was conservatively assumed that the depth of the soil gas samples across the Site is 2 feet beneath the proposed building foundations, and it was assumed that the on-Site structure contains a basement. The assumptions used in the J&E model are summarized in Table 15. The J&E model calculations are presented in Appendix G.

4.3.4 Estimation of Chemical Intakes and Exposure Concentrations

EPA risk assessment guidelines recommend that intake doses be calculated in a manner that produces risk estimates of the RME scenario (EPA, 1989). The RME considers the upper bound case described by using the 50th or 95th percentile of the actual distribution of most input parameters, including receptor characteristics used to estimate intake doses. The intent of the RME scenario is to focus the risk assessment on conservative exposures within the range of possible exposures. Since the RME scenario uses a mixture of upper bound and central tendency assumptions and data, the associated estimated COPC intake is not an average COPC intake, but is intended to be an estimate of the plausible upper-end intake. These conservative assumptions add another level of conservativeness that further overestimates potential exposures. These assumptions are presented in Table 16.

The exposure values for the receptors were primarily obtained from the "Memorandum, Subject: Human Health Evaluation Manual, Supplemental Guidance, Update of Standard Default Exposure Parameters," prepared by the EPA and dated 6 February 2014 (EPA, 2014). Other key guidance documents from which exposure parameters were obtained include the 2002 EPA guidance entitled "Supplemental Guidance for Developing Screening Levels for Superfund Sites," (EPA, 2002a) and the "Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment)," (EPA, 2009).

A description of the derivation of COPC intake for each of the potentially complete exposure pathways is presented in the following sections.

4.3.4.1 Soil Ingestion and Dermal Contact with Soil

For noncarcinogenic effects, intake for soil ingestion and dermal exposure to soil is averaged over the period of exposure and referred to as the average daily intake (ADI). For carcinogenic effects, the intake is averaged over a lifetime and referred to as the lifetime average daily intake (LADI). The following equations were applied to estimate COPC intake for soil ingestion and dermal exposure to soil exposure pathways considered in the HHRA.

4.3.4.1.1. Incidental Ingestion of Soil

The equation that was used to estimate COPC intake due to incidental ingestion of soil is presented below:

$$Intake = \frac{CS \times IR \times CF \times EF \times ED \times RAF}{BW \times AT} \quad \text{(Equation 7)}$$

where:

CS	=	EPC of COPC in soil (mg/kg)
IR	=	Ingestion rate of soil (mg/day)
CF	=	Conversion factor (1×10^{-6} kg/mg)
EF	=	Exposure frequency (days/year)
ED	=	Exposure duration (years)
RAF	=	Relative absorption factor (unitless)
BW	=	Body weight (kg)
AT	=	Averaging time (days)

4.3.4.1.2. Dermal Contact with Soil

The equation used to estimate COPC intake due to dermal contact with soil is presented below:

$$Intake = \frac{CS \times AF \times SA \times CF \times EF_1 \times EF_2 \times ED \times ABS_d}{BW \times AT} \quad \text{(Equation 8)}$$

where:

CS	=	EPC of COPC in soil (mg/kg)
AF	=	Soil adherence factor (mg/cm^2-event)
SA	=	Surface area of exposed skin (cm^2)
CF	=	Conversion factor (1×10^{-6} kg/mg)
EF_1	=	Exposure frequency (days/ year)
EF_2	=	Contact rate (event/day)
ED	=	Exposure duration (years)
ABS_d	=	Dermal absorption fraction (unitless)
BW	=	Body weight (kg)
AT	=	Averaging time (days)

4.3.4.2 *Inhalation Exposure*

For the inhalation pathway, intake of COPCs in air is a time-weighted average concentration, referred to as the exposure concentration (EC), derived from measured or modeled concentrations in air and adjusted based on characteristics of the exposure scenario and receptor being evaluated (e.g., exposure time, exposure frequency, etc.). The following general equation was applied to estimate ECs for the inhalation exposure pathways considered in the HHRA:

$$EC = \frac{CA \times ET \times EF \times ED}{AT} \qquad \text{(Equation 9)}$$

where:

EC	=	Exposure concentration (µg/m^3)
CA	=	EPC of COPC in air (µg/m^3 in air, either measured or modeled)
ET	=	Exposure time (hours/day)
EF	=	Exposure frequency (days/year)
ED	=	Exposure duration (years)
AT	=	Averaging time (hour over a lifetime for cancer risk, hours over exposure period for hazard index)

4.4 TOXICITY ASSESSMENT

The toxicity assessment characterizes the relationship between the magnitude of exposure to a COPC and the nature and magnitude of adverse health effects that may result from each exposure. For the purpose of HHRA, adverse health effects are classified into two broad categories: noncarcinogens and carcinogens. Toxicity values are generally developed based on the threshold approach for noncarcinogenic effects and the non-threshold approach for carcinogenic effects. Toxicity values may be based on epidemiological studies, short-term human studies, or subchronic or chronic animal data. Toxicity values to estimate adverse noncarcinogenic health effects as hazard quotients (HQs) are derived using reference doses (RfDs) and reference concentrations (RfCs); toxicity values to estimate incremental lifetime cancer risks ([ILCRs], also typically referred to as excess lifetime cancer risks) are derived using cancer slope factors (SFs) and unit risk factors (URFs).

4.4.1 Adverse Noncarcinogenic Health Effects

It is widely accepted that adverse noncarcinogenic health effects from chemical substances occur only after a threshold dose or intake is reached. For the purpose of establishing a toxicity value for an adverse noncarcinogenic health effect, a threshold dose is usually estimated from the no-observed-adverse-effect-level (NOAEL) or the lowest-observed-adverse-effect-level (LOAEL) determined from chronic or subchronic animal studies. The NOAEL is the highest dose at which no adverse effects are observed; the LOAEL is the lowest dose at which adverse effects are observed.

Safety factors (up to 1,000-fold) are applied to the NOAEL or LOAEL observed in animal studies or human epidemiological studies to establish conservative RfDs or "reference concentrations." An RfD is an estimate of a dose level that is not expected to result in adverse health effects in humans, even among the most sensitive members of the population (EPA, 1989). RfDs are expressed as acceptable daily doses in milligrams of chemical per kilogram of body weight per day (mg/kg-day).

An RfC is "an estimate of a continuous inhalation exposure to the human population (including sensitive subgroups) that is likely to be without appreciable risk of deleterious effects during a lifetime" (EPA, 2009). RfCs are expressed in ug/m^3.

4.4.2 Carcinogenic Health Effects

Regulatory agencies have generally assumed that carcinogenic agents do not have toxicological thresholds. The dose-response curve used for regulation of carcinogens only predicts zero risk when there is zero dose (i.e., for doses greater than zero, some risk is assumed to be present). Cancer risks from potential human exposures to carcinogenic chemicals are modeled mathematically using either animal or human data.

Cancer risks for exposure to carcinogens are defined in terms of upper bounds on probabilities. The probabilities identify the likelihood of a carcinogenic response in an individual that receives a given dose of a particular chemical (based on mathematical modeling of the animal or human data). Potential carcinogenic effects are expressed as the probability that an individual will develop cancer from a lifetime exposure. This probability is based on projected intakes and chemical-specific dose-response data called SFs and URFs.

The SF defines the cancer risk due to average lifetime exposure to one unit of carcinogen (in units of risk per mg/kg-day written as the inverse of mg/kg-day (mg/kg-day)$^{-1}$). To derive SFs, the EPA generally uses the linearized multistage model for low-dose extrapolation. The model is considered one of the most conservative models applied and has been recognized by EPA to overpredict ILCRs. Using this model, SFs are derived by calculating the 95 percent UCL on the slope of the linearized portion of the dose-response curve obtained from the multistage cancer model. Use of the 95 percent UCL of the slope means that there is only a 5 percent chance that the probability of a response could be greater than the estimated value of the experimental data used.

The inhalation URF (IURF) is "the upper-bound excess lifetime cancer risk estimated to result from continuous exposure to an agent at a concentration of 1 ug/m^3 in air" (EPA, 2009). IURFs are expressed in (ug/m^3)$^{-1}$.

4.4.3 Chemical-specific Toxicity Values

EPA toxicity values were used to estimate ILCRs for carcinogens and HQs and hazard indices (HIs) for adverse noncarcinogenic health effects. Toxicity values were chosen in accordance with the EPA memorandum entitled "Human Health Toxicity Values in Superfund Risk Assessments", dated 5 December 2003 (EPA, 2003), as updated in the EPA Tier 3 Toxicity Value White Paper (EPA, 2013). The recommended toxicity hierarchy is summarized as follows:

Tier 1- IRIS (http://www.epa.gov/iris/). In accordance with EPA guidance, the main source of dose-response values is IRIS, which is a database established by EPA containing all validated data on many toxic substances found at hazardous waste sites. This database was used to identify the CSFs, URs, RfDs, and RfCs applied in this risk assessment.

Tier 2- National Center for Environmental Assessment (NCEA) provisional peer reviewed toxicity values (PPRTVs) (http://hhpprtv.ornl.gov/). NCEA's PPRTVs are developed by the Superfund Technical Support Center (STSC) for the EPA Superfund program. STSC's reassessment of EPA Health Effects Assessment

Summary Tables (HEAST) toxicity values, as well as development of PPRTVs in response to Regional or Headquarters Superfund program requests, are consistent with Agency practices on toxicity value development, use the most recent scientific literature, and are supported by both internal and external peer review, providing a high level of confidence in the use of these values in the Superfund Program. The PPRTVs used in this HHRA were obtained from the EPA Regional Screening Values Table.

Tier 3 - Other toxicity values:

- California Environmental Protection Agency (CAL/EPA's) toxicity values. CALEPA develops toxicity values for both cancer and noncancer effects. CAL/EPA toxicity values are obtained on the CAL/EPA website at http://www.oehha.ca.gov/risk/chemicalDB//index.asp.
- Agency for Toxic Substances and Disease Registry (ATSDR's) Minimal Risk Levels (MRLs) (ATSDR, 2015) address noncancer effects only, and are available on the ATSDR website at http://www.atsdr.cdc.gov/mrls.html. MRL values for intermediate exposure were used as subchronic RfD and RfC values, and MRL values for chronic exposure were used as chronic RfD and RfC values.
- Toxicity values remaining in current versions of HEAST.

This hierarchy is consistent with the toxicity values selected by EPA in their generic tables of Regional Screening Levels, dated May 2016 (EPA, 2016). A list of the toxicity values for the COPCs is presented in Tables 17, 18, and 19.

4.5 RISK CHARACTERIZATION

Risk characterization is the fourth step in the risk assessment process. Risk characterization integrates the toxicity and exposure assessments to provide quantitative and qualitative expressions of risk.

4.5.1 Calculation of Adverse Noncarcinogenic Health Effects - Other Than Lead

The RfD and RfC are used in the risk characterization to estimate the potential for adverse noncarcinogenic health effects. The estimated ADI divided by the RfD or RfC for inhalation exposures is referred to as an HQ. An HQ value greater than 1 indicates a chemical dose above the RfD for that pathway, and thus a potential for adverse noncarcinogenic health effects. A total hazard index (HI) is a sum of the HQs for more than one chemical with similar toxicological endpoints. A total HI greater than 1 indicates a potential for an adverse noncarcinogenic health effect from exposure to that chemical or chemicals. Further risk evaluation is typically undertaken only when this threshold is exceeded. Additional information regarding the derivation and interpretation of HQs and total HI is presented below.

The HQ compares a receptor's exposure or intake level to the RfD or RfC of that COPC, as appropriate for the defined complete pathway (EPA, 1989). To calculate an HQ, the ADI or EC for inhalation exposures (e.g., upper bound intake averaged over the exposure period) for each COPC is divided by the chemical-specific RfD or RfC, respectively, as shown in the following equation:

$HQ_{pathway1}$ = ADI/RfD

or

EC/RfC (Equation 10)

where:

$HQ_{pathway1}$	=	HQ of particular pathway for COPC (unitless)
ADI	=	Average daily intake of COPC (mg/kg-day)
EC	=	Exposure concentration (µg/m^3)
RfD	=	Reference dose of COPC (mg/kg-day)
RfC	=	Reference concentration of COPC (µg/m^3)

When using the above equation to estimate the potential for adverse noncancer health effects, both the intake and the RfD or the exposure concentration and the RfC must refer to exposures of equivalent duration (e.g., chronic).

For each receptor, the HQ of each pathway for the COPC is then summed to calculate the total HQ for that COPC as shown in the following equation:

$$Total\ HQ = HQ_{pathway1} + HQ_{pathway2} + \ldots + HQ_{pathway\ n}$$

(Equation 11)

where:

Total HQ	=	Summed HQs for COPC (unitless)
HQpathway1	=	HQ for particular pathway for COPC (unitless)

As a first tier analysis, the HQs (e.g., for all COPCs, regardless of target organ) for each receptor can be summed as the basis for conservatively estimating a screening total HI for that receptor. In this case, it is assumed that each COPC acts by the same mechanism and induces the same effects (EPA, 1989). For simultaneous exposures to a receptor by several COPCs, a total HI is calculated as the sum of the HQs for each COPC by:

$$Total\ HI = HQ(COPC_1) + HQ(COPC_2) + \ldots + HQ(COPC_n)$$

(Equation 12)

where:

Total HI	=	Total Hazard Index
Total HQ(COPC $_n$)	=	Sum of HQs for that COPC

If the total HI exceeds a value of 1, then acceptable target organ-specific total HIs can be calculated for the receptor based on target organs as recommended by EPA (1989). The target organ-specific total HIs were conservatively not calculated, which results in an overestimation of the noncancer risk.

4.5.2 Calculation of Adverse Noncarcinogenic Health Effects for Lead

Potential human health effects from exposure to lead are typically inferred from blood lead levels, rather than intake and, as such, are not amenable to the HQ/HI approach described in Section 4.5.1. Health risk from potential exposure to lead was evaluated by comparing the maximum lead

concentration site to the published industrial soil Regional Screening Level (RSL) for lead, derived using the EPA Integrated Exposure Uptake Biokinetic Model for Lead (IEUBK Model) (EPA, 2016). This concentration threshold is considered to be protective for each receptor as described in Section 4.5.5.2.

4.5.3 Calculation of Cumulative Incremental Lifetime Cancer Risk

The cancer SF or URF is used in the risk characterization to estimate the cancer risk. The SF multiplied by the LADI or the URF for inhalation exposures multiplied by EC is referred to as an ILCR.

$$ILCR = (LADI) \times (SF)$$

Or

$$EC \times IURF \qquad \text{(Equation 13)}$$

where:

ILCR	=	Incremental lifetime cancer risk for COPC, also referred to as excess lifetime cancer risk (unitless)
LADI	=	Lifetime average daily intake of COPC (mg/kg-day)
EC	=	Exposure concentration ($\mu g/m^3$)
SF	=	Slope factor of COPC $(mg/kg\text{-}day)^{-1}$
IURF	=	Inhalation URF $(\mu g/m^3)^{-1}$

For each COPC identified as a potential human carcinogen, the theoretical upper bound ILCR for a particular receptor is the sum of the calculated ILCRs for each COPC.

For each receptor, the ILCR of each pathway for the COPC is then summed to calculate the ILCR for that COPC as shown in the following equation:

$$ILCRCOPC = ILCRpathway1 + ILCRpathway2 + \ldots + ILCRpathwayn \qquad \text{(Equation 14)}$$

where:

ILCRCOPC	=	Summed ILCR for COPC (unitless)
ILCRpathway1	=	ILCR for particular pathway for COPC (unitless)

If a receptor is exposed to several carcinogens, the following equation is used to sum cancer risks:

$$Cumulative\ ILCR = ILCR(COPC_1) + ILCR(COPC_2) + \ldots + ILCR(COPC_n) \qquad \text{(Equation 15)}$$

where:

Cumulative ILCR	=	Total risk of cancer incidence for all COPCs
ILCR($COPC_n$)	=	Individual COPC ILCR

4.5.4 Application of Age-Sensitivity Factors for Infants and Children

EPA has developed guidance for characterizing cancer susceptibility associated with early life exposures (e.g., young children) to potentially carcinogenic chemicals, presented in the following two documents, and collectively referred to as the Supplemental Cancer Guidance:

- "Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens" prepared by the EPA dated 2005 (EPA, 2005); and
- "Handbook for Implementing Supplemental Cancer Guidance at Waste and Cleanup Sites" dated 2008.

In accordance with the Supplemental Cancer Guidance, for chemicals that initiate carcinogenesis by a mutagenic mode of action (MOA), adjustments are made to the cancer risk calculations to reflect EPA's conclusion that cancer risks for chemicals that act by a mutagenic MOA are generally higher from early-life exposure than from similar exposures later in life. Among the chemicals that EPA has identified as acting through a mutagenic MOA, the following are COPCs in this HHRA:

- Methylene chloride;
- Trichloroethene; and
- Vinyl chloride.

For chemicals for which data concerning differential susceptibility for early life stages is available, EPA may develop CSFs and unit risk values (URs) that are applicable to specific ages (e.g., infants and young children, adults). If chemical-specific data are not available to differentiate susceptibility among various life stages, the Supplemental Cancer Guidance recommends application of age-dependent adjustment factors (ADAFs) to develop risk estimates. The ADAFs developed by EPA are as follows (EPA, 2005; 2008):

- For exposure before 2 years of age (i.e., spanning a 2-year time interval from the first day of birth until a child's second birthday), the ADAF = 10;
- For exposure between 2 and <16 years of age (i.e., spanning a 14-year time interval from a child's second birthday until their sixteenth birthday), the ADAF = 3;
- For exposures after turning 16 years of age, no adjustment is required (i.e., ADAF = 1).

The approach recommended by EPA to evaluate cancer risks for methylene chloride, trichloroethene, and vinyl chloride is further described below and documented in the calculations provided in Appendix H.

4.5.4.1 Methylene Chloride

Since EPA indicates that the ADAFs should be applied to evaluate cancer risks associated with potential exposures to methylene chloride, the ADAFs identified above were used to characterize cancer risks for this COPC in the HHRA.

In accordance with EPA guidance, exposure scenarios evaluated in this HHRA that include children (i.e., off-Site resident and on-Site spectator) are evaluated using two age groups (children <6, and adults),

rather than the three age groups for which ADAFs were developed. The children <6 age-group encompasses the <2 and 2 - <6 ages for which ADAFs have been developed, and the adult group encompasses the children 6 - <16 and >16 ages for which ADAFs have been developed.

Cancer risk calculations for young children (ages <6) are calculated by apportioning the intake calculated for children ages 1 through 6 into a two-year intake for children ages ≤2 and a four-year intake for children ages >2 to 6. The apportioned intakes are then multiplied by the applicable ADAFs and CSF values to derive ILCRs for each age group, as shown in the following equations.

ILCR-ages <2= [Total intake (ages 0 – 2)] x [ADAF (10)] x [CSF] (Equation 16)

ILCR-ages >2 – 6 = [Total intake (ages 2 – 6)] x [ADAF (3)] x [CSF] (Equation 17)

ILCR-ages 1 – 6 = [ELCR-ages <2] + [ELCR-ages >2 – 6] (Equation 18)

Cancer risk calculations for adults (ages >6 – 26) were performed using the same approach

ILCR-ages >6 – <16 = [Total intake (ages 6 - 16)] x [ADAF (3)] x [CSF] (Equation 19)

ILCR-ages 16 – 26 = [Total intake (ages 16 – 26)] x [ADAF (1)] x [CSF] (Equation 20)

ILCR-ages >6 – 26 = [ELCR-ages >6 - <16] + [ELCR-ages 16 – 26] (Equation 21)

4.5.4.2 Trichloroethene

Based on the EPA Regional Screening Levels User's Guide (EPA, 2016), cancer risks associated with trichloroethene for inhalation exposure is calculated as:

ILCR = (Cancer risk calculated using ADAFs presented in Section 4.5.4.1 x 0.244) +
(Cancer risk calculated without incorporating the ADAFs x 0.756) (Equation 22)

As stated previously, the oral and dermal exposure pathway is not complete for the child receptors.

4.5.4.3 Vinyl Chloride

Implementation of the Supplemental Cancer Guidance for vinyl chloride indicates that, when evaluating partial life exposures that begin at birth as is the case with standard 26-year residential exposure scenarios, a separate risk calculation for children that excludes the averaging time component of the standard intake algorithm be included in the total risk calculation. Thus, for children (ages 1 – 6), cancer risk associated with vinyl chloride for inhalation exposure is calculated as:

ILCR = [IURF x (EPC x ET x EF x ED) / (24 hr x AT)] +
[(IURF x (EPC x ET x EF) / (24 hr x 365)] (Equation 23)

Where:

ET	=	Exposure time (hours/day)
EF	=	Exposure frequency (days/year)
ED	=	Exposure duration (years)
AT	=	Averaging time (hour over a lifetime for cancer risk)

As stated previously, the oral and dermal exposure pathway is not complete for the child receptors.

4.5.5 Acceptable Risk Thresholds

Estimates of the Site-specific noncancer HI and cumulative ILCR are compared to acceptable target levels by risk managers. There is some variability in acceptable cumulative ILCRs established by various regulatory agencies, although the acceptable target level for HIs is generally less than or equal to 1 and most target cumulative ILCRs considered acceptable lie within the risk range of 10^{-6} to 10^{-4}.

4.5.5.1 Total Noncancer Hazard Index (Other than Lead)

The HI evaluation process typically occurs in two steps. First, the HQs for all COPCs are added and compared to an acceptable target total HI. If the calculated value is greater than the acceptable target level, then only total HQs for those compounds considered to have additive adverse noncarcinogenic health effects are summed in the second step to refine the HI estimate.

An HI of less than 1 indicates that it is unlikely that adverse human health effects will occur during a lifetime in an exposed population, including sensitive subpopulations (EPA, 1989). Most environmental programs employ an HI of unity (i.e., 1) as an acceptable target for risk decisions. The most explicit directive comes from the federal Superfund program (EPA, 1990). This directive specifies an HI of 1 as the acceptable target for risk management decisions, as well as the acceptable target risk to be achieved in designing remedial responses. This noncancer risk threshold was used in this HHRA for each receptor as the acceptable total HI to assess whether exposure to COPCs at the Site may pose an adverse noncarcinogenic effect.

4.5.5.2 Threshold for Lead

The Site-specific acceptable lead concentration threshold is the industrial soil RSL for lead of 800 mg/kg. This concentration threshold is protective for each receptor.

A lead concentration of 800 mg/kg is considered to be protective for a commercial worker who is exposed to soil 5 days each week for 250 days per year over 25 years. It is, therefore, protective for the on-Site adult receptors who are potentially exposed to soil over a shorter duration (i.e., the construction worker is potentially exposed to soil for 5 days each week over one year; the landscaper is potentially exposed to soil for 2 days per week for 36 weeks per year over 25 years; and the spectator is potentially exposure to soil for less than one day per week for 25 weeks over 26 years).

Potential exposure to 800 m/kg of lead in on-Site soil was further evaluated for the child receptor with greatest potential exposure to lead concentrations in soil at the Site. The child exposure evaluation was conducted using the IEUBK Model (Version 1.1) and a weighted lead concentration derived using the guidance presented in the EPA document entitled “Assessing Intermittent or Variable Exposures at Lead Sites” (EPA-540-R-03-008, OSWER # 9285.7-76). The evaluation was conducted using each of the EPA default values in the IEUBK Model, along with the weighted outdoor soil lead concentration in soil based on 800 mg/kg and the on-Site exposure frequency and duration for a child spectator of 4 hours each game for 25 games each year.

Two child spectator exposure scenarios were derived for evaluation in the IEUBK Model:

- Scenario 1: Weighted lead concentration in soil of 114 mg/kg, assuming exposure during 1 day per week over one year (conservative, assuming 52 days of exposure); and
- Scenario 2: Weighted lead concentration of soil of 57 mg/kg, assuming exposure during 0.5 day per week over one year or 1 day per week over 26 weeks (26 days of exposure).

The IEUBK Model output for each scenario is included in Appendix H. A review of the IEUBK Model outputs for each scenario for children 0-84 months old indicates that for each of the above scenarios the predicted geometric mean blood lead concentration, in micrograms per deciliter (ug/dL), is less than the acceptable threshold of 10 ug/dL, and the estimated probability of exceeding 10 ug/dL is less than the 5 percent. The IEUBK Model results verify that the Site-specific acceptable lead concentration threshold in soil of 800 mg/kg is also protective for the child receptor with greater potential exposure for the Site.

4.5.5.3 Cumulative Incremental Lifetime Cancer Risk

A total incremental lifetime risk of 10^{-6} and 10^{-4} corresponds to theoretical probability of 1 chance in 1 million to 1 chance in ten thousand, which is in addition to or excess of the background cancer risk. The conservatism of such risk increments is enhanced by the fact that risk is typically expressed as an upper bound ILCR. That is, true risk is anticipated to lie somewhere between zero and the upper bound risk estimated in the risk characterization (EPA, 1989). Potential risk estimates between 10^{-6} and 10^{-4} require risk management decisions based on Site-specific land use/exposure scenarios and may or may not require remediation or mitigation (EPA, 1990). It is generally accepted in the regulatory community that risk estimates equal to or less than 10^{-6} do not require remediation or mitigation measures. Risk estimates greater than 10^{-4} generally require remediation or mitigation to reduce potential exposures, and Site remediation based on cumulative ILCRs between 10^{-6} and 10^{-4} is made on a case-by-case basis. As stated in the Revised HHRA Work Plan, a cumulative ILCR threshold of 10^{-5} will be used in the HHRA to assess whether exposure to COPCs at the Site may pose an unacceptable cumulative ILCR for each of the future receptors.

4.5.6 Summary of Risk Characterization Results

The risk characterization results for the Site-related receptors are summarized below and in Table 20. The associated risk calculations are presented in Appendix H. The maximum concentration of lead at the Site is 7,900 mg/kg, which is greater than the acceptable lead concentration threshold for soil at the Site. Therefore, remediation of lead for the protection of health is warranted. The estimated risks associated with exposure to the other COPCs is summarized below for each receptor.

4.5.6.1 Future On-Site Construction Worker During Site Redevelopment

Based on the results of this HHRA for the future on-Site construction worker, the cumulative ILCR is 4 x 10^{-6}, and the total HI is 4. The cumulative ILCR is less than the acceptable cumulative ILCR threshold of 1 x 10^{-5}; however, the total HI is greater than the acceptable total HI of 1. Therefore, mitigation or remediation is necessary to protect the future on-Site construction worker. Risk drivers for the construction worker are cobalt and manganese in soil.

4.5.6.2 Off-Site Resident During and After Site Redevelopment

Based on the results of this HHRA for the future off-Site resident during and after Site redevelopment, the cumulative ILCR is 4 x 10^{-6}, and the total HI is 11. The cumulative ILCR is less than to the acceptable cumulative ILCR threshold of 1 x 10^{-5}; however, the total HI is greater than the acceptable total HI of 1. Therefore, mitigation or remediation is necessary to protect the future off-Site resident during Site redevelopment. The risk drivers for the off-Site resident are arsenic, cadmium, cobalt, lead, manganese, and nickel in soil.

4.5.6.3 Future On-Site Landscaper After Site Redevelopment

Based on the results of this HHRA for the future on-Site landscaper, the cumulative ILCR is 6 x 10^{-6}, and the total HI is 0.07. The cumulative ILCR is less than to the acceptable cumulative ILCR threshold of 1 x 10^{-5}, and the total HI is less than the acceptable total HI of 1. Therefore, mitigation or remediation is not necessary to protect the future on-Site landscaper.

4.5.6.4 Future On-Site Commercial Worker After Site Redevelopment

Based on the results of this HHRA for the future on-Site commercial worker using the VISL Calculator, the cumulative ILCR is 2 x 10^{-5}, and the total HI is 5. Based on the results of this HHRA for the future on-Site commercial worker using the VISL Calculator and omitting soil gas concentrations from SG-13, the cumulative ILCR is 9 x 10^{-6}, and the total HI is 0.3. The cumulative ILCR is less than to the acceptable cumulative ILCR threshold of 1 x 10^{-5}, and the total HI is less than the acceptable total HI of 1, after removing the soil gas sample data at SG-13. The risk driver for the commercial worker is trichloroethene in soil gas. Groundwater sample results from location GTW-661-804-3, in proximity to SG-13, were reviewed. Trichloroethene was not detected in the groundwater sample. Therefore, detected soil gas concentration are presumed to be associated with volatilization of VOCs in soil.
Based on the results of this HHRA for the future on-Site commercial worker using the J&E model, the cumulative ILCR is 3 x 10^{-6}, and the total HI is 0.7. The cumulative ILCR is less than to the acceptable cumulative ILCR threshold of 1 x 10^{-5}, and the total HI is less than the acceptable total HI of 1.

Therefore, mitigation or remediation is necessary to protect the future on-Site commercial worker based on the results of the VISL Calculator.

4.5.6.5 Future On-Site Spectator After Site Redevelopment

Based on the results of this HHRA for the future on-Site spectator using the VISL Calculator, the cumulative ILCR is 3 x 10^{-6}, and the total HI is 0.3. The cumulative ILCR is less than to the acceptable cumulative ILCR threshold of 1 x 10^{-5}, and the total HI is less than the acceptable total HI of 1.

Based on the results of this HHRA for the future on-Site spectator using the J&E model, the cumulative ILCR is 5 x 10^{-6}, and the total HI is 0.05. The cumulative ILCR is less than to the acceptable cumulative ILCR threshold of 1 x 10^{-5}, and the total HI is less than the acceptable total HI of 1.

Based on the results of both the VISL Calculator and the J&E Mode, mitigation or remediation (i.e. vapor mitigation for on-Site Buildings) is not necessary to protect the future on-Site spectator.

4.5.7 Uncertainty Analysis

It should be noted that the risk estimates are conservative estimates of potential future health risks. The EPA guidance documents for risk assessment provide a systematic means for organizing, analyzing, and presenting information on the nature and magnitude of risks to public health posed by chemical exposures. Despite the advanced state of current risk assessment methodology, uncertainties and limitations are inherent in the risk assessment process. In an attempt to minimize the consequences of uncertainty, regulatory guidance typically relies on the use of conservative estimates of adverse health effects in the absence of strong scientific data. Because multiple conservative assumptions are used, the overall risk characterization results are much more likely to overestimate the potential risk rather than to underestimate it.

The risk estimates were overestimates of risk for the following reasons:

- Use of the maximum concentrations assumes that a person would be exposed to a maximum concentration during their entire exposure duration, which is unlikely. It is more realistic to assume that a person may be exposed to representative average concentrations. Thus, the use of maximum concentrations overestimates risk. The assumption that each of these maximum concentrations are co-located within the exposure area further contributes to an overestimate of risks.
- It is also assumed that COPC concentrations remain constant over time. It is more likely that, due to natural degradation processes, organic COPC concentrations will decrease over time. Thus, estimated organic COPC intakes would decrease over time, which would result in lower risk estimates than presented herein.
- Risk assessments require assumptions to assess potential human exposure. The HHRA includes assumptions about general characteristics and potential patterns of human exposure. RME exposures are calculated to provide some measure of the range and uncertainty in potential exposures. The RME case is developed to provide an upper bound on exposure. Because RME estimates are based on a combination of conservative assumptions, the estimates likely overpredict exposures that would generally be encountered. For instance, it is unlikely that the same construction worker will be present on-Site for each day of the entire assumed exposure period of 1 year. It is more likely that any one person will have shorter exposure duration, as their work at the Site during redevelopment activities typically would not expand over a year (e.g., site graders, utility installers, electricians, plumbers, etc.).
- Toxicity values used in risk assessments present overestimates of the potential toxicity of these chemicals to humans. Assumptions used to develop toxicity values include the addition of safety factors to account for uncertainties associated with extrapolating high doses to low doses where chronic environmental exposures would occur and to account for uncertainties associated with the use of laboratory animal studies to assess potential toxicity to human receptors.
- The use of the VISL Calculator and the J&E model to estimate indoor air concentrations are inherently conservative. Conservative Site-specific assumptions were also used that increase the conservatism of the indoor air estimates.
  - VISL Calculator: The VISL Calculator, a screening level calculator, is based on the premise that VOCs will migrate from groundwater to indoor air, or from sub-slab soil gas to indoor air, at pre-defined vapor intrusion attenuation factors. The assumed default

attenuation factor was conservatively selected as a subslab attenuation factor for residential structures, which does not account for attenuation of soil gas concentrations due to migration through the vadose zone. EPA recommends that professional judgment be used when using the VISL Calculator. If the VISL Calculator results are unacceptable, EPA recommends additional evaluation be conducted to consider other lines of evidence, including site-specific modeling.

  - J&E Model: The model assumes that the same input concentration is present beneath the entire building footprint evaluated. It also assumes that the building is under negative pressure and that vapors will migrate upward into the indoor air through foundations cracks and seams at the exterior floor to wall interfaces, with a uniform soil-gas advection rate per square centimeter. In addition, the model does not account for mixing in buildings with upper floors, and for the purposes of this HHRA it was assumed that the entire exposure duration occurs in the floor directly above the building foundation. It was also assumed that the spectator would be inside an "enclosed" structure for the entire duration of a soccer game. This is considered conservative, because the proposed stadium is an open air stadium without a roof. These types of structures are considered to have adequate natural ventilation as opposed to "enclosed" buildings, and are generally not evaluated when assessing potential vapor intrusion concerns. It is unlikely that a spectator would be inside an "enclosed" building on the Site for the entire duration of a soccer game.

- The on-Site construction scenario PEF was also used to derive fugitive dust concentrations for which the off-Site resident may be exposed. This conservatively assumes that the off-Site resident is located at the Site boundary. In addition, this PEF does not account of dust suppression activities, which would further mitigate fugitive dust from migrating off-Site. These assumptions result in an overestimate of human health risks to the off-Site resident.
- If the total HI exceeds a value of 1, then acceptable target organ-specific total HIs can be calculated for the receptor based on target organs as recommended by EPA (1989. The target organ-specific total HIs were conservatively not calculated, which results in an overestimation of the noncancer risk.

4.6 DEVELOPMENT OF HEALTH-BASED REMEDIATION GOALS

The acceptable risk thresholds identified herein were exceeded in the HHRA for the on-Site construction worker and the off-Site resident during construction activities. The COPCs with maximum concentrations that contributed the most to the risk threshold exceedances, referred to as risk drivers (arsenic, cadmium, cobalt, lead, manganese, and nickel in soil, and trichloroethene in soil gas), were identified. Derivation of RBGs for COPCs in groundwater was not warranted. Health-based remediation goals were derived for the chemical risk drivers by lowering the EPCs of these risk drivers in the HHRA calculations until acceptable risk thresholds (i.e. the total HI) were met for each of the receptors. These health-based remediation goals are presented in Table 21. The calculations presenting the derivation of the health protection levels are presented in the end of Appendix I.

5. Water Protection Levels

Pursuant to the CAP, water protection levels (WPLs) were developed that identify chemical concentrations in vadose zone soil that are protective of groundwater and surface water quality should leaching to groundwater occur. D.C. Water Quality Standards from Final Rulemaking published at 41 DCR 1075, 1077 (4 March 1994), as amended by Final Rulemaking published at 57 DCR 9129, 9135-9146 (1 October 2010) and Final Rulemaking published at 60 DCR 15231 (1 November 2013) were used to derive water quality objectives. A water protection level was derived for each COPC with a published water quality objective and as referenced 1104.2 of 57 DCR 9129, the lowest of the values in the various classes were assumed to be the water quality objective. These water quality objectives were selected to assess the threat to groundwater/surface water due to chemical leaching, as opposed to drinking water standards; since, groundwater and surface water within the adjacent Anacostia Rivera are not being used for municipal purposes.

The DCRBCA Technical Guidance describes the following equation to be used for calculating soil source concentrations protective of groundwater:

$C_{leachate} = DAF_{unsat} \times DAF_{mix} \times DAF_{sat} \times C_{POE}$

where:

$C_{leachate}$	=	Concentration in leachate
DAF_{unsat}	=	Dilution attenuation factor in unsaturated (vadose) zone
DAF_{mix}	=	Dilution attenuation factor in mixing zone
DAF_{sat}	=	Dilution attenuation factor in saturated zone
C_{POE}	=	Chemical concentration point of exposure

DAF_{unsat} is assumed to be 1 (no attenuation is assumed) since impacted soil may be present throughout the vadose zone. DAF_{mix} was assumed to be 20 to account groundwater mixing, consistent with the derivation of soil screening levels as described in the July 1996 EPA document entitled "Soil Screening Guidance: Technical Background Document" (Soil Screening Guidance) and as indicated in the CAP. The DAF_{sat} value was obtained from Table 5-7 and relates the distance from the downgradient edge of the groundwater source to the point of exposure with the nearest surface water body, the Anacostia River. A value of 91 (mg/L)/(mg/L) was used since the Anacostia River, the closest surface water body to the subject Site, is located over 600 feet from the subject Site.

The WPLs were derived to meet the above adjusted water quality objectives using the soil partition equation from the Soil Screening Guidance:

$$C_t = C_w \left((K_{oc} f_{oc}) + \frac{\theta_w + \theta_a H'}{\rho_b} \right)$$

where:

C_t	=	Soil concentration (ug/kg)
C_w	=	Aqueous concentration (ug/L)
K_{oc}	=	Soil organic carbon/water partition coefficient (L/kg)
F_{oc}	=	Fraction organic carbon (kg/kg)
K_d	=	soil-water partition coefficient (L/kg) (Koc x foc or Site-specific)
θ_w	=	Water filled porosity
θ_a	=	Air filled soil porosity
H'	=	Dimensionless Henry's Law
ρ_b	=	Dry soil bulk density (kg/L)

Default soil physical properties for loamy sand, the same EPA default values used in the J&E model to estimate indoor air concentrations, were used in the partition equation as a conservative soil type based on Site-specific geology summarized in Section 1.4.3. The DCRBCA Technical Guidance default fractional organic carbon content value of 0.01 g-C/g-soil was used, along with chemical specific parameters from the EPA's May 2016 Regional Screening Levels – Summary Table (EPA, 2016).

A summary of WPLs is presented in Table 22, and calculation are provided in Appendix J.

6. Risk-Based Goals

Risk-based goals (RBGs) are the lower of health-based remediation goals and WPLs, and are therefore protective of both human health, and surface and groundwater quality. Table 23 is a summary of RBGs for the Site. Figure 8 shows soil sample locations that exceed the RBGs.

7. Conclusions

Soil excavation is warranted to protect human health and surface and groundwater quality (see Figure 10 for the sample locations with COPC concentrations that exceed RBGs).

Based on the results of the HHRA:

- Remedial excavation is warranted to protect the construction worker and off-Site resident during Site redevelopment.
- Remedial excavation is not warranted to protect the on-Site receptors (landscaper, commercial worker, and spectator) after Site redevelopment, with the following exception. Soil with elevated VOC concentrations in proximity to SG-13 is proposed to be excavated to protect the future on-Site commercial worker from elevated exposure due to possible vapor intrusion. Prior to remedial excavation, additional soil and soil gas sample is recommended to estimate the limits of the proposed remedial excavation. No other mitigation activities (i.e. vapor mitigation for on-Site Buildings) are proposed at this time to protect the future on-Site commercial worker.

Based on the result of the water protection level evaluation, mitigation or remediation is warranted to protect surface water.

In addition, dust control measures should be implemented during redevelopment activities so that fugitive dust concentrations do not exceed 0.1 mg/m^3 (PM10), as described in the revised 15 November 2016 document for the Site entitled, “Dust and Odor Control Plan” (Haley & Aldrich, 2016d).

8. Limitations

All recommendations are based solely on existing Site conditions at the time of performance of services. Haley & Aldrich is unable to report on, or accurately predict events that may impact the Site following preparation of this document, whether naturally occurring or caused by external forces. The recommendations provided by Haley & Aldrich are based solely on the scope of work conducted and the sources of information referenced in this document. Services hereunder were performed in accordance with our agreement and understanding with, and solely for the use of D.C. United and their client, Government of the District of Columbia Office of the Deputy Mayor for Planning and Economic Development. Any additional information that becomes available concerning this Site should be provided to Haley & Aldrich so that any further recommendations may be reviewed and modified as necessary. Haley & Aldrich is not responsible for the subsequent separation, detachment, or partial use of this document. No warranty or guarantee, whether expressed or implied, is made with respect to the recommendations expressed in this report. Any reliance on this report by a third party shall be at such party's sole risk.

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TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-001-SO-100	DP-002-SO-100	DP-025	DP-038	DP-038	DP-038	DP-057	DP-061	DP-066	DP-092
Sample Date	04/22/2015	04/22/2015	07/07/2015	07/09/2015	07/09/2015	07/09/2015	07/10/2015	07/10/2015	07/13/2015	07/15/2015
Sample Name	DP-001-SO-100-01	DP-002-SO-100-01	DP-025-SO-100-01	DP-038-SO-010-01	DP-038-SO-050-01	DP-038-SO-100-01	DP-057-SO-050-01	DP-061-SO-050-01	DP-066-SO-050-01	DP-092-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0 - 10 (ft)	0 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)
Volatile Organic Compounds (mg/kg)										
1,1,1,2-Tetrachloroethane	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6
1,1,2,2-Tetrachloroethane	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6
1,1,2-Trichloroethane	< 0.0043	< 0.0059	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.087	< 0.091	< 0.088	< 0.89
1,1-Dichloroethane	< 0.0043	< 0.0059	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.087	< 0.091	< 0.088	< 0.89
1,1-Dichloroethene	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6
1,1-Dichloropropene	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	< 0.0043	< 0.0059	< 0.0062	< 0.0057	< 0.0056	< 0.006	< 0.29	< 0.3	< 0.29	< 3
1,2,3-Trichloropropane	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	< 0.0043	< 0.0059	< 0.0062	< 0.0057	< 0.0056	< 0.006	< 0.29	< 0.3	< 0.29	< 3
1,2,4-Trimethylbenzene	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	< 0.0043	< 0.0059	< 0.0062	< 0.0057	< 0.0056	< 0.006	< 0.29	< 0.3	< 0.29	< 3
1,2-Dibromoethane (Ethylene Dibromide)	< 0.0043	< 0.0059	< 0.0049	< 0.0046	< 0.0045	< 0.0048	< 0.23	< 0.24	< 0.23	< 2.4
1,2-Dichlorobenzene	< 0.0043	< 0.0059	< 0.0062	< 0.0057	< 0.0056	< 0.006	< 0.29	< 0.3	< 0.29	< 3
1,2-Dichloroethane	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6
1,2-Dichloroethene (total)	-	-	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	**0.027**	< 0.6
1,2-Dichloropropane	< 0.0043	< 0.0059	< 0.0043	< 0.004	< 0.004	< 0.0042	< 0.2	< 0.21	< 0.2	< 2.1
1,3,5-Trimethylbenzene	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	< 0.0043	< 0.0059	< 0.0062	< 0.0057	< 0.0056	< 0.006	< 0.29	< 0.3	< 0.29	< 3
1,3-Dichloropropane	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
1,3-Dichloropropene	-	-	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6
1,4-Dichlorobenzene	< 0.0043	< 0.0059	< 0.0062	< 0.0057	< 0.0056	< 0.006	< 0.29	< 0.3	< 0.29	< 3
1,4-Dioxane	-	-	< 0.12	< 0.11	< 0.11	< 0.12	< 5.8	< 6.1	< 5.9	< 60
2,2-Dichloropropane	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	< 0.0853	< 0.117	**0.004**	< 0.011	< 0.011	< 0.012	< 0.58	**0.06**	< 0.59	< 6
2-Chlorotoluene	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
2-Hexanone	< 0.0427	< 0.0587	< 0.012	< 0.011	< 0.011	< 0.012	< 0.58	< 0.61	< 0.59	< 6
2-Phenylbutane (sec-Butylbenzene)	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
4-Chlorotoluene	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	< 0.0427	< 0.0587	< 0.012	< 0.011	< 0.011	< 0.012	< 0.58	< 0.61	< 0.59	< 6
Acetone	**0.0663**	**0.0532**	**0.039**	**0.011**	< 0.041	**0.0038**	**0.12**	**0.23**	< 2.1	< 21
Benzene	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6
Bromobenzene	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
Bromodichloromethane	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6
Bromoform	< 0.0043	< 0.0059	< 0.0049	< 0.0046	< 0.0045	< 0.0048	< 0.23	< 0.24	< 0.23	< 2.4
Bromomethane (Methyl Bromide)	< 0.0085	< 0.0117	< 0.0025	< 0.0023	< 0.0022	< 0.0024	**0.024**	**0.026**	< 0.12	< 1.2
Carbon disulfide	-	-	< 0.012	< 0.011	< 0.011	< 0.012	< 0.58	< 0.61	< 0.59	< 6
Carbon tetrachloride	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6
Chlorobenzene	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6

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Sample Date	04/22/2015	04/22/2015	07/07/2015	07/09/2015	07/09/2015	07/09/2015	07/10/2015	07/10/2015	07/13/2015	07/15/2015
Sample Name	DP-001-SO-100-01	DP-002-SO-100-01	DP-025-SO-100-01	DP-038-SO-010-01	DP-038-SO-050-01	DP-038-SO-100-01	DP-057-SO-050-01	DP-061-SO-050-01	DP-066-SO-050-01	DP-092-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0 - 10 (ft)	0 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)
Chlorobromomethane	< 0.0043	< 0.0059	< 0.0062	< 0.0057	< 0.0056	< 0.006	< 0.29	< 0.3	< 0.29	< 3
Chloroethane	< 0.0085	< 0.0117	< 0.0025	< 0.0023	< 0.0022	< 0.0024	< 0.12	< 0.12	< 0.12	< 1.2
Chloroform (Trichloromethane)	< 0.0043	< 0.0059	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.087	< 0.091	< 0.088	< 0.89
Chloromethane (Methyl Chloride)	< 0.0085	< 0.0117	< 0.0062	< 0.0057	< 0.0056	< 0.006	< 0.29	< 0.3	< 0.29	< 3
cis-1,2-Dichloroethene	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	**0.027**	< 0.6
cis-1,3-Dichloropropene	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6
Cyclohexane	-	-	< 0.025	< 0.023	< 0.022	< 0.024	< 1.2	< 1.2	< 1.2	< 12
Cymene (p-Isopropyltoluene)	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
Dibromochloromethane	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6
Dibromomethane	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	< 0.0085	< 0.0117	< 0.012	< 0.011	< 0.011	< 0.012	< 0.58	< 0.61	< 0.59	< 6
Diisopropyl ether (DIPE)	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
Ethylbenzene	< 0.0043	< 0.0059	< 0.0012	**0.00059**	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	**0.6**
Hexachlorobutadiene	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	< 0.0043	< 0.0059	< 0.0012	**0.00029**	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	**0.4**
m,p-Xylenes	< 0.0085	< 0.0117	< 0.0025	**0.0011**	< 0.0022	< 0.0024	< 0.12	< 0.12	< 0.12	**2.2**
Methyl acetate	-	-	< 0.0049	< 0.0046	< 0.0045	< 0.0048	< 0.23	< 0.24	< 0.23	< 2.4
Methyl cyclohexane	-	-	< 0.0049	**0.0014**	< 0.0045	< 0.0048	**0.084**	< 0.24	< 0.23	**1.1**
Methyl Tert Butyl Ether	< 0.0043	< 0.0059	< 0.0025	< 0.0023	< 0.0022	< 0.0024	< 0.12	< 0.12	< 0.12	< 1.2
Methylene chloride	**0.0037**	**0.0148**	< 0.0062	< 0.0057	< 0.0056	< 0.006	< 0.29	< 0.3	< 0.29	< 3
n-Butylbenzene	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
n-Propylbenzene	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
o-Xylene	< 0.0043	< 0.0059	< 0.0025	**0.0012**	< 0.0022	< 0.0024	**0.098**	< 0.12	< 0.12	**1.1**
Styrene	< 0.0043	< 0.0059	< 0.0025	< 0.0023	< 0.0022	< 0.0024	< 0.12	< 0.12	< 0.12	< 1.2
tert-Butylbenzene	< 0.0043	< 0.0059	-	-	-	-	-	-	-	-
Tetrachloroethene	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	**3.6**	< 0.061	**0.07**	< 0.6
Toluene	< 0.0043	< 0.0059	< 0.0018	**0.00035**	< 0.0017	< 0.0018	< 0.087	< 0.091	< 0.088	**0.14**
trans-1,2-Dichloroethene	< 0.0043	< 0.0059	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.087	< 0.091	< 0.088	< 0.89
trans-1,3-Dichloropropene	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6
Trichloroethene	< 0.0043	< 0.0059	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.058	< 0.061	< 0.059	< 0.6
Trichlorofluoromethane (CFC-11)	< 0.0043	< 0.0059	< 0.0062	< 0.0057	< 0.0056	< 0.006	< 0.29	< 0.3	< 0.29	< 3
Trifluorotrichloroethane (Freon 113)	-	-	< 0.025	< 0.023	< 0.022	< 0.024	< 1.2	< 1.2	< 1.2	< 12
Vinyl acetate	< 0.0427	< 0.0587	-	-	-	-	-	-	-	-
Vinyl chloride	< 0.0085	< 0.0117	< 0.0025	< 0.0023	< 0.0022	< 0.0024	< 0.12	< 0.12	< 0.12	< 1.2
Xylene (total)	< 0.0085	< 0.0117	< 0.0025	**0.0023**	< 0.0022	< 0.0024	**0.098**	< 0.12	< 0.12	**3.3**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-092	DP-092	DP-105	DP-110	DP-110	DP-110	DP-111	DP-111	DP-111	DP-112	DP-112	DP-112
Sample Date	07/15/2015	07/15/2015	07/17/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015
Sample Name	DP-092-SO-050-01	DP-092-SO-100-01	DP-105-SO-100-01	DP-110-SO-010-01	DP-110-SO-050-01	DP-110-SO-100-01	DP-111-SO-010-01	DP-111-SO-050-01	DP-111-SO-100-01	DP-112-SO-010-01	DP-112-SO-050-01	DP-112-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	< 0.18	< 2.2	< 0.089	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	< 0.18	< 2.2	< 0.089	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	< 0.6	< 7.3	< 0.3	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	< 0.6	< 7.3	< 0.3	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	< 0.6	< 7.3	< 0.3	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	< 0.48	< 5.9	< 0.24	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	< 0.6	< 7.3	< 0.3	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	< 0.42	< 5.1	< 0.21	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	< 0.6	< 7.3	< 0.3	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	< 0.6	< 7.3	< 0.3	-	-	-	-	-	-	-	-	-
1,4-Dioxane	< 12	< 150	< 5.9	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	< 1.2	< 15	< 0.59	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	< 1.2	< 15	< 0.59	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	< 1.2	< 15	< 0.59	-	-	-	-	-	-	-	-	-
Acetone	< 4.3	< 53	< 2.1	-	-	-	-	-	-	-	-	-
Benzene	< 0.12	< 1.5	< 0.059	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.0013	< 0.0012	< 0.0011	< 0.0012	< 0.0031
Bromobenzene	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
Bromoform	< 0.48	< 5.9	< 0.24	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	< 0.24	< 2.9	< 0.12	-	-	-	-	-	-	-	-	-
Carbon disulfide	< 1.2	< 15	< 0.59	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
Chlorobenzene	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-092	DP-092	DP-105	DP-110	DP-110	DP-110	DP-111	DP-111	DP-111	DP-112	DP-112	DP-112
Sample Date	07/15/2015	07/15/2015	07/17/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015
Sample Name	DP-092-SO-050-01	DP-092-SO-100-01	DP-105-SO-100-01	DP-110-SO-010-01	DP-110-SO-050-01	DP-110-SO-100-01	DP-111-SO-010-01	DP-111-SO-050-01	DP-111-SO-100-01	DP-112-SO-010-01	DP-112-SO-050-01	DP-112-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Chlorobromomethane	< 0.6	< 7.3	< 0.3	-	-	-	-	-	-	-	-	-
Chloroethane	< 0.24	< 2.9	< 0.12	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	< 0.18	< 2.2	< 0.089	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	< 0.6	< 7.3	< 0.3	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
Cyclohexane	< 2.4	< 29	< 1.2	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
Dibromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	< 1.2	< 15	< 0.59	-	-	-	-	-	-	-	-	-
Diisopropyl ether (DIPE)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	**0.16**	**1**	< 0.059	**0.00075**	< 0.0012	< 0.0012	< 0.0011	< 0.0013	< 0.0012	< 0.0011	< 0.0012	< 0.0031
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	**0.12**	**0.71**	< 0.059	-	-	-	-	-	-	-	-	-
m,p-Xylenes	**0.61**	**3.5**	< 0.12	**0.0031**	< 0.0025	< 0.0025	< 0.0022	< 0.0026	< 0.0025	< 0.0023	< 0.0024	< 0.0062
Methyl acetate	< 0.48	< 5.9	< 0.24	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	**0.28**	**2.2**	< 0.24	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	< 0.24	< 2.9	< 0.12	-	-	-	-	-	-	-	-	-
Methylene chloride	< 0.6	< 7.3	< 0.3	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	**0.3**	**1.6**	< 0.12	**0.0025**	< 0.0025	< 0.0025	< 0.0022	< 0.0026	< 0.0025	< 0.0023	< 0.0024	< 0.0062
Styrene	< 0.24	< 2.9	< 0.12	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
Toluene	**0.034**	< 2.2	< 0.089	**0.00057**	< 0.0019	< 0.0019	< 0.0017	< 0.002	< 0.0018	< 0.0017	< 0.0018	**0.0034**
trans-1,2-Dichloroethene	< 0.18	< 2.2	< 0.089	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
Trichloroethene	< 0.12	< 1.5	< 0.059	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	< 0.6	< 7.3	< 0.3	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	< 2.4	< 29	< 1.2	-	-	-	-	-	-	-	-	-
Vinyl acetate	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	< 0.24	< 2.9	< 0.12	-	-	-	-	-	-	-	-	-
Xylene (total)	**0.91**	**5.1**	< 0.12	**0.0056**	< 0.0025	< 0.0025	< 0.0022	< 0.0026	< 0.0025	< 0.0023	< 0.0024	< 0.0062

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-113	DP-113	DP-113	DP-114	DP-114	DP-114	DP-115	DP-115	DP-115	DP-115	DP-115	DP-115
Sample Date	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015
Sample Name	DP-113-SO-010-01	DP-113-SO-050-01	DP-113-SO-100-01	DP-114-SO-010-01	DP-114-SO-050-01	DP-114-SO-100-01	DP-115-SO-010-01	DP-115-SO-010-02	DP-115-SO-050-01	DP-115-SO-050-02	DP-115-SO-100-01	DP-115-SO-100-02
Sample Type	N	N	N	N	N	N	N	FD	N	FD	N	FD
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	< 0.0011	< 0.0011	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.0012	< 0.0013	< 0.0012
Bromobenzene	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-113	DP-113	DP-113	DP-114	DP-114	DP-114	DP-115	DP-115	DP-115	DP-115	DP-115	DP-115
Sample Date	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015
Sample Name	DP-113-SO-010-01	DP-113-SO-050-01	DP-113-SO-100-01	DP-114-SO-010-01	DP-114-SO-050-01	DP-114-SO-100-01	DP-115-SO-010-01	DP-115-SO-010-02	DP-115-SO-050-01	DP-115-SO-050-02	DP-115-SO-100-01	DP-115-SO-100-02
Sample Type	N	N	N	N	N	N	N	FD	N	FD	N	FD
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether (DIPE)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	< 0.0011	< 0.0011	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.0012	< 0.0013	< 0.0012
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	**0.00022**	< 0.0023	< 0.0024	< 0.0022	< 0.0023	< 0.0024	< 0.0023	< 0.0021	< 0.0023	< 0.0023	< 0.0025	< 0.0025
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	< 0.0022	< 0.0023	< 0.0024	< 0.0022	< 0.0023	< 0.0024	< 0.0023	< 0.0021	< 0.0023	< 0.0023	< 0.0025	< 0.0025
Styrene	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	< 0.0016	< 0.0017	< 0.0018	< 0.0016	< 0.0017	< 0.0018	< 0.0017	< 0.0016	< 0.0017	< 0.0017	< 0.0019	< 0.0019
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	**0.00022**	< 0.0023	< 0.0024	< 0.0022	< 0.0023	< 0.0024	< 0.0023	< 0.0021	< 0.0023	< 0.0023	< 0.0025	< 0.0025

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-116	DP-116	DP-116	DP-117	DP-117	DP-117	DP-127	DP-127	DP-127	DP-128	DP-128	DP-128
Sample Date	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015
Sample Name	DP-116-SO-010-01	DP-116-SO-050-01	DP-116-SO-100-01	DP-117-SO-010-01	DP-117-SO-050-01	DP-117-SO-100-01	DP-127-SO-010-01	DP-127-SO-050-01	DP-127-SO-100-01	DP-128-SO-010-01	DP-128-SO-050-01	DP-128-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	< 0.0012	< 0.0012	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.0011	< 0.0011	< 0.0012
Bromobenzene	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-116	DP-116	DP-116	DP-117	DP-117	DP-117	DP-127	DP-127	DP-127	DP-128	DP-128	DP-128
Sample Date	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015
Sample Name	DP-116-SO-010-01	DP-116-SO-050-01	DP-116-SO-100-01	DP-117-SO-010-01	DP-117-SO-050-01	DP-117-SO-100-01	DP-127-SO-010-01	DP-127-SO-050-01	DP-127-SO-100-01	DP-128-SO-010-01	DP-128-SO-050-01	DP-128-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether (DIPE)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	< 0.0012	< 0.0012	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.0011	< 0.0011	< 0.0012
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	< 0.0023	< 0.0024	< 0.0024	< 0.0022	< 0.0023	< 0.0024	< 0.0022	< 0.0023	< 0.0025	< 0.0021	< 0.0022	< 0.0024
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	< 0.0023	< 0.0024	< 0.0024	< 0.0022	< 0.0023	< 0.0024	< 0.0022	< 0.0023	< 0.0025	< 0.0021	< 0.0022	< 0.0024
Styrene	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	< 0.0017	< 0.0018	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.0016	< 0.0017	< 0.0019	< 0.0016	< 0.0017	< 0.0018
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	< 0.0023	< 0.0024	< 0.0024	< 0.0022	< 0.0023	< 0.0024	< 0.0022	< 0.0023	< 0.0025	< 0.0021	< 0.0022	< 0.0024

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-129	DP-129	DP-129	DP-130	DP-130	DP-130	DP-131	DP-131	DP-131	DP-132	DP-132	DP-132
Sample Date	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015
Sample Name	DP-129-SO-010-01	DP-129-SO-050-01	DP-129-SO-100-01	DP-130-SO-010-01	DP-130-SO-050-01	DP-130-SO-100-01	DP-131-SO-010-01	DP-131-SO-050-01	DP-131-SO-100-01	DP-132-SO-010-01	DP-132-SO-050-01	DP-132-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	< 0.0012	< 0.0012	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.001	< 0.0011	< 0.0012	< 0.0011	< 0.0011	< 0.0012
Bromobenzene	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-129	DP-129	DP-129	DP-130	DP-130	DP-130	DP-131	DP-131	DP-131	DP-132	DP-132	DP-132
Sample Date	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015
Sample Name	DP-129-SO-010-01	DP-129-SO-050-01	DP-129-SO-100-01	DP-130-SO-010-01	DP-130-SO-050-01	DP-130-SO-100-01	DP-131-SO-010-01	DP-131-SO-050-01	DP-131-SO-100-01	DP-132-SO-010-01	DP-132-SO-050-01	DP-132-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether (DIPE)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	< 0.0012	< 0.0012	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.001	< 0.0011	< 0.0012	< 0.0011	< 0.0011	< 0.0012
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	< 0.0023	< 0.0023	< 0.0024	< 0.0022	< 0.0023	< 0.0024	< 0.002	< 0.0023	< 0.0024	< 0.0022	< 0.0022	< 0.0025
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	< 0.0023	< 0.0023	< 0.0024	< 0.0022	< 0.0023	< 0.0024	< 0.002	< 0.0023	< 0.0024	< 0.0022	< 0.0022	< 0.0025
Styrene	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	< 0.0017	< 0.0018	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.0015	< 0.0017	< 0.0018	< 0.0017	< 0.0016	< 0.0018
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	< 0.0023	< 0.0023	< 0.0024	< 0.0022	< 0.0023	< 0.0024	< 0.002	< 0.0023	< 0.0024	< 0.0022	< 0.0022	< 0.0025

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-133	DP-133	DP-133	DP-133	DP-134	DP-134	DP-134	DP-135	DP-135	DP-151	DP-151	DP-151
Sample Date	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/20/2016	07/20/2016	07/20/2016
Sample Name	DP-133-SO-010-01	DP-133-SO-050-01	DP-133-SO-100-01	DP-133-SO-100-02	DP-134-SO-010-01	DP-134-SO-050-01	DP-134-SO-100-01	DP-135-SO-010-01	DP-135-SO-050-01	DP-151-SO-010-01	DP-151-SO-050-01	DP-151-SO-100-01
Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	1 (ft)	5 (ft)	10 (ft)
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	< 0.0019	< 0.0017	< 0.0016
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	< 0.0019	< 0.0017	< 0.0016
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
1,1-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	< 0.0063	< 0.0058	< 0.0053
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	< 0.0063	< 0.0058	< 0.0053
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	< 0.0063	< 0.0058	< 0.0053
1,2-Dibromoethane (Ethylene Dibromide)	-	-	-	-	-	-	-	-	-	< 0.005	< 0.0046	< 0.0042
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	< 0.0063	< 0.0058	< 0.0053
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
1,2-Dichloroethene (total)	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	< 0.0044	< 0.004	< 0.0037
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	< 0.0063	< 0.0058	< 0.0053
1,3-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	< 0.0063	< 0.0058	< 0.0053
1,4-Dioxane	-	-	-	-	-	-	-	-	-	< 0.12	< 0.12	< 0.1
2,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	< 0.012	< 0.012	< 0.01
2-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	< 0.012	< 0.012	< 0.01
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	-	-	-	< 0.012	< 0.012	< 0.01
Acetone	-	-	-	-	-	-	-	-	-	< 0.045	**0.0051**	< 0.038
Benzene	< 0.0011	< 0.0012	< 0.0012	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.0012	**0.00012**
Bromobenzene	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
Bromoform	-	-	-	-	-	-	-	-	-	< 0.005	< 0.0046	< 0.0042
Bromomethane (Methyl Bromide)	-	-	-	-	-	-	-	-	-	< 0.0025	< 0.0023	< 0.0021
Carbon disulfide	-	-	-	-	-	-	-	-	-	< 0.012	< 0.012	< 0.01
Carbon tetrachloride	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
Chlorobenzene	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-133	DP-133	DP-133	DP-133	DP-134	DP-134	DP-134	DP-135	DP-135	DP-151	DP-151	DP-151
Sample Date	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/20/2016	07/20/2016	07/20/2016
Sample Name	DP-133-SO-010-01	DP-133-SO-050-01	DP-133-SO-100-01	DP-133-SO-100-02	DP-134-SO-010-01	DP-134-SO-050-01	DP-134-SO-100-01	DP-135-SO-010-01	DP-135-SO-050-01	DP-151-SO-010-01	DP-151-SO-050-01	DP-151-SO-100-01
Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	1 (ft)	5 (ft)	10 (ft)
Chlorobromomethane	-	-	-	-	-	-	-	-	-	< 0.0063	< 0.0058	< 0.0053
Chloroethane	-	-	-	-	-	-	-	-	-	< 0.0025	< 0.0023	< 0.0021
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	< 0.0019	< 0.0017	< 0.0016
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	-	-	< 0.0063	< 0.0058	< 0.0053
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
Cyclohexane	-	-	-	-	-	-	-	-	-	< 0.025	< 0.023	< 0.021
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
Dibromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	< 0.012	< 0.012	< 0.01
Diisopropyl ether (DIPE)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	< 0.0011	< 0.0012	< 0.0012	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.0011	< 0.0011	< 0.0012	< 0.0012	< 0.001
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
m,p-Xylenes	< 0.0022	< 0.0024	< 0.0024	< 0.0024	< 0.0022	< 0.0022	< 0.0024	< 0.0023	**0.0003**	< 0.0025	< 0.0023	< 0.0021
Methyl acetate	-	-	-	-	-	-	-	-	-	< 0.005	< 0.0046	< 0.0042
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	< 0.005	< 0.0046	< 0.0042
Methyl Tert Butyl Ether	-	-	-	-	-	-	-	-	-	< 0.0025	< 0.0023	< 0.0021
Methylene chloride	-	-	-	-	-	-	-	-	-	< 0.0063	**0.0024**	< 0.0053
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	< 0.0022	< 0.0024	< 0.0024	< 0.0024	< 0.0022	< 0.0022	< 0.0024	< 0.0023	**0.00043**	< 0.0025	< 0.0023	< 0.0021
Styrene	-	-	-	-	-	-	-	-	-	< 0.0025	< 0.0023	< 0.0021
tert-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
Toluene	< 0.0017	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.0017	**0.00024**	< 0.0019	< 0.0017	< 0.0016
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	< 0.0019	< 0.0017	< 0.0016
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
Trichloroethene	-	-	-	-	-	-	-	-	-	< 0.0012	< 0.0012	< 0.001
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	< 0.0063	< 0.0058	< 0.0053
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	< 0.025	< 0.023	< 0.021
Vinyl acetate	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	-	-	-	-	-	-	-	-	-	< 0.0025	< 0.0023	< 0.0021
Xylene (total)	< 0.0022	< 0.0024	< 0.0024	< 0.0024	< 0.0022	< 0.0022	< 0.0024	< 0.0023	**0.00073**	< 0.0025	< 0.0023	< 0.0021

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-152	DP-152	DP-152	DP-153	DP-153	DP-153	DP-154	DP-154	DP-154	DP-155	DP-155	DP-155
Sample Date	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016
Sample Name	DP-152-SO-010-01	DP-152-SO-050-01	DP-152-SO-100-01	DP-153-SO-010-01	DP-153-SO-050-01	DP-153-SO-100-01	DP-154-SO-010-01	DP-154-SO-050-01	DP-154-SO-100-01	DP-155-SO-010-01	DP-155-SO-050-01	DP-155-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	< 0.0013	< 0.003	< 0.0066	< 0.0011	< 0.0012	< 0.0012
1,1,2,2-Tetrachloroethane	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	< 0.0013	< 0.003	< 0.0066	< 0.0011	< 0.0012	< 0.0012
1,1,2-Trichloroethane	< 0.0016	< 0.0015	< 0.0016	< 0.0017	< 0.0018	< 0.0023	< 0.0019	< 0.0045	< 0.0099	< 0.0017	< 0.0018	< 0.0017
1,1-Dichloroethane	< 0.0016	< 0.0015	< 0.0016	< 0.0017	< 0.0018	< 0.0023	< 0.0019	< 0.0045	< 0.0099	< 0.0017	< 0.0018	< 0.0017
1,1-Dichloroethene	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	< 0.0013	< 0.003	< 0.0066	< 0.0011	< 0.0012	< 0.0012
1,1-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	< 0.0053	< 0.0051	< 0.0055	< 0.0057	< 0.006	< 0.0078	< 0.0063	< 0.015	< 0.033	< 0.0057	< 0.0059	< 0.0058
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	< 0.0053	< 0.0051	< 0.0055	< 0.0057	< 0.006	< 0.0078	< 0.0063	< 0.015	< 0.033	< 0.0057	< 0.0059	< 0.0058
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	< 0.0053	< 0.0051	< 0.0055	< 0.0057	< 0.006	< 0.0078	< 0.0063	< 0.015	< 0.033	< 0.0057	< 0.0059	< 0.0058
1,2-Dibromoethane (Ethylene Dibromide)	< 0.0042	< 0.0041	< 0.0044	< 0.0046	< 0.0048	< 0.0062	< 0.005	< 0.012	< 0.026	< 0.0045	< 0.0047	< 0.0046
1,2-Dichlorobenzene	< 0.0053	< 0.0051	< 0.0055	< 0.0057	< 0.006	< 0.0078	< 0.0063	< 0.015	< 0.033	< 0.0057	**0.0006**	< 0.0058
1,2-Dichloroethane	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	< 0.0013	< 0.003	< 0.0066	< 0.0011	< 0.0012	< 0.0012
1,2-Dichloroethene (total)	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	**0.00025**	**0.0026**	< 0.0066	< 0.0011	**0.0023**	< 0.0012
1,2-Dichloropropane	< 0.0037	< 0.0036	< 0.0039	< 0.004	< 0.0042	< 0.0054	< 0.0044	< 0.01	< 0.023	< 0.004	< 0.0041	< 0.0041
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	< 0.0053	< 0.0051	< 0.0055	< 0.0057	< 0.006	< 0.0078	< 0.0063	< 0.015	< 0.033	< 0.0057	< 0.0059	< 0.0058
1,3-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	< 0.0013	< 0.003	< 0.0066	< 0.0011	< 0.0012	< 0.0012
1,4-Dichlorobenzene	< 0.0053	< 0.0051	< 0.0055	< 0.0057	< 0.006	< 0.0078	< 0.0063	< 0.015	< 0.033	< 0.0057	**0.00061**	< 0.0058
1,4-Dioxane	< 0.11	< 0.1	< 0.11	< 0.11	< 0.12	< 0.16	< 0.13	< 0.3	< 0.66	< 0.11	< 0.12	< 0.12
2,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	< 0.011	< 0.01	< 0.011	< 0.011	**0.0068**	**0.012**	**0.017**	**0.16**	**0.14**	< 0.011	**0.07**	**0.0068**
2-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	< 0.011	< 0.01	< 0.011	< 0.011	< 0.012	< 0.016	< 0.013	< 0.03	< 0.066	< 0.011	< 0.012	< 0.012
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	< 0.011	< 0.01	< 0.011	< 0.011	< 0.012	< 0.016	**0.0074**	**0.018**	< 0.066	< 0.011	**0.042**	< 0.012
Acetone	< 0.038	< 0.037	< 0.04	< 0.041	**0.039**	**0.081**	**0.092**	**0.53**	**0.42**	**0.042**	**0.34**	**0.092**
Benzene	< 0.0011	< 0.001	< 0.0011	< 0.0011	**0.00016**	**0.00021**	**0.0033**	**0.0015**	< 0.0066	**0.00013**	**0.0068**	< 0.0012
Bromobenzene	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	< 0.0013	< 0.003	< 0.0066	< 0.0011	< 0.0012	< 0.0012
Bromoform	< 0.0042	< 0.0041	< 0.0044	< 0.0046	< 0.0048	< 0.0062	< 0.005	< 0.012	< 0.026	< 0.0045	< 0.0047	< 0.0046
Bromomethane (Methyl Bromide)	< 0.0021	< 0.002	< 0.0022	< 0.0023	< 0.0024	< 0.0031	< 0.0025	< 0.006	< 0.013	< 0.0023	< 0.0023	< 0.0023
Carbon disulfide	< 0.011	< 0.01	< 0.011	< 0.011	< 0.012	< 0.016	< 0.013	< 0.03	< 0.066	< 0.011	< 0.012	< 0.012
Carbon tetrachloride	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	< 0.0013	< 0.003	< 0.0066	< 0.0011	< 0.0012	< 0.0012
Chlorobenzene	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	< 0.0013	< 0.003	< 0.0066	< 0.0011	< 0.0012	< 0.0012

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-152	DP-152	DP-152	DP-153	DP-153	DP-153	DP-154	DP-154	DP-154	DP-155	DP-155	DP-155
Sample Date	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016
Sample Name	DP-152-SO-010-01	DP-152-SO-050-01	DP-152-SO-100-01	DP-153-SO-010-01	DP-153-SO-050-01	DP-153-SO-100-01	DP-154-SO-010-01	DP-154-SO-050-01	DP-154-SO-100-01	DP-155-SO-010-01	DP-155-SO-050-01	DP-155-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)
Chlorobromomethane	< 0.0053	< 0.0051	< 0.0055	< 0.0057	< 0.006	< 0.0078	< 0.0063	< 0.015	< 0.033	< 0.0057	< 0.0059	< 0.0058
Chloroethane	< 0.0021	< 0.002	< 0.0022	< 0.0023	< 0.0024	< 0.0031	< 0.0025	< 0.006	< 0.013	< 0.0023	< 0.0023	< 0.0023
Chloroform (Trichloromethane)	< 0.0016	< 0.0015	< 0.0016	< 0.0017	< 0.0018	< 0.0023	< 0.0019	< 0.0045	< 0.0099	< 0.0017	< 0.0018	< 0.0017
Chloromethane (Methyl Chloride)	< 0.0053	< 0.0051	< 0.0055	< 0.0057	< 0.006	< 0.0078	< 0.0063	< 0.015	< 0.033	< 0.0057	**0.00085**	< 0.0058
cis-1,2-Dichloroethene	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	**0.00025**	**0.0018**	< 0.0066	< 0.0011	**0.0023**	< 0.0012
cis-1,3-Dichloropropene	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	< 0.0013	< 0.003	< 0.0066	< 0.0011	< 0.0012	< 0.0012
Cyclohexane	< 0.021	< 0.02	< 0.022	< 0.023	< 0.024	< 0.031	< 0.025	< 0.06	< 0.13	< 0.023	< 0.023	< 0.023
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	< 0.0013	< 0.003	< 0.0066	< 0.0011	< 0.0012	< 0.0012
Dibromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	< 0.011	< 0.01	< 0.011	< 0.011	< 0.012	< 0.016	< 0.013	< 0.03	< 0.066	< 0.011	< 0.012	< 0.012
Diisopropyl ether (DIPE)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	< 0.0011	< 0.001	< 0.0011	< 0.0011	**0.0017**	< 0.0016	**0.0035**	**0.0016**	< 0.0066	< 0.0011	**0.024**	< 0.0012
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	**0.00062**	**0.0035**	**0.0039**	< 0.0011	**0.003**	< 0.0012
m,p-Xylenes	< 0.0021	< 0.002	< 0.0022	< 0.0023	**0.0042**	< 0.0031	**0.0083**	**0.003**	**0.002**	< 0.0023	**0.054**	< 0.0023
Methyl acetate	< 0.0042	< 0.0041	< 0.0044	< 0.0046	< 0.0048	< 0.0062	< 0.005	< 0.012	< 0.026	< 0.0045	< 0.0047	< 0.0046
Methyl cyclohexane	< 0.0042	< 0.0041	< 0.0044	< 0.0046	< 0.0048	< 0.0062	< 0.005	**0.0032**	**0.0092**	< 0.0045	**0.001**	< 0.0046
Methyl Tert Butyl Ether	< 0.0021	< 0.002	**0.00083**	< 0.0023	< 0.0024	< 0.0031	< 0.0025	**0.013**	**0.0046**	< 0.0023	**0.0026**	**0.00078**
Methylene chloride	< 0.0053	< 0.0051	< 0.0055	< 0.0057	< 0.006	< 0.0078	< 0.0063	< 0.015	< 0.033	**0.0012**	**0.0016**	< 0.0058
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	< 0.0021	< 0.002	< 0.0022	< 0.0023	**0.0011**	< 0.0031	**0.0049**	**0.0036**	**0.003**	< 0.0023	**0.036**	< 0.0023
Styrene	< 0.0021	< 0.002	< 0.0022	< 0.0023	**0.00094**	< 0.0031	**0.0039**	< 0.006	< 0.013	< 0.0023	**0.031**	< 0.0023
tert-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	< 0.0011	< 0.001	< 0.0011	< 0.0011	**0.00086**	< 0.0016	**0.00031**	< 0.003	< 0.0066	< 0.0011	**0.0012**	< 0.0012
Toluene	< 0.0016	< 0.0015	< 0.0016	< 0.0017	< 0.0018	< 0.0023	**0.0085**	**0.0076**	< 0.0099	< 0.0017	**0.021**	< 0.0017
trans-1,2-Dichloroethene	< 0.0016	< 0.0015	< 0.0016	< 0.0017	< 0.0018	< 0.0023	< 0.0019	**0.00079**	< 0.0099	< 0.0017	< 0.0018	< 0.0017
trans-1,3-Dichloropropene	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	< 0.0013	< 0.003	< 0.0066	< 0.0011	< 0.0012	< 0.0012
Trichloroethene	< 0.0011	< 0.001	< 0.0011	< 0.0011	< 0.0012	< 0.0016	< 0.0013	< 0.003	< 0.0066	< 0.0011	**0.00094**	< 0.0012
Trichlorofluoromethane (CFC-11)	< 0.0053	< 0.0051	< 0.0055	< 0.0057	**0.0011**	< 0.0078	< 0.0063	**0.011**	**0.051**	< 0.0057	< 0.0059	< 0.0058
Trifluorotrichloroethane (Freon 113)	< 0.021	< 0.02	< 0.022	< 0.023	< 0.024	< 0.031	< 0.025	**0.0012**	< 0.13	< 0.023	< 0.023	< 0.023
Vinyl acetate	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	< 0.0021	< 0.002	< 0.0022	< 0.0023	< 0.0024	< 0.0031	< 0.0025	**0.0064**	**0.0019**	< 0.0023	< 0.0023	< 0.0023
Xylene (total)	< 0.0021	< 0.002	< 0.0022	< 0.0023	**0.0053**	< 0.0031	**0.013**	**0.0066**	**0.005**	< 0.0023	**0.09**	< 0.0023

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-156	DP-156	DP-156	DP-156	DP-156	DP-157	DP-157	DP-157	DP-158	DP-158	DP-158	DP-160
Sample Date	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/20/2016	07/20/2016	07/20/2016	07/21/2016
Sample Name	DP-156-SO-010-01	DP-156-SO-050-01	DP-156-SO-100-01	DP-156-SO-050-02	DP-156-SO-100-02	DP-157-SO-010-01	DP-157-SO-050-01	DP-157-SO-100-01	DP-158-SO-010-01	DP-158-SO-050-01	DP-158-SO-100-01	DP-160-SO-010-01
Sample Type	N	N	N	FD	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	< 0.0012	< 0.0013	< 0.0016	< 0.0011	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012
1,1,2,2-Tetrachloroethane	< 0.0012	< 0.0013	< 0.0016	< 0.0011	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012
1,1,2-Trichloroethane	< 0.0019	< 0.002	< 0.0025	< 0.0016	< 0.0018	< 0.0017	< 0.0018	< 0.0018	< 0.0016	< 0.0015	< 0.0018	< 0.0018
1,1-Dichloroethane	< 0.0019	< 0.002	< 0.0025	< 0.0016	< 0.0018	< 0.0017	< 0.0018	< 0.0018	< 0.0016	< 0.0015	< 0.0018	< 0.0018
1,1-Dichloroethene	< 0.0012	< 0.0013	< 0.0016	< 0.0011	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012
1,1-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	< 0.0063	< 0.0067	< 0.0083	< 0.0053	< 0.0058	< 0.0057	< 0.006	< 0.006	< 0.0053	< 0.005	< 0.0059	< 0.0062
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	< 0.0063	< 0.0067	< 0.0083	< 0.0053	< 0.0058	< 0.0057	< 0.006	< 0.006	< 0.0053	< 0.005	< 0.0059	< 0.0062
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	< 0.0063	< 0.0067	< 0.0083	< 0.0053	< 0.0058	< 0.0057	< 0.006	< 0.006	< 0.0053	< 0.005	< 0.0059	< 0.0062
1,2-Dibromoethane (Ethylene Dibromide)	< 0.005	< 0.0053	< 0.0066	< 0.0043	< 0.0047	< 0.0046	< 0.0048	< 0.0048	< 0.0043	< 0.004	< 0.0047	< 0.0049
1,2-Dichlorobenzene	< 0.0063	< 0.0067	< 0.0083	< 0.0053	< 0.0058	< 0.0057	< 0.006	< 0.006	< 0.0053	< 0.005	< 0.0059	< 0.0062
1,2-Dichloroethane	< 0.0012	< 0.0013	< 0.0016	< 0.0011	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012
1,2-Dichloroethene (total)	**0.00083**	< 0.0013	**0.00042**	**0.00052**	**0.0015**	< 0.0011	< 0.0012	< 0.0012	< 0.0011	**0.00043**	< 0.0012	< 0.0012
1,2-Dichloropropane	< 0.0044	< 0.0047	< 0.0058	< 0.0037	< 0.0041	< 0.004	< 0.0042	< 0.0042	< 0.0037	< 0.0035	< 0.0041	< 0.0043
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	< 0.0063	< 0.0067	< 0.0083	< 0.0053	< 0.0058	< 0.0057	< 0.006	< 0.006	< 0.0053	< 0.005	< 0.0059	< 0.0062
1,3-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	< 0.0012	< 0.0013	< 0.0016	< 0.0011	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012
1,4-Dichlorobenzene	< 0.0063	< 0.0067	< 0.0083	< 0.0053	< 0.0058	< 0.0057	< 0.006	< 0.006	< 0.0053	< 0.005	< 0.0059	< 0.0062
1,4-Dioxane	< 0.12	< 0.13	< 0.16	< 0.11	< 0.12	< 0.11	< 0.12	< 0.12	< 0.11	< 0.1	< 0.12	< 0.12
2,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	**0.02**	**0.01**	**0.0058**	**0.031**	**0.0089**	**0.0063**	**0.0063**	**0.0062**	**0.018**	**0.024**	**0.0051**	< 0.012
2-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	< 0.012	< 0.013	< 0.016	< 0.011	< 0.012	< 0.011	< 0.012	< 0.012	**0.0015**	**0.0015**	< 0.012	< 0.012
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	< 0.012	< 0.013	< 0.016	< 0.011	< 0.012	< 0.011	< 0.012	**0.0053**	**0.011**	**0.0051**	< 0.012	< 0.012
Acetone	**0.12**	**0.082**	**0.046**	**0.2**	**0.066**	**0.063**	**0.067**	**0.071**	**0.1**	**0.17**	**0.038**	**0.0057**
Benzene	**0.00021**	< 0.0013	< 0.0016	**0.00037**	**0.00046**	< 0.0011	< 0.0012	< 0.0012	**0.00015**	< 0.001	< 0.0012	< 0.0012
Bromobenzene	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	< 0.0012	< 0.0013	< 0.0016	< 0.0011	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012
Bromoform	< 0.005	< 0.0053	< 0.0066	< 0.0043	< 0.0047	< 0.0046	< 0.0048	< 0.0048	< 0.0043	< 0.004	< 0.0047	< 0.0049
Bromomethane (Methyl Bromide)	< 0.0025	< 0.0027	< 0.0033	< 0.0021	< 0.0023	< 0.0023	< 0.0024	< 0.0024	< 0.0021	< 0.002	< 0.0024	< 0.0025
Carbon disulfide	< 0.012	< 0.013	< 0.016	< 0.011	< 0.012	< 0.011	< 0.012	< 0.012	< 0.011	< 0.01	< 0.012	< 0.012
Carbon tetrachloride	< 0.0012	< 0.0013	< 0.0016	< 0.0011	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012
Chlorobenzene	< 0.0012	< 0.0013	< 0.0016	< 0.0011	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-156	DP-156	DP-156	DP-156	DP-156	DP-157	DP-157	DP-157	DP-158	DP-158	DP-158	DP-160
Sample Date	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/20/2016	07/20/2016	07/20/2016	07/21/2016
Sample Name	DP-156-SO-010-01	DP-156-SO-050-01	DP-156-SO-100-01	DP-156-SO-050-02	DP-156-SO-100-02	DP-157-SO-010-01	DP-157-SO-050-01	DP-157-SO-100-01	DP-158-SO-010-01	DP-158-SO-050-01	DP-158-SO-100-01	DP-160-SO-010-01
Sample Type	N	N	N	FD	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)
Chlorobromomethane	< 0.0063	< 0.0067	< 0.0083	< 0.0053	< 0.0058	< 0.0057	< 0.006	< 0.006	< 0.0053	< 0.005	< 0.0059	< 0.0062
Chloroethane	< 0.0025	< 0.0027	< 0.0033	< 0.0021	< 0.0023	< 0.0023	< 0.0024	< 0.0024	< 0.0021	< 0.002	< 0.0024	< 0.0025
Chloroform (Trichloromethane)	< 0.0019	< 0.002	< 0.0025	< 0.0016	< 0.0018	< 0.0017	< 0.0018	< 0.0018	< 0.0016	< 0.0015	< 0.0018	< 0.0018
Chloromethane (Methyl Chloride)	< 0.0063	< 0.0067	< 0.0083	< 0.0053	< 0.0058	< 0.0057	< 0.006	< 0.006	< 0.0053	< 0.005	< 0.0059	< 0.0062
cis-1,2-Dichloroethene	**0.00083**	< 0.0013	**0.00042**	**0.00052**	**0.0015**	< 0.0011	< 0.0012	< 0.0012	< 0.0011	**0.00043**	< 0.0012	< 0.0012
cis-1,3-Dichloropropene	< 0.0012	< 0.0013	< 0.0016	< 0.0011	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012
Cyclohexane	< 0.025	< 0.027	< 0.033	< 0.021	< 0.023	< 0.023	< 0.024	< 0.024	< 0.021	< 0.02	< 0.024	< 0.025
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	< 0.0012	< 0.0013	< 0.0016	< 0.0011	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012
Dibromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	< 0.012	< 0.013	< 0.016	< 0.011	< 0.012	< 0.011	< 0.012	< 0.012	< 0.011	< 0.01	< 0.012	< 0.012
Diisopropyl ether (DIPE)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	**0.0011**	< 0.0013	< 0.0016	< 0.0011	< 0.0012	**0.00046**	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	**0.0002**	< 0.0013	< 0.0016	< 0.0011	< 0.0012	< 0.0011	< 0.0012	**0.00025**	< 0.0011	< 0.001	< 0.0012	< 0.0012
m,p-Xylenes	**0.001**	< 0.0027	< 0.0033	< 0.0021	< 0.0023	**0.00073**	< 0.0024	< 0.0024	< 0.0021	**0.00021**	< 0.0024	< 0.0025
Methyl acetate	< 0.005	< 0.0053	< 0.0066	< 0.0043	< 0.0047	< 0.0046	< 0.0048	< 0.0048	< 0.0043	< 0.004	< 0.0047	< 0.0049
Methyl cyclohexane	< 0.005	< 0.0053	< 0.0066	< 0.0043	< 0.0047	< 0.0046	< 0.0048	< 0.0048	< 0.0043	< 0.004	< 0.0047	< 0.0049
Methyl Tert Butyl Ether	< 0.0025	**0.00086**	**0.0093**	**0.00042**	**0.0069**	< 0.0023	**0.00057**	**0.00027**	< 0.0021	< 0.002	< 0.0024	< 0.0025
Methylene chloride	< 0.0063	< 0.0067	< 0.0083	**0.0041**	**0.0014**	< 0.0057	< 0.006	< 0.006	**0.0015**	< 0.005	< 0.0059	< 0.0062
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	**0.0011**	< 0.0027	< 0.0033	< 0.0021	< 0.0023	**0.00046**	< 0.0024	< 0.0024	< 0.0021	**0.00021**	< 0.0024	< 0.0025
Styrene	< 0.0025	< 0.0027	< 0.0033	< 0.0021	< 0.0023	**0.00084**	< 0.0024	< 0.0024	< 0.0021	< 0.002	< 0.0024	< 0.0025
tert-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	< 0.0012	< 0.0013	< 0.0016	**0.00074**	**0.00094**	< 0.0011	< 0.0012	< 0.0012	**0.0026**	**0.00042**	< 0.0012	< 0.0012
Toluene	**0.001**	< 0.002	< 0.0025	**0.00022**	< 0.0018	**0.0003**	< 0.0018	< 0.0018	< 0.0016	< 0.0015	< 0.0018	< 0.0018
trans-1,2-Dichloroethene	< 0.0019	< 0.002	< 0.0025	< 0.0016	< 0.0018	< 0.0017	< 0.0018	< 0.0018	< 0.0016	< 0.0015	< 0.0018	< 0.0018
trans-1,3-Dichloropropene	< 0.0012	< 0.0013	< 0.0016	< 0.0011	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012
Trichloroethene	< 0.0012	< 0.0013	**0.00089**	**0.00032**	**0.0031**	< 0.0011	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012	< 0.0012
Trichlorofluoromethane (CFC-11)	< 0.0063	< 0.0067	< 0.0083	< 0.0053	< 0.0058	< 0.0057	< 0.006	< 0.006	< 0.0053	< 0.005	< 0.0059	< 0.0062
Trifluorotrichloroethane (Freon 113)	< 0.025	< 0.027	< 0.033	< 0.021	< 0.023	< 0.023	< 0.024	< 0.024	< 0.021	< 0.02	< 0.024	< 0.025
Vinyl acetate	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	**0.00041**	< 0.0027	< 0.0033	**0.0007**	< 0.0023	< 0.0023	< 0.0024	< 0.0024	< 0.0021	**0.00026**	< 0.0024	< 0.0025
Xylene (total)	**0.0021**	< 0.0027	< 0.0033	< 0.0021	< 0.0023	**0.0012**	< 0.0024	< 0.0024	< 0.0021	**0.00042**	< 0.0024	< 0.0025

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-160	DP-160	DP-161	DP-161	DP-161	DP-162	DP-162	DP-162	DP-163	DP-163	DP-163	DP-163
Sample Date	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016
Sample Name	DP-160-SO-050-01	DP-160-SO-100-01	DP-161-SO-010-01	DP-161-SO-050-01	DP-161-SO-100-01	DP-162-SO-010-01	DP-162-SO-050-01	DP-162-SO-100-01	DP-163-SO-010-01	DP-163-SO-050-01	DP-163-SO-100-01	DP-163-SO-010-02
Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
1,1,2,2-Tetrachloroethane	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
1,1,2-Trichloroethane	< 0.0019	< 0.0018	< 0.0019	< 0.0017	< 0.0042	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0022	< 0.0015
1,1-Dichloroethane	< 0.0019	< 0.0018	< 0.0019	< 0.0017	< 0.0042	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0022	< 0.0015
1,1-Dichloroethene	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
1,1-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	< 0.0063	< 0.0062	< 0.0064	< 0.0057	< 0.014	< 0.0061	< 0.006	< 0.0061	< 0.0058	< 0.0059	< 0.0074	< 0.0051
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	< 0.0063	< 0.0062	< 0.0064	< 0.0057	**0.0039**	< 0.0061	< 0.006	< 0.0061	< 0.0058	< 0.0059	< 0.0074	< 0.0051
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	< 0.0063	< 0.0062	< 0.0064	< 0.0057	< 0.014	< 0.0061	< 0.006	< 0.0061	< 0.0058	< 0.0059	< 0.0074	< 0.0051
1,2-Dibromoethane (Ethylene Dibromide)	< 0.005	< 0.0049	< 0.0051	< 0.0045	< 0.011	< 0.0049	< 0.0048	< 0.0049	< 0.0046	< 0.0047	< 0.0059	< 0.004
1,2-Dichlorobenzene	< 0.0063	< 0.0062	< 0.0064	< 0.0057	< 0.014	< 0.0061	< 0.006	< 0.0061	< 0.0058	< 0.0059	< 0.0074	< 0.0051
1,2-Dichloroethane	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
1,2-Dichloroethene (total)	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
1,2-Dichloropropane	< 0.0044	< 0.0043	< 0.0044	< 0.004	< 0.0098	< 0.0043	< 0.0042	< 0.0043	< 0.0041	< 0.0041	< 0.0052	< 0.0035
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	< 0.0063	< 0.0062	< 0.0064	< 0.0057	< 0.014	< 0.0061	< 0.006	< 0.0061	< 0.0058	< 0.0059	< 0.0074	< 0.0051
1,3-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
1,4-Dichlorobenzene	< 0.0063	< 0.0062	< 0.0064	< 0.0057	< 0.014	< 0.0061	< 0.006	< 0.0061	< 0.0058	< 0.0059	< 0.0074	< 0.0051
1,4-Dioxane	< 0.12	< 0.12	< 0.13	< 0.11	< 0.28	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.15	< 0.1
2,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	< 0.012	**0.016**	< 0.013	< 0.011	**0.033**	< 0.012	< 0.012	**0.011**	< 0.012	< 0.012	< 0.015	< 0.01
2-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	< 0.012	< 0.012	< 0.013	< 0.011	< 0.028	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.015	< 0.01
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	< 0.012	< 0.012	< 0.013	< 0.011	< 0.028	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.015	< 0.01
Acetone	< 0.045	**0.2**	< 0.046	**0.0051**	**0.13**	**0.091**	< 0.043	**0.065**	**0.003**	< 0.042	< 0.053	< 0.036
Benzene	< 0.0012	**0.00014**	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	**0.00029**
Bromobenzene	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
Bromoform	< 0.005	< 0.0049	< 0.0051	< 0.0045	< 0.011	< 0.0049	< 0.0048	< 0.0049	< 0.0046	< 0.0047	< 0.0059	< 0.004
Bromomethane (Methyl Bromide)	< 0.0025	< 0.0025	< 0.0025	< 0.0023	< 0.0056	< 0.0024	< 0.0024	< 0.0024	< 0.0023	< 0.0023	< 0.003	< 0.002
Carbon disulfide	< 0.012	< 0.012	< 0.013	< 0.011	< 0.028	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.015	< 0.01
Carbon tetrachloride	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
Chlorobenzene	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-160	DP-160	DP-161	DP-161	DP-161	DP-162	DP-162	DP-162	DP-163	DP-163	DP-163	DP-163
Sample Date	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016
Sample Name	DP-160-SO-050-01	DP-160-SO-100-01	DP-161-SO-010-01	DP-161-SO-050-01	DP-161-SO-100-01	DP-162-SO-010-01	DP-162-SO-050-01	DP-162-SO-100-01	DP-163-SO-010-01	DP-163-SO-050-01	DP-163-SO-100-01	DP-163-SO-010-02
Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)
Chlorobromomethane	< 0.0063	< 0.0062	< 0.0064	< 0.0057	< 0.014	< 0.0061	< 0.006	< 0.0061	< 0.0058	< 0.0059	< 0.0074	< 0.0051
Chloroethane	< 0.0025	< 0.0025	< 0.0025	< 0.0023	< 0.0056	< 0.0024	< 0.0024	< 0.0024	< 0.0023	< 0.0023	< 0.003	< 0.002
Chloroform (Trichloromethane)	< 0.0019	< 0.0018	< 0.0019	< 0.0017	< 0.0042	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0022	< 0.0015
Chloromethane (Methyl Chloride)	< 0.0063	< 0.0062	< 0.0064	< 0.0057	< 0.014	< 0.0061	< 0.006	< 0.0061	< 0.0058	< 0.0059	< 0.0074	< 0.0051
cis-1,2-Dichloroethene	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
cis-1,3-Dichloropropene	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
Cyclohexane	< 0.025	< 0.025	< 0.025	< 0.023	< 0.056	< 0.024	< 0.024	< 0.024	< 0.023	< 0.023	< 0.03	< 0.02
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
Dibromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	< 0.012	< 0.012	< 0.013	< 0.011	< 0.028	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.015	< 0.01
Diisopropyl ether (DIPE)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
m,p-Xylenes	< 0.0025	< 0.0025	< 0.0025	< 0.0023	< 0.0056	< 0.0024	< 0.0024	< 0.0024	< 0.0023	< 0.0023	< 0.003	< 0.002
Methyl acetate	< 0.005	< 0.0049	< 0.0051	< 0.0045	< 0.011	< 0.0049	< 0.0048	< 0.0049	< 0.0046	< 0.0047	< 0.0059	< 0.004
Methyl cyclohexane	< 0.005	< 0.0049	< 0.0051	< 0.0045	< 0.011	< 0.0049	< 0.0048	< 0.0049	< 0.0046	< 0.0047	< 0.0059	< 0.004
Methyl Tert Butyl Ether	< 0.0025	< 0.0025	< 0.0025	< 0.0023	< 0.0056	< 0.0024	< 0.0024	< 0.0024	< 0.0023	< 0.0023	< 0.003	< 0.002
Methylene chloride	< 0.0063	< 0.0062	< 0.0064	**0.0012**	**0.0042**	< 0.0061	< 0.006	< 0.0061	< 0.0058	< 0.0059	< 0.0074	< 0.0051
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	< 0.0025	< 0.0025	< 0.0025	< 0.0023	< 0.0056	< 0.0024	< 0.0024	< 0.0024	< 0.0023	< 0.0023	< 0.003	< 0.002
Styrene	< 0.0025	< 0.0025	< 0.0025	< 0.0023	< 0.0056	< 0.0024	< 0.0024	< 0.0024	< 0.0023	< 0.0023	< 0.003	< 0.002
tert-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	**0.0014**	< 0.001
Toluene	< 0.0019	< 0.0018	< 0.0019	< 0.0017	< 0.0042	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0022	< 0.0015
trans-1,2-Dichloroethene	< 0.0019	< 0.0018	< 0.0019	< 0.0017	< 0.0042	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0022	< 0.0015
trans-1,3-Dichloropropene	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0015	< 0.001
Trichloroethene	< 0.0012	< 0.0012	< 0.0013	< 0.0011	< 0.0028	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	**0.00071**	< 0.001
Trichlorofluoromethane (CFC-11)	< 0.0063	< 0.0062	< 0.0064	< 0.0057	< 0.014	< 0.0061	< 0.006	< 0.0061	< 0.0058	< 0.0059	< 0.0074	< 0.0051
Trifluorotrichloroethane (Freon 113)	< 0.025	< 0.025	< 0.025	< 0.023	< 0.056	< 0.024	< 0.024	< 0.024	< 0.023	< 0.023	< 0.03	< 0.02
Vinyl acetate	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	< 0.0025	**0.00025**	< 0.0025	< 0.0023	< 0.0056	< 0.0024	< 0.0024	< 0.0024	< 0.0023	< 0.0023	< 0.003	< 0.002
Xylene (total)	< 0.0025	< 0.0025	< 0.0025	< 0.0023	< 0.0056	< 0.0024	< 0.0024	< 0.0024	< 0.0023	< 0.0023	< 0.003	< 0.002

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-163	GSS-603-800-3	GSS-603-800-3	GSS-607-13-3	GTW-605-7-1	GTW-605-7-2	GTW-605-802-6	GTW-605-802-7	GTW-605-802-9	GTW-607-13-1	GTW-607-13-2	GTW-661-24-1	GTW-661-804-2
Sample Date	07/21/2016	04/10/2015	04/10/2015	12/05/2013	09/19/2014	09/19/2014	04/09/2015	04/10/2015	04/09/2015	12/05/2013	12/05/2013	06/27/2014	06/26/2014
Sample Name	DP-163-SO-050-02	GSS-603-800-3-1	GSS-603-800-3-2	GSS607-13-3-1	GTW-605-7-1-1,2,3	GTW-605-7-2-1,2,3,4	GTW-605-802-6-1	GTW-605-802-7-1	GTW-605-802-9-1	GTW607-13-1-3	GTW607-13-2-2	GTW661-24-1-3	GTW661-804-2-3
Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	3.5 - 5 (ft)	8.5 - 10 (ft)	0 - 2 (ft)	1 (ft)	2 (ft)	3 - 5 (ft)	5 - 8 (ft)	3 - 5 (ft)	1 (ft)	5 - 2 (ft)	1 (ft)	2 (ft)
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,1,1-Trichloroethane	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,1,2,2-Tetrachloroethane	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,1,2-Trichloroethane	< 0.0017	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,1-Dichloroethane	< 0.0017	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,1-Dichloroethene	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,1-Dichloropropene	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,2,3-Trichlorobenzene	< 0.0057	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,2,3-Trichloropropane	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,2,4-Trichlorobenzene	< 0.0057	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,2,4-Trimethylbenzene	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	**1.98**	< 0.0043	< 0.0061	-	-
1,2-Dibromo-3-chloropropane (DBCP)	< 0.0057	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,2-Dibromoethane (Ethylene Dibromide)	< 0.0045	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,2-Dichlorobenzene	< 0.0057	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,2-Dichloroethane	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,2-Dichloroethene (total)	< 0.0011	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	< 0.004	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,3,5-Trimethylbenzene	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	**0.847**	< 0.0043	< 0.0061	-	-
1,3-Dichlorobenzene	< 0.0057	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,3-Dichloropropane	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,3-Dichloropropene	< 0.0011	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	< 0.0057	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
1,4-Dioxane	< 0.11	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
2-Butanone (Methyl Ethyl Ketone)	< 0.011	< 0.313	< 0.0972	-	-	< 0.0853	< 0.148	< 0.193	< 2.83	< 0.086	< 0.123	-	-
2-Chlorotoluene	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
2-Hexanone	< 0.011	< 0.157	< 0.0486	-	-	< 0.0426	< 0.0739	< 0.0963	< 1.41	< 0.043	< 0.0613	-	-
2-Phenylbutane (sec-Butylbenzene)	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
4-Chlorotoluene	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	< 0.011	< 0.157	< 0.0486	-	-	< 0.0426	< 0.0739	< 0.0963	< 1.41	< 0.043	< 0.0613	-	-
Acetone	< 0.041	< 0.313	< 0.0972	-	-	< 0.0853	< 0.148	< 0.193	< 2.83	< 0.086	< 0.123	-	-
Benzene	**0.00035**	< 0.0157	< 0.0049	< 0.0046	< 0.0043	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	< 0.0041	< 1.03
Bromobenzene	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Bromodichloromethane	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Bromoform	< 0.0045	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Bromomethane (Methyl Bromide)	< 0.0023	< 0.0313	< 0.0097	-	-	< 0.0085	< 0.0148	< 0.0193	< 0.283	< 0.0086	< 0.0123	-	-
Carbon disulfide	< 0.011	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Chlorobenzene	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-163	GSS-603-800-3	GSS-603-800-3	GSS-607-13-3	GTW-605-7-1	GTW-605-7-2	GTW-605-802-6	GTW-605-802-7	GTW-605-802-9	GTW-607-13-1	GTW-607-13-2	GTW-661-24-1	GTW-661-804-2
Sample Date	07/21/2016	04/10/2015	04/10/2015	12/05/2013	09/19/2014	09/19/2014	04/09/2015	04/10/2015	04/09/2015	12/05/2013	12/05/2013	06/27/2014	06/26/2014
Sample Name	DP-163-SO-050-02	GSS-603-800-3-1	GSS-603-800-3-2	GSS607-13-3-1	GTW-605-7-1-1,2,3	GTW-605-7-2-1,2,3,4	GTW-605-802-6-1	GTW-605-802-7-1	GTW-605-802-9-1	GTW607-13-1-3	GTW607-13-2-2	GTW661-24-1-3	GTW661-804-2-3
Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	3.5 - 5 (ft)	8.5 - 10 (ft)	0 - 2 (ft)	1 (ft)	2 (ft)	3 - 5 (ft)	5 - 8 (ft)	3 - 5 (ft)	1 (ft)	5 - 2 (ft)	1 (ft)	2 (ft)
Chlorobromomethane	< 0.0057	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Chloroethane	< 0.0023	< 0.0313	< 0.0097	-	-	< 0.0085	< 0.0148	< 0.0193	< 0.283	< 0.0086	< 0.0123	-	-
Chloroform (Trichloromethane)	< 0.0017	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Chloromethane (Methyl Chloride)	< 0.0057	< 0.0313	< 0.0097	-	-	< 0.0085	< 0.0148	< 0.0193	< 0.283	< 0.0086	< 0.0123	-	-
cis-1,2-Dichloroethene	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
cis-1,3-Dichloropropene	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Cyclohexane	< 0.023	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	**0.27**	< 0.0043	< 0.0061	-	-
Dibromochloromethane	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Dibromomethane	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Dichlorodifluoromethane (CFC-12)	< 0.011	< 0.0313	< 0.0097	-	-	< 0.0085	< 0.0148	< 0.0193	< 0.283	< 0.0086	< 0.0123	-	-
Diisopropyl ether (DIPE)	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Ethylbenzene	< 0.0011	< 0.0157	< 0.0049	< 0.0046	< 0.0043	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	< 0.0041	< 1.03
Hexachlorobutadiene	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Isopropylbenzene (Cumene)	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
m,p-Xylenes	< 0.0023	< 0.0313	< 0.0097	< 0.0092	< 0.0086	< 0.0085	< 0.0148	< 0.0193	**0.328**	< 0.0086	< 0.0123	< 0.0082	< 2.07
Methyl acetate	< 0.0045	-	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	< 0.0045	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	< 0.0023	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Methylene chloride	< 0.0057	< 0.0627	< 0.0194	-	-	< 0.0171	< 0.0296	< 0.0385	< 0.565	< 0.0172	< 0.0245	-	-
n-Butylbenzene	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	**0.169**	< 0.0043	< 0.0061	-	-
n-Propylbenzene	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
o-Xylene	< 0.0023	< 0.0157	< 0.0049	< 0.0046	< 0.0043	< 0.0043	< 0.0074	< 0.0096	**0.329**	< 0.0043	< 0.0061	< 0.0041	< 1.03
Styrene	< 0.0023	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
tert-Butylbenzene	-	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Tetrachloroethene	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Toluene	< 0.0017	< 0.0157	< 0.0049	< 0.0046	< 0.0043	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	< 0.0041	< 1.03
trans-1,2-Dichloroethene	< 0.0017	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
trans-1,3-Dichloropropene	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Trichloroethene	< 0.0011	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Trichlorofluoromethane (CFC-11)	< 0.0057	< 0.0157	< 0.0049	-	-	< 0.0043	< 0.0074	< 0.0096	< 0.141	< 0.0043	< 0.0061	-	-
Trifluorotrichloroethane (Freon 113)	< 0.023	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	-	< 0.157	< 0.0486	-	-	< 0.0426	< 0.0739	< 0.0963	< 1.41	< 0.043	< 0.0613	-	-
Vinyl chloride	< 0.0023	< 0.0313	< 0.0097	-	-	< 0.0085	< 0.0148	< 0.0193	< 0.283	< 0.0086	< 0.0123	-	-
Xylene (total)	< 0.0023	< 0.0313	< 0.0097	< 0.0092	< 0.0086	< 0.0085	< 0.0148	< 0.0193	**0.657**	< 0.0086	< 0.0123	< 0.0082	< 2.07

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-661-804-3	GTW-661-805-1	GTW-661-805-COMP-1	WSP_SB-1	WSP_SB-2	WSP_SB-3	WSP_SB-4
Sample Date	06/26/2014	06/26/2014	06/27/2014	01/17/2011	01/17/2011	01/17/2011	01/17/2011
Sample Name	GTW661-804-3-3	GTW661-805-1-2	GTW661-805-COMP-1-2	WSP_SB-1_011711_7-9	WSP_SB-2_011711_7-9	WSP_SB-3_011711_8-10	WSP_SB-4_011711_7-9
Sample Type	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	1 (ft)	1 (ft)	7 - 9 (ft)	7 - 9 (ft)	8 - 10 (ft)	7 - 9 (ft)
Volatile Organic Compounds (mg/kg)							
1,1,1,2-Tetrachloroethane	-	-	-	**0.0068**	**0.0068**	**0.0066**	**0.0036**
1,1,1-Trichloroethane	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-
1,1-Dichloropropene	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-
1,3-Dichloropropane	-	-	-	-	-	-	-
1,3-Dichloropropene	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-
1,4-Dioxane	-	-	-	-	-	-	-
2,2-Dichloropropane	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-
2-Chlorotoluene	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-
4-Chlorotoluene	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-
Benzene	< 2.22	< 0.0042	< 0.0043	-	-	-	-
Bromobenzene	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-
Bromomethane (Methyl Bromide)	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-
Carbon tetrachloride	-	-	-	-	-	-	-
Chlorobenzene	-	-	-	-	-	-	-

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – VOCS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-661-804-3	GTW-661-805-1	GTW-661-805-COMP-1	WSP_SB-1	WSP_SB-2	WSP_SB-3	WSP_SB-4
Sample Date	06/26/2014	06/26/2014	06/27/2014	01/17/2011	01/17/2011	01/17/2011	01/17/2011
Sample Name	GTW661-804-3-3	GTW661-805-1-2	GTW661-805-COMP-1-2	WSP_SB-1_011711_7-9	WSP_SB-2_011711_7-9	WSP_SB-3_011711_8-10	WSP_SB-4_011711_7-9
Sample Type	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	1 (ft)	1 (ft)	7 - 9 (ft)	7 - 9 (ft)	8 - 10 (ft)	7 - 9 (ft)
Chlorobromomethane	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-
Dibromomethane	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-
Diisopropyl ether (DIPE)	-	-	-	-	-	-	-
Ethylbenzene	< 2.22	< 0.0042	< 0.0043	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-
Isopropylbenzene (Cumene)	-	-	-	-	-	-	-
m,p-Xylenes	< 4.43	< 0.0085	< 0.0085	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	-	-	-	**0.0014**	**0.00094**	**0.0013**	**0.0014**
Methylene chloride	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-
o-Xylene	< 2.22	< 0.0042	< 0.0043	-	-	-	-
Styrene	-	-	-	-	-	-	-
tert-Butylbenzene	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-
Toluene	< 2.22	< 0.0042	< 0.0043	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-
Vinyl acetate	-	-	-	-	-	-	-
Vinyl chloride	-	-	-	-	-	-	-
Xylene (total)	< 4.43	< 0.0085	< 0.0085	**0.0027**	**0.0024**	**0.0026**	**0.0014**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-002-SO-100	DP-003	DP-003	DP-003	DP-004	DP-004	DP-005	DP-005	DP-006	DP-006
Sample Date	04/22/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015
Sample Name	DP-002-SO-100-01	DP-003-SO-010-01	DP-003-SO-050-01	DP-003-SO-100-01	DP-004-SO-010-01	DP-004-SO-050-01	DP-005-SO-010-01	DP-005-SO-100-01	DP-006-SO-010-01	DP-006-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	< 0.388	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	< 0.18	< 0.21	< 0.21	< 0.18	< 0.41	< 0.37	< 0.43	< 0.19	< 0.4
2-Methylnaphthalene	< 0.388	< 0.22	< 0.25	< 0.25	< 0.22	**2.2**	< 0.45	**0.15**	< 0.23	**0.7**
Acenaphthene	**0.125**	**0.043**	**0.14**	< 0.17	< 0.15	**6.8**	< 0.3	**0.13**	**0.087**	**1.9**
Acenaphthylene	**0.104**	< 0.15	< 0.17	**0.04**	< 0.15	**0.12**	< 0.3	**0.094**	**0.037**	**0.15**
Anthracene	**0.463**	**0.13**	**0.48**	**0.13**	< 0.11	**14**	**0.098**	**0.37**	**0.22**	**6.3**
Benzo(a)anthracene	**1.3**	**0.63**	**0.84**	**0.36**	**0.11**	**14**	**0.49**	**0.68**	**0.85**	**14**
Benzo(a)pyrene	**1.24**	**0.59**	**0.68**	**0.3**	**0.1**	**12**	**0.47**	**0.58**	**0.78**	**11**
Benzo(b)fluoranthene	**1.48**	**0.76**	**0.79**	**0.36**	**0.12**	**14**	**0.59**	**0.72**	**0.94**	**14**
Benzo(g,h,i)perylene	**0.833**	**0.37**	**0.4**	**0.17**	**0.064**	**6.2**	**0.28**	**0.35**	**0.49**	**6**
Benzo(k)fluoranthene	**0.6**	**0.3**	**0.33**	**0.15**	**0.047**	**5.1**	**0.26**	**0.23**	**0.38**	**5.4**
Chrysene	**1.15**	**0.65**	**0.76**	**0.26**	**0.1**	**13**	**0.48**	**0.73**	**0.8**	**14**
Dibenz(a,h)anthracene	< 0.388	**0.11**	**0.12**	**0.045**	< 0.11	**1.6**	**0.091**	< 0.26	**0.14**	**1.6**
Fluoranthene	**3.01**	**1.2**	**1.7**	**0.91**	**0.2**	**33**	**0.85**	**1.6**	**1.7**	**32**
Fluorene	**0.127**	< 0.18	**0.17**	< 0.21	< 0.18	**6.5**	< 0.37	**0.18**	**0.067**	**2**
Indeno(1,2,3-cd)pyrene	**0.718**	**0.43**	**0.45**	**0.21**	**0.074**	**7.5**	**0.34**	**0.33**	**0.56**	**6.8**
Naphthalene	**0.118**	< 0.18	< 0.21	< 0.21	< 0.18	**4.9**	< 0.37	**0.25**	< 0.19	**1.4**
Phenanthrene	**1.78**	**0.45**	**1.6**	**0.46**	**0.085**	**35**	**0.3**	**1.4**	**0.9**	**24**
Pyrene	**2.01**	**1**	**1.5**	**0.76**	**0.18**	**28**	**0.77**	**1.3**	**1.5**	**27**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-006	DP-007	DP-007	DP-007	DP-008	DP-008	DP-008	DP-009	DP-009	DP-009
Sample Date	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015
Sample Name	DP-006-SO-100-01	DP-007-SO-010-01	DP-007-SO-050-01	DP-007-SO-100-01	DP-008-SO-010-01	DP-008-SO-050-01	DP-008-SO-100-01	DP-009-SO-010-01	DP-009-SO-010-02	DP-009-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 3.7	< 0.18	< 0.24	< 0.4	< 0.18	< 0.44	< 0.2	< 0.2	< 0.19	< 0.21
2-Methylnaphthalene	< 4.5	< 0.21	< 0.29	**0.83**	< 0.22	**6.9**	**0.43**	< 0.24	**0.068**	**0.095**
Acenaphthene	< 3	< 0.14	**0.1**	**5**	**0.044**	**7.9**	**2.7**	**0.07**	**0.91**	< 0.17
Acenaphthylene	< 3	< 0.14	**0.1**	**0.16**	< 0.15	**0.97**	< 0.16	< 0.16	< 0.15	< 0.17
Anthracene	**2.5**	< 0.11	**0.57**	**15**	**0.12**	**23**	**9.9**	**0.24**	**2**	< 0.13
Benzo(a)anthracene	**3.4**	< 0.11	**3.1**	**19**	**0.32**	**42**	**18**	**0.88**	**4.8**	**0.063**
Benzo(a)pyrene	**2.9**	< 0.14	**2.4**	**16**	**0.26**	**31**	**17**	**0.82**	**4.2**	**0.061**
Benzo(b)fluoranthene	**3.2**	< 0.11	**3**	**18**	**0.33**	**36**	**20**	**1**	**5.6**	**0.084**
Benzo(g,h,i)perylene	**1.8**	< 0.14	**1.2**	**7.5**	**0.15**	**13**	**6.9**	**0.51**	**2.6**	**0.079**
Benzo(k)fluoranthene	**1.3**	< 0.11	**1.1**	**5.9**	**0.13**	**13**	**5.2**	**0.44**	**2.2**	< 0.13
Chrysene	**3.1**	< 0.11	**3.3**	**17**	**0.31**	**36**	**18**	**0.91**	**4.9**	**0.099**
Dibenz(a,h)anthracene	< 2.2	< 0.11	**0.39**	**2.3**	**0.051**	**4.8**	**1.9**	**0.14**	**0.72**	< 0.13
Fluoranthene	**8.4**	**0.045**	**5.1**	**48**	**0.64**	**79**	**39**	**1.8**	**9.7**	**0.073**
Fluorene	< 3.7	< 0.18	**0.14**	**6.4**	< 0.18	**9.6**	**3**	**0.059**	**0.59**	< 0.21
Indeno(1,2,3-cd)pyrene	**2**	< 0.14	**1.4**	**9.3**	**0.17**	**16**	**10**	**0.57**	**2.9**	**0.056**
Naphthalene	< 3.7	< 0.18	**0.15**	**0.7**	< 0.18	**8.3**	**0.45**	< 0.2	**0.084**	**0.2**
Phenanthrene	**7.8**	< 0.11	**2.1**	**42**	**0.41**	**64**	**31**	**0.88**	**7.2**	**0.12**
Pyrene	**6.9**	**0.042**	**5.2**	**38**	**0.55**	**71**	**33**	**1.5**	**7.9**	**0.077**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-009	DP-010	DP-010	DP-010	DP-010	DP-011	DP-011	DP-011	DP-012	DP-012
Sample Date	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015
Sample Name	DP-009-SO-100-01	DP-010-SO-010-01	DP-010-SO-050-01	DP-010-SO-050-02	DP-010-SO-100-01	DP-011-SO-010-01	DP-011-SO-050-01	DP-011-SO-100-01	DP-012-SO-010-01	DP-012-SO-100-01
Sample Type	N	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.2	< 0.19	< 0.82	< 0.8	< 0.22	< 0.18	< 0.21	< 0.21	< 0.2	< 0.2
2-Methylnaphthalene	< 0.25	< 0.23	**3.9**	**2.5**	**0.48**	< 0.22	< 0.25	< 0.25	< 0.24	< 0.24
Acenaphthene	**0.084**	**0.16**	**12**	**7.4**	**4.1**	< 0.14	**0.21**	**0.16**	**0.2**	< 0.16
Acenaphthylene	**0.053**	**0.084**	< 0.65	< 0.64	< 0.17	< 0.14	**0.1**	< 0.16	**0.13**	< 0.16
Anthracene	**0.16**	**0.56**	**26**	**15**	**14**	< 0.11	**0.87**	**0.22**	**0.54**	< 0.12
Benzo(a)anthracene	**0.47**	**2.3**	**32**	**16**	**24**	< 0.11	**2.9**	**0.27**	**1.6**	< 0.12
Benzo(a)pyrene	**0.5**	**2.2**	**26**	**13**	**20**	< 0.14	**2.6**	**0.24**	**1.5**	< 0.16
Benzo(b)fluoranthene	**0.65**	**2.8**	**32**	**16**	**25**	< 0.11	**3**	**0.3**	**2**	< 0.12
Benzo(g,h,i)perylene	**0.32**	**1.3**	**13**	**6.6**	**7.7**	< 0.14	**1.4**	**0.15**	**0.9**	< 0.16
Benzo(k)fluoranthene	**0.22**	**1**	**12**	**6.2**	**6**	< 0.11	**1.2**	**0.12**	**0.68**	< 0.12
Chrysene	**0.78**	**2.3**	**30**	**15**	**23**	< 0.11	**2.8**	**0.28**	**1.8**	< 0.12
Dibenz(a,h)anthracene	**0.08**	**0.37**	**3.8**	**1.9**	**2.2**	< 0.11	**0.41**	< 0.12	**0.27**	< 0.12
Fluoranthene	**1.6**	**5**	**84**	**45**	**54**	< 0.11	**6**	**0.78**	**3.5**	< 0.12
Fluorene	**0.11**	**0.12**	**12**	**7.4**	**5**	< 0.18	**0.22**	**0.14**	**0.18**	< 0.2
Indeno(1,2,3-cd)pyrene	**0.34**	**1.5**	**15**	**7.8**	**12**	< 0.14	**1.6**	**0.17**	**0.97**	< 0.16
Naphthalene	< 0.2	< 0.19	**4.5**	**3.2**	**0.43**	< 0.18	**0.13**	< 0.21	**0.067**	< 0.2
Phenanthrene	**1.4**	**2**	**88**	**51**	**44**	< 0.11	**3.1**	**0.88**	**2.1**	< 0.12
Pyrene	**1.6**	**4.5**	**72**	**39**	**44**	< 0.11	**5.6**	**0.63**	**3.2**	< 0.12

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-013	DP-013	DP-013	DP-014	DP-014	DP-015	DP-015	DP-016	DP-016	DP-016
Sample Date	07/06/2015	07/06/2015	07/06/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015
Sample Name	DP-013-SO-010-01	DP-013-SO-100-01	DP-013-SO-100-02	DP-014-SO-010-01	DP-014-SO-100-01	DP-015-SO-010-01	DP-015-SO-100-01	DP-016-SO-010-01	DP-016-SO-050-01	DP-016-SO-100-01
Sample Type	N	N	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.18	< 0.21	< 0.42	< 0.18	< 1	< 0.17	< 0.19	< 0.37	< 0.25	< 0.2
2-Methylnaphthalene	< 0.22	**0.53**	< 0.5	< 0.22	< 1.2	< 0.21	< 0.23	< 0.44	**0.14**	< 0.24
Acenaphthene	< 0.14	**2**	< 0.33	< 0.15	< 0.84	< 0.14	< 0.15	< 0.29	< 0.2	< 0.16
Acenaphthylene	< 0.14	< 0.17	< 0.33	< 0.15	< 0.84	< 0.14	< 0.15	**0.11**	< 0.2	< 0.16
Anthracene	< 0.11	**3.6**	**0.12**	< 0.11	< 0.63	**0.039**	< 0.12	**0.3**	**0.056**	< 0.12
Benzo(a)anthracene	< 0.11	**4.3**	**0.35**	**0.066**	< 0.63	**0.16**	**0.072**	**1.4**	**0.21**	< 0.12
Benzo(a)pyrene	< 0.14	**3.8**	**0.25**	**0.057**	< 0.84	**0.14**	**0.076**	**1.3**	**0.18**	< 0.16
Benzo(b)fluoranthene	< 0.11	**3.6**	**0.2**	**0.079**	< 0.63	**0.2**	**0.1**	**2**	**0.26**	< 0.12
Benzo(g,h,i)perylene	< 0.14	**1.8**	**0.19**	**0.043**	< 0.84	**0.094**	**0.057**	**0.89**	**0.15**	< 0.16
Benzo(k)fluoranthene	< 0.11	**2.7**	**0.26**	< 0.11	< 0.63	**0.082**	**0.037**	**0.67**	**0.089**	< 0.12
Chrysene	< 0.11	**4.2**	**0.43**	**0.069**	< 0.63	**0.18**	**0.076**	**1.7**	**0.27**	< 0.12
Dibenz(a,h)anthracene	< 0.11	**0.46**	< 0.25	< 0.11	< 0.63	< 0.1	< 0.12	**0.31**	< 0.15	< 0.12
Fluoranthene	< 0.11	**10**	**0.6**	**0.11**	< 0.63	**0.23**	**0.098**	**2.3**	**0.36**	< 0.12
Fluorene	< 0.18	**1.9**	< 0.42	< 0.18	< 1	< 0.17	< 0.19	< 0.37	< 0.25	< 0.2
Indeno(1,2,3-cd)pyrene	< 0.14	**2.1**	**0.12**	**0.044**	< 0.84	**0.1**	**0.064**	**1**	**0.15**	< 0.16
Naphthalene	< 0.18	**0.81**	< 0.42	< 0.18	< 1	< 0.17	< 0.19	< 0.37	**0.21**	< 0.2
Phenanthrene	< 0.11	**10**	**0.39**	**0.049**	< 0.63	**0.1**	**0.042**	**1.4**	**0.35**	< 0.12
Pyrene	< 0.11	**8.6**	**0.56**	**0.097**	< 0.63	**0.18**	**0.096**	**2**	**0.34**	< 0.12

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-017	DP-017	DP-017	DP-018	DP-018	DP-018	DP-019	DP-019	DP-019	DP-020
Sample Date	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015
Sample Name	DP-017-SO-010-01	DP-017-SO-050-01	DP-017-SO-100-01	DP-018-SO-010-01	DP-018-SO-050-01	DP-018-SO-100-01	DP-019-SO-010-01	DP-019-SO-050-01	DP-019-SO-100-01	DP-020-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.19	< 0.22	< 0.21	< 0.18	< 0.18	< 0.21	< 0.19	< 0.19	< 0.21	< 0.18
2-Methylnaphthalene	< 0.23	**0.084**	< 0.26	< 0.22	< 0.22	< 0.25	< 0.23	< 0.22	< 0.25	< 0.22
Acenaphthene	**0.086**	< 0.18	< 0.17	< 0.15	< 0.15	**0.14**	**0.095**	< 0.15	< 0.17	**0.048**
Acenaphthylene	**0.1**	< 0.18	< 0.17	< 0.15	< 0.15	< 0.17	**0.12**	< 0.15	< 0.17	**0.13**
Anthracene	**0.4**	**0.19**	< 0.13	**0.047**	< 0.11	**0.4**	**0.25**	< 0.11	< 0.12	**0.18**
Benzo(a)anthracene	**1.5**	**0.48**	< 0.13	**0.23**	< 0.11	**0.72**	**1.2**	**0.075**	< 0.12	**1.1**
Benzo(a)pyrene	**1.4**	**0.39**	< 0.17	**0.21**	< 0.15	**0.61**	**1.2**	**0.057**	< 0.17	**1.1**
Benzo(b)fluoranthene	**1.9**	**0.5**	< 0.13	**0.27**	< 0.11	**0.76**	**1.6**	**0.086**	< 0.12	**1.5**
Benzo(g,h,i)perylene	**0.87**	**0.28**	< 0.17	**0.14**	< 0.15	**0.38**	**0.89**	< 0.15	< 0.17	**0.76**
Benzo(k)fluoranthene	**0.69**	**0.2**	< 0.13	**0.11**	< 0.11	**0.24**	**0.63**	< 0.11	< 0.12	**0.52**
Chrysene	**1.4**	**0.53**	< 0.13	**0.23**	< 0.11	**0.67**	**1.2**	**0.08**	< 0.12	**1.1**
Dibenz(a,h)anthracene	**0.27**	**0.078**	< 0.13	**0.042**	< 0.11	**0.086**	**0.23**	< 0.11	< 0.12	**0.2**
Fluoranthene	**2.8**	**1**	**0.044**	**0.43**	< 0.11	**1.9**	**2.2**	**0.14**	< 0.12	**1.8**
Fluorene	**0.086**	**0.073**	< 0.21	< 0.18	< 0.18	**0.14**	**0.061**	< 0.19	< 0.21	< 0.18
Indeno(1,2,3-cd)pyrene	**1**	**0.29**	< 0.17	**0.16**	< 0.15	**0.43**	**0.98**	< 0.15	< 0.17	**0.86**
Naphthalene	**0.081**	< 0.22	< 0.21	< 0.18	< 0.18	< 0.21	< 0.19	< 0.19	< 0.21	< 0.18
Phenanthrene	**1.4**	**0.85**	< 0.13	**0.2**	< 0.11	**1.4**	**0.96**	**0.099**	< 0.12	**0.62**
Pyrene	**2.5**	**0.9**	< 0.13	**0.4**	< 0.11	**1.7**	**2**	**0.12**	< 0.12	**1.7**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-020	DP-021	DP-021	DP-021	DP-021	DP-022	DP-022	DP-022	DP-023	DP-023
Sample Date	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/08/2015	07/08/2015
Sample Name	DP-020-SO-050-01	DP-021-SO-010-01	DP-021-SO-010-02	DP-021-SO-050-01	DP-021-SO-100-01	DP-022-SO-010-01	DP-022-SO-050-01	DP-022-SO-100-01	DP-023-SO-010-01	DP-023-SO-050-01
Sample Type	N	N	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.19	< 0.2	< 0.2	< 0.39	< 0.21	< 0.39	< 0.42	< 0.21	< 0.18	< 0.19
2-Methylnaphthalene	< 0.23	< 0.24	< 0.24	< 0.47	< 0.25	< 0.46	< 0.5	< 0.26	< 0.22	< 0.23
Acenaphthene	< 0.16	**0.042**	**0.1**	< 0.31	< 0.17	< 0.31	**0.15**	< 0.17	**0.055**	< 0.16
Acenaphthylene	< 0.16	**0.18**	**0.19**	**0.12**	< 0.17	**0.66**	**0.32**	< 0.17	**0.17**	< 0.16
Anthracene	< 0.12	**0.24**	**0.31**	**0.11**	< 0.13	**0.51**	**0.51**	< 0.13	**0.34**	**0.055**
Benzo(a)anthracene	**0.073**	**1.3**	**1.1**	**0.66**	**0.088**	**2.6**	**1.9**	< 0.13	**2.2**	**0.2**
Benzo(a)pyrene	**0.064**	**1.4**	**1.1**	**0.67**	**0.082**	**2.7**	**2.2**	< 0.17	**2.1**	**0.15**
Benzo(b)fluoranthene	**0.082**	**1.8**	**1.4**	**0.97**	**0.1**	**3.6**	**3.3**	< 0.13	**2.8**	**0.18**
Benzo(g,h,i)perylene	**0.047**	**0.84**	**0.72**	**0.42**	**0.044**	**1.7**	**1.6**	< 0.17	**1.4**	**0.081**
Benzo(k)fluoranthene	< 0.12	**0.68**	**0.56**	**0.4**	< 0.13	**1.4**	**0.96**	< 0.13	**0.93**	**0.079**
Chrysene	**0.078**	**1.4**	**1.1**	**0.76**	**0.087**	**2.7**	**2.6**	< 0.13	**1.8**	**0.18**
Dibenz(a,h)anthracene	< 0.12	**0.22**	**0.18**	**0.11**	< 0.13	**0.42**	**0.33**	< 0.13	**0.36**	< 0.12
Fluoranthene	**0.11**	**2.4**	**1.7**	**1.1**	**0.15**	**3.8**	**5**	< 0.13	**3.6**	**0.34**
Fluorene	< 0.19	< 0.2	**0.1**	< 0.39	< 0.21	< 0.39	**0.18**	< 0.21	< 0.18	< 0.19
Indeno(1,2,3-cd)pyrene	**0.048**	**0.92**	**0.76**	**0.47**	**0.051**	**1.9**	**1.7**	< 0.17	**1.6**	**0.099**
Naphthalene	< 0.19	**0.076**	**0.084**	< 0.39	< 0.21	**0.15**	**0.33**	< 0.21	< 0.18	< 0.19
Phenanthrene	**0.067**	**0.89**	**1.2**	**0.46**	**0.083**	**1.5**	**3.4**	< 0.13	**1.2**	**0.18**
Pyrene	**0.11**	**2.1**	**1.6**	**0.98**	**0.13**	**3.4**	**4.3**	< 0.13	**3.4**	**0.3**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-023	DP-024	DP-024	DP-024	DP-024	DP-025	DP-025	DP-025	DP-026	DP-026
Sample Date	07/08/2015	07/07/2015	07/07/2015	07/08/2015	07/08/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015
Sample Name	DP-023-SO-100-01	DP-024-SO-010-01	DP-024-SO-050-01	DP-024-SO-100-01	DP-024-SO-100-02	DP-025-SO-010-01	DP-025-SO-050-01	DP-025-SO-100-01	DP-026-SO-010-01	DP-026-SO-050-01
Sample Type	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.21	< 0.19	< 0.97	< 0.21	< 0.2	< 0.37	< 1.2	< 0.2	< 0.92	< 1.1
2-Methylnaphthalene	< 0.25	**0.11**	< 1.2	< 0.25	< 0.24	< 0.45	**2.8**	< 0.24	< 1.1	**0.48**
Acenaphthene	< 0.16	**0.057**	**0.22**	< 0.16	< 0.16	< 0.3	**0.53**	< 0.16	< 0.74	**0.64**
Acenaphthylene	< 0.16	**0.2**	**0.23**	< 0.16	< 0.16	< 0.3	**7.9**	< 0.16	**0.31**	< 0.85
Anthracene	< 0.12	**0.24**	**0.98**	< 0.12	< 0.12	**0.13**	**2.3**	< 0.12	**0.93**	**1.8**
Benzo(a)anthracene	< 0.12	**0.92**	**2.8**	< 0.12	< 0.12	**0.54**	**12**	< 0.12	**3.8**	**3.9**
Benzo(a)pyrene	< 0.16	**0.99**	**2.5**	< 0.16	< 0.16	**0.5**	**13**	< 0.16	**3.3**	**3.1**
Benzo(b)fluoranthene	< 0.12	**1.2**	**3**	< 0.12	< 0.12	**0.65**	**16**	< 0.12	**4.2**	**3.8**
Benzo(g,h,i)perylene	< 0.16	**0.6**	**1.5**	< 0.16	< 0.16	**0.31**	**6.8**	< 0.16	**2.1**	**2**
Benzo(k)fluoranthene	< 0.12	**0.48**	**1.3**	< 0.12	< 0.12	**0.26**	**11**	< 0.12	**1.7**	**1.6**
Chrysene	< 0.12	**1.1**	**2.6**	< 0.12	< 0.12	**0.54**	**22**	< 0.12	**3.3**	**3.9**
Dibenz(a,h)anthracene	< 0.12	**0.16**	**0.47**	< 0.12	< 0.12	**0.088**	**1.6**	< 0.12	**0.6**	**0.52**
Fluoranthene	< 0.12	**1.8**	**5.6**	**0.054**	< 0.12	**0.88**	**46**	< 0.12	**8**	**9**
Fluorene	< 0.21	**0.079**	**0.32**	< 0.21	< 0.2	< 0.37	**1.9**	< 0.2	< 0.92	**0.67**
Indeno(1,2,3-cd)pyrene	< 0.16	**0.68**	**1.8**	< 0.16	< 0.16	**0.33**	**7.9**	< 0.16	**2.5**	**2.1**
Naphthalene	< 0.21	**0.096**	< 0.97	< 0.21	< 0.2	< 0.37	**3.8**	< 0.2	< 0.92	**0.48**
Phenanthrene	< 0.12	**1.2**	**3.6**	< 0.12	< 0.12	**0.41**	**63**	< 0.12	**3.8**	**7.8**
Pyrene	< 0.12	**1.6**	**4.7**	**0.046**	< 0.12	**0.76**	**42**	< 0.12	**6.8**	**7.6**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-026	DP-027	DP-027	DP-028	DP-028	DP-028	DP-029	DP-029	DP-030	DP-030
Sample Date	07/07/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015
Sample Name	DP-026-SO-100-01	DP-027-SO-010-01	DP-027-SO-080-01	DP-028-SO-010-01	DP-028-SO-010-02	DP-028-SO-095-01	DP-029-SO-010-01	DP-029-SO-090-01	DP-030-SO-010-01	DP-030-SO-100-01
Sample Type	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	7.5 - 8 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	9 - 9.5 (ft)	0.5 - 1 (ft)	8.5 - 9 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.5	< 0.18	< 0.24	< 0.19	< 0.19	< 1.1	< 0.19	< 0.21	< 0.19	< 1.1
2-Methylnaphthalene	< 0.6	< 0.22	**0.081**	< 0.23	**0.15**	< 1.3	< 0.23	**0.095**	< 0.22	< 1.3
Acenaphthene	< 0.4	< 0.14	**0.2**	< 0.15	**0.45**	< 0.9	**0.1**	**0.21**	< 0.15	< 0.86
Acenaphthylene	< 0.4	< 0.14	**0.05**	< 0.15	**0.047**	< 0.9	**0.089**	**0.34**	< 0.15	< 0.86
Anthracene	**0.19**	**0.089**	**0.43**	**0.082**	**1.1**	< 0.67	**0.41**	**0.77**	**0.094**	< 0.64
Benzo(a)anthracene	**0.58**	**0.43**	**0.74**	**0.4**	**3**	< 0.67	**2.6**	**2.3**	**0.43**	< 0.64
Benzo(a)pyrene	**0.55**	**0.38**	**0.53**	**0.37**	**2.6**	< 0.9	**2.5**	**1.9**	**0.41**	< 0.86
Benzo(b)fluoranthene	**0.66**	**0.48**	**0.65**	**0.45**	**3.3**	< 0.67	**3.4**	**2.4**	**0.52**	< 0.64
Benzo(g,h,i)perylene	**0.4**	**0.23**	**0.3**	**0.23**	**1.6**	< 0.9	**1.5**	**1.1**	**0.25**	< 0.86
Benzo(k)fluoranthene	**0.21**	**0.17**	**0.25**	**0.19**	**1.1**	< 0.67	**1.1**	**0.92**	**0.18**	< 0.64
Chrysene	**0.57**	**0.39**	**0.7**	**0.4**	**3**	**0.22**	**2.4**	**2.2**	**0.43**	< 0.64
Dibenz(a,h)anthracene	**0.13**	**0.06**	< 0.14	**0.066**	**0.4**	< 0.67	**0.44**	**0.32**	**0.07**	< 0.64
Fluoranthene	**1.5**	**0.83**	**1.9**	**0.72**	**6.2**	**0.38**	**4.8**	**5.7**	**0.83**	< 0.64
Fluorene	< 0.5	< 0.18	**0.25**	< 0.19	**0.35**	< 1.1	**0.078**	**0.38**	< 0.19	< 1.1
Indeno(1,2,3-cd)pyrene	**0.37**	**0.27**	**0.32**	**0.26**	**1.7**	< 0.9	**1.7**	**1.2**	**0.29**	< 0.86
Naphthalene	< 0.5	< 0.18	**0.49**	< 0.19	**0.24**	< 1.1	< 0.19	**0.13**	< 0.19	< 1.1
Phenanthrene	**0.64**	**0.3**	**1.7**	**0.31**	**5.2**	**0.29**	**1.2**	**3.4**	**0.32**	< 0.64
Pyrene	**1.2**	**0.75**	**1.5**	**0.66**	**7.3**	**0.36**	**4.8**	**4.6**	**0.74**	< 0.64

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-031	DP-031	DP-032	DP-038	DP-038	DP-038	DP-039	DP-039	DP-039	DP-039
Sample Date	07/08/2015	07/08/2015	07/08/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015
Sample Name	DP-031-SO-010-01	DP-031-SO-100-01	DP-032-SO-010-01	DP-038-SO-010-01	DP-038-SO-050-01	DP-038-SO-100-01	DP-039-SO-010-01	DP-039-SO-050-01	DP-039-SO-050-02	DP-039-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.97	< 0.26	< 0.18	< 0.19	< 0.18	< 0.19	< 1.9	< 0.2	< 0.2	< 0.2
2-Methylnaphthalene	< 1.2	< 0.31	< 0.22	**0.079**	< 0.22	< 0.23	< 2.2	< 0.24	< 0.24	< 0.25
Acenaphthene	**0.64**	< 0.21	< 0.15	**0.041**	< 0.15	< 0.16	**2.7**	**0.071**	**0.14**	< 0.16
Acenaphthylene	< 0.78	< 0.21	< 0.15	< 0.15	< 0.15	< 0.16	< 1.5	< 0.16	**0.037**	< 0.16
Anthracene	**1.5**	< 0.16	**0.062**	**0.065**	< 0.11	< 0.12	**5.6**	**0.15**	**0.32**	< 0.12
Benzo(a)anthracene	**4.7**	< 0.16	**0.32**	**0.1**	< 0.11	< 0.12	**11**	**0.38**	**0.9**	**0.094**
Benzo(a)pyrene	**4.2**	< 0.21	**0.28**	**0.11**	< 0.15	< 0.16	**9.4**	**0.31**	**0.73**	**0.082**
Benzo(b)fluoranthene	**5.3**	< 0.16	**0.38**	**0.14**	< 0.11	< 0.12	**7.2**	**0.41**	**0.95**	**0.11**
Benzo(g,h,i)perylene	**2.5**	< 0.21	**0.17**	**0.087**	< 0.15	< 0.16	**5.2**	**0.19**	**0.43**	**0.05**
Benzo(k)fluoranthene	**2.2**	< 0.16	**0.14**	**0.052**	< 0.11	< 0.12	**7.4**	**0.16**	**0.37**	**0.039**
Chrysene	**5**	< 0.16	**0.3**	**0.11**	< 0.11	< 0.12	**9.8**	**0.38**	**0.9**	**0.086**
Dibenz(a,h)anthracene	**0.51**	< 0.16	**0.054**	< 0.11	< 0.11	< 0.12	**1.7**	**0.052**	**0.11**	< 0.12
Fluoranthene	**12**	< 0.16	**0.54**	**0.21**	< 0.11	< 0.12	**25**	**0.76**	**2.4**	**0.12**
Fluorene	**0.51**	< 0.26	< 0.18	**0.064**	< 0.18	< 0.19	**2**	< 0.2	**0.11**	< 0.2
Indeno(1,2,3-cd)pyrene	**2.8**	< 0.21	**0.2**	**0.09**	< 0.15	< 0.16	**5.3**	**0.21**	**0.49**	**0.054**
Naphthalene	**0.59**	< 0.26	< 0.18	< 0.19	< 0.18	< 0.19	< 1.9	< 0.2	< 0.2	< 0.2
Phenanthrene	**7.6**	< 0.16	**0.21**	**0.25**	< 0.11	< 0.12	**20**	**0.63**	**1.5**	< 0.12
Pyrene	**10**	< 0.16	**0.46**	**0.22**	< 0.11	< 0.12	**20**	**0.66**	**2**	**0.1**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-040	DP-040	DP-040	DP-040	DP-041	DP-041	DP-041	DP-042	DP-042	DP-042
Sample Date	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015
Sample Name	DP-040-SO-010-01	DP-040-SO-050-01	DP-040-SO-100-01	DP-040-SO-100-02	DP-041-SO-010-01	DP-041-SO-050-01	DP-041-SO-100-01	DP-042-SO-010-01	DP-042-SO-050-01	DP-042-SO-100-01
Sample Type	N	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.39	< 0.21	< 0.23	< 0.22	< 0.39	< 0.21	< 0.2	< 3.8	< 0.23	< 0.21
2-Methylnaphthalene	**1.6**	< 0.26	< 0.28	< 0.27	< 0.47	< 0.25	< 0.24	< 4.6	< 0.27	< 0.25
Acenaphthene	**2.5**	< 0.17	< 0.19	< 0.18	< 0.31	**0.083**	< 0.16	**0.94**	< 0.18	< 0.17
Acenaphthylene	**0.15**	< 0.17	< 0.19	< 0.18	**0.28**	**0.52**	< 0.16	**17**	**0.17**	**0.072**
Anthracene	**8.6**	**0.15**	< 0.14	**0.054**	**0.3**	**0.46**	< 0.12	**9.6**	< 0.14	< 0.12
Benzo(a)anthracene	**10**	**0.42**	< 0.14	**0.2**	**1.2**	**1.4**	**0.074**	**45**	**0.048**	**0.1**
Benzo(a)pyrene	**7.7**	**0.38**	< 0.19	**0.17**	**1.2**	**1.6**	**0.066**	**44**	< 0.18	**0.094**
Benzo(b)fluoranthene	**9.4**	**0.45**	< 0.14	**0.21**	**1.5**	**2.4**	**0.074**	**64**	**0.068**	**0.12**
Benzo(g,h,i)perylene	**3.9**	**0.19**	< 0.19	**0.11**	**0.72**	**1**	< 0.16	**27**	< 0.18	**0.062**
Benzo(k)fluoranthene	**3.9**	**0.19**	< 0.14	**0.084**	**0.69**	**0.68**	< 0.12	**23**	< 0.14	**0.046**
Chrysene	**9**	**0.43**	< 0.14	**0.18**	**1.2**	**1.5**	**0.073**	**44**	**0.045**	**0.096**
Dibenz(a,h)anthracene	**1.1**	**0.068**	< 0.14	< 0.14	**0.2**	**0.3**	< 0.12	**7.4**	< 0.14	< 0.12
Fluoranthene	**26**	**0.7**	< 0.14	**0.41**	**2**	**2.3**	**0.12**	**84**	**0.056**	**0.17**
Fluorene	**3.1**	< 0.21	< 0.23	< 0.22	< 0.39	**0.084**	< 0.2	**1.1**	< 0.23	< 0.21
Indeno(1,2,3-cd)pyrene	**4.8**	**0.22**	< 0.19	**0.12**	**0.79**	**1.1**	< 0.16	**31**	< 0.18	**0.074**
Naphthalene	**1.9**	< 0.21	< 0.23	< 0.22	< 0.39	**0.078**	< 0.2	< 3.8	< 0.23	< 0.21
Phenanthrene	**26**	**0.58**	< 0.14	**0.24**	**0.82**	**0.83**	**0.089**	**9.1**	< 0.14	**0.075**
Pyrene	**20**	**0.6**	< 0.14	**0.35**	**1.9**	**2.4**	**0.1**	**75**	**0.052**	**0.14**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-042	DP-042	DP-042	DP-043	DP-043	DP-043	DP-043	DP-043	DP-043
Sample Date	07/17/2015	07/17/2015	07/17/2015	07/09/2015	07/09/2015	07/09/2015	07/17/2015	07/17/2015	07/17/2015
Sample Name	DP-042-SO-010-02	DP-042-SO-050-02	DP-042-SO-100-02	DP-043-SO-010-01	DP-043-SO-050-01	DP-043-SO-100-01	DP-043-SO-010-02	DP-043-SO-050-02	DP-043-SO-100-02
Sample Type	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.37	< 0.22	< 0.21	< 0.2	< 0.39	< 0.2	< 0.73	< 0.19	< 0.22
2-Methylnaphthalene	< 0.45	< 0.27	< 0.25	< 0.23	< 0.47	< 0.24	< 0.88	< 0.23	< 0.27
Acenaphthene	**0.2**	< 0.18	< 0.17	**0.055**	**0.1**	< 0.16	< 0.59	**0.067**	**0.19**
Acenaphthylene	**0.85**	< 0.18	< 0.17	**0.051**	**0.21**	< 0.16	**0.16**	**0.5**	**0.049**
Anthracene	**0.94**	**0.092**	< 0.13	**0.13**	**0.34**	< 0.12	**0.26**	**0.37**	**0.75**
Benzo(a)anthracene	**2.6**	**0.21**	< 0.13	**0.44**	**1**	**0.055**	**0.76**	**1.2**	**1.4**
Benzo(a)pyrene	**2.8**	**0.19**	< 0.17	**0.4**	**1**	< 0.16	**0.71**	**1.4**	**1.3**
Benzo(b)fluoranthene	**2.5**	**0.16**	< 0.13	**0.52**	**1.3**	**0.062**	**0.66**	**1.3**	**1**
Benzo(g,h,i)perylene	**1.8**	**0.11**	< 0.17	**0.23**	**0.68**	< 0.16	**0.47**	**0.93**	**0.72**
Benzo(k)fluoranthene	**2.5**	**0.17**	< 0.13	**0.2**	**0.57**	< 0.12	**0.56**	**1.2**	**1**
Chrysene	**2.6**	**0.2**	< 0.13	**0.42**	**1.1**	**0.049**	**0.71**	**1.2**	**1.2**
Dibenz(a,h)anthracene	**0.68**	< 0.13	< 0.13	**0.058**	**0.17**	< 0.12	< 0.44	**0.34**	**0.24**
Fluoranthene	**4**	**0.47**	< 0.13	**0.84**	**1.9**	**0.08**	**1.2**	**1.7**	**3**
Fluorene	**0.15**	< 0.22	< 0.21	< 0.2	< 0.39	< 0.2	< 0.73	< 0.19	**0.16**
Indeno(1,2,3-cd)pyrene	**1.7**	**0.1**	< 0.17	**0.27**	**0.76**	< 0.16	**0.41**	**0.86**	**0.68**
Naphthalene	**0.13**	< 0.22	< 0.21	< 0.2	< 0.39	< 0.2	< 0.73	< 0.19	< 0.22
Phenanthrene	**1.8**	**0.41**	< 0.13	**0.47**	**1.1**	**0.04**	**0.69**	**0.54**	**2.6**
Pyrene	**3.7**	**0.37**	< 0.13	**0.73**	**1.8**	**0.07**	**1.1**	**1.6**	**2.5**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-044	DP-044	DP-044	DP-044	DP-044	DP-044	DP-045	DP-045	DP-045
Sample Date	07/09/2015	07/09/2015	07/09/2015	07/17/2015	07/17/2015	07/17/2015	07/09/2015	07/09/2015	07/09/2015
Sample Name	DP-044-SO-010-01	DP-044-SO-050-01	DP-044-SO-100-01	DP-044-SO-010-02	DP-044-SO-050-02	DP-044-SO-100-02	DP-045-SO-010-01	DP-045-SO-050-01	DP-045-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.19	< 0.22	< 0.24	< 0.37	< 0.23	< 0.22	< 0.38	< 0.23	< 0.2
2-Methylnaphthalene	**0.13**	< 0.26	< 0.29	< 0.45	< 0.28	< 0.26	< 0.46	< 0.27	< 0.24
Acenaphthene	**0.71**	< 0.17	< 0.19	**0.46**	< 0.18	< 0.17	**0.63**	< 0.18	< 0.16
Acenaphthylene	**0.47**	< 0.17	< 0.19	**0.32**	< 0.18	< 0.17	**0.38**	**0.13**	< 0.16
Anthracene	**1.9**	< 0.13	< 0.14	**1.1**	< 0.14	< 0.13	**1.7**	**0.41**	**0.059**
Benzo(a)anthracene	**5.4**	< 0.13	< 0.14	**3.1**	**0.055**	< 0.13	**4.4**	**0.83**	**0.22**
Benzo(a)pyrene	**4.8**	< 0.17	< 0.19	**2.8**	< 0.18	< 0.17	**4.2**	**0.64**	**0.19**
Benzo(b)fluoranthene	**6.4**	< 0.13	< 0.14	**2.5**	< 0.14	< 0.13	**5.3**	**0.82**	**0.27**
Benzo(g,h,i)perylene	**3.1**	< 0.17	< 0.19	**1.5**	< 0.18	< 0.17	**2.5**	**0.4**	**0.12**
Benzo(k)fluoranthene	**2.2**	< 0.13	< 0.14	**2.4**	< 0.14	< 0.13	**1.9**	**0.34**	**0.1**
Chrysene	**5.3**	< 0.13	< 0.14	**2.9**	**0.055**	< 0.13	**4.1**	**0.8**	**0.25**
Dibenz(a,h)anthracene	**0.92**	< 0.13	< 0.14	**0.64**	< 0.14	< 0.13	**0.7**	**0.12**	< 0.12
Fluoranthene	**14**	< 0.13	< 0.14	**5.1**	**0.1**	< 0.13	**8**	**1.6**	**0.47**
Fluorene	**0.39**	< 0.22	< 0.24	**0.32**	< 0.23	< 0.22	**0.41**	< 0.23	< 0.2
Indeno(1,2,3-cd)pyrene	**3.8**	< 0.17	< 0.19	**1.5**	< 0.18	< 0.17	**2.9**	**0.46**	**0.13**
Naphthalene	**0.21**	< 0.22	< 0.24	**0.13**	< 0.23	< 0.22	**0.16**	< 0.23	< 0.2
Phenanthrene	**4.6**	< 0.13	< 0.14	**3.2**	**0.079**	< 0.13	**4.8**	**1.6**	**0.27**
Pyrene	**12**	< 0.13	< 0.14	**4.3**	**0.09**	< 0.13	**7.1**	**1.3**	**0.4**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-045	DP-045	DP-045	DP-046	DP-046	DP-047	DP-047	DP-047	DP-047
Sample Date	07/17/2015	07/17/2015	07/17/2015	07/09/2015	07/09/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015
Sample Name	DP-045-SO-010-02	DP-045-SO-050-02	DP-045-SO-100-02	DP-046-SO-010-01	DP-046-SO-100-01	DP-047-SO-010-01	DP-047-SO-010-02	DP-047-SO-050-01	DP-047-SO-100-01
Sample Type	N	N	N	N	N	N	FD	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.75	< 0.43	< 0.21	< 0.2	< 0.2	< 0.19	< 0.19	< 0.19	< 0.19
2-Methylnaphthalene	< 0.9	< 0.52	< 0.25	**0.07**	< 0.24	< 0.23	< 0.23	< 0.23	< 0.23
Acenaphthene	**0.37**	**0.3**	< 0.17	**0.29**	< 0.16	**0.14**	**0.12**	< 0.16	< 0.16
Acenaphthylene	**0.2**	**0.87**	**0.046**	**0.15**	< 0.16	**0.059**	**0.04**	< 0.16	< 0.16
Anthracene	**1**	**2.8**	**0.076**	**0.71**	< 0.12	**0.37**	**0.26**	< 0.12	< 0.12
Benzo(a)anthracene	**3**	**5.5**	**0.37**	**1.5**	**0.11**	**1.4**	**0.85**	< 0.12	< 0.12
Benzo(a)pyrene	**3**	**4.2**	**0.36**	**1.4**	**0.089**	**1.2**	**0.8**	< 0.16	< 0.16
Benzo(b)fluoranthene	**2.4**	**3.6**	**0.3**	**1.7**	**0.11**	**1.7**	**1.1**	< 0.12	< 0.12
Benzo(g,h,i)perylene	**1.8**	**2.2**	**0.22**	**0.84**	**0.052**	**0.71**	**0.46**	< 0.16	< 0.16
Benzo(k)fluoranthene	**2.7**	**4**	**0.34**	**0.72**	**0.046**	**0.68**	**0.37**	< 0.12	< 0.12
Chrysene	**2.8**	**5**	**0.34**	**1.5**	**0.1**	**1.5**	**0.92**	< 0.12	< 0.12
Dibenz(a,h)anthracene	**0.62**	**0.84**	**0.071**	**0.21**	< 0.12	**0.17**	**0.14**	< 0.12	< 0.12
Fluoranthene	**5.3**	**10**	**0.65**	**3.3**	**0.2**	**2.8**	**1.7**	< 0.12	**0.038**
Fluorene	**0.3**	**0.23**	< 0.21	**0.21**	< 0.2	**0.12**	**0.097**	< 0.19	< 0.19
Indeno(1,2,3-cd)pyrene	**1.7**	**2.2**	**0.21**	**0.97**	**0.053**	**0.8**	**0.52**	< 0.16	< 0.16
Naphthalene	< 0.75	< 0.43	< 0.21	**0.11**	< 0.2	< 0.19	< 0.19	< 0.19	< 0.19
Phenanthrene	**3.3**	**11**	**0.28**	**2.4**	**0.13**	**1.5**	**1.1**	< 0.12	< 0.12
Pyrene	**4.5**	**8.4**	**0.53**	**2.9**	**0.17**	**2.6**	**1.5**	< 0.12	< 0.12

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-052	DP-053	DP-053	DP-053	DP-054	DP-054	DP-054	DP-054	DP-055	DP-055
Sample Date	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015
Sample Name	DP-052-SO-050-01	DP-053-SO-010-01	DP-053-SO-050-01	DP-053-SO-100-01	DP-054-SO-010-01	DP-054-SO-050-01	DP-054-SO-100-01	DP-054-SO-100-02	DP-055-SO-010-01	DP-055-SO-050-01
Sample Type	N	N	N	N	N	N	N	FD	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.37	< 0.18	< 0.19	< 0.19	< 0.19	< 0.18
2-Methylnaphthalene	< 0.21	< 0.21	< 0.2	< 0.22	< 0.44	< 0.21	< 0.23	**0.064**	< 0.23	< 0.22
Acenaphthene	< 0.14	< 0.14	< 0.14	< 0.14	**0.085**	< 0.14	< 0.15	< 0.15	< 0.16	< 0.15
Acenaphthylene	< 0.14	**0.035**	< 0.14	< 0.14	**0.13**	< 0.14	< 0.15	< 0.15	< 0.16	< 0.15
Anthracene	< 0.11	**0.076**	< 0.1	< 0.11	**0.23**	< 0.11	**0.048**	**0.065**	< 0.12	< 0.11
Benzo(a)anthracene	**0.068**	**0.31**	< 0.1	< 0.11	**0.59**	**0.043**	**0.24**	**0.24**	< 0.12	< 0.11
Benzo(a)pyrene	**0.065**	**0.24**	< 0.14	< 0.14	**0.53**	< 0.14	**0.23**	**0.23**	< 0.16	< 0.15
Benzo(b)fluoranthene	**0.087**	**0.39**	< 0.1	< 0.11	**0.71**	**0.052**	**0.3**	**0.3**	< 0.12	**0.039**
Benzo(g,h,i)perylene	**0.041**	**0.19**	< 0.14	< 0.14	**0.36**	< 0.14	**0.13**	**0.14**	< 0.16	< 0.15
Benzo(k)fluoranthene	< 0.11	**0.15**	< 0.1	< 0.11	**0.27**	< 0.11	**0.12**	**0.11**	< 0.12	< 0.11
Chrysene	**0.075**	**0.32**	< 0.1	< 0.11	**0.62**	**0.047**	**0.26**	**0.24**	< 0.12	< 0.11
Dibenz(a,h)anthracene	< 0.11	**0.04**	< 0.1	< 0.11	**0.082**	< 0.11	**0.037**	**0.037**	< 0.12	< 0.11
Fluoranthene	**0.11**	**0.67**	< 0.1	< 0.11	**1.2**	**0.058**	**0.39**	**0.39**	< 0.12	**0.054**
Fluorene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.37	< 0.18	< 0.19	< 0.19	< 0.19	< 0.18
Indeno(1,2,3-cd)pyrene	**0.043**	**0.2**	< 0.14	< 0.14	**0.38**	< 0.14	**0.15**	**0.15**	< 0.16	< 0.15
Naphthalene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.37	< 0.18	< 0.19	**0.08**	< 0.19	< 0.18
Phenanthrene	**0.052**	**0.23**	< 0.1	< 0.11	**0.92**	< 0.11	**0.2**	**0.26**	< 0.12	< 0.11
Pyrene	**0.11**	**0.53**	< 0.1	< 0.11	**0.99**	**0.062**	**0.35**	**0.34**	< 0.12	**0.05**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-055	DP-056	DP-056	DP-056	DP-057	DP-057	DP-057	DP-057	DP-058	DP-058
Sample Date	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015
Sample Name	DP-055-SO-100-01	DP-056-SO-010-01	DP-056-SO-050-01	DP-056-SO-100-01	DP-057-SO-010-01	DP-057-SO-050-01	DP-057-SO-100-01	DP-057-SO-100-02	DP-058-SO-010-01	DP-058-SO-050-01
Sample Type	N	N	N	N	N	N	N	FD	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.2	< 0.2	< 0.19	< 0.19	< 0.2	< 0.19	< 0.2	< 0.18	< 0.19	< 0.18
2-Methylnaphthalene	< 0.24	< 0.24	< 0.23	< 0.23	< 0.24	**0.11**	< 0.24	< 0.22	< 0.23	< 0.22
Acenaphthene	< 0.16	< 0.16	< 0.15	< 0.15	< 0.16	< 0.15	< 0.16	< 0.15	< 0.15	< 0.15
Acenaphthylene	< 0.16	< 0.16	< 0.15	< 0.15	< 0.16	< 0.15	< 0.16	< 0.15	< 0.15	< 0.15
Anthracene	< 0.12	< 0.12	< 0.11	**0.047**	< 0.12	**0.059**	< 0.12	< 0.11	< 0.11	< 0.11
Benzo(a)anthracene	**0.16**	< 0.12	< 0.11	**0.33**	**0.046**	**0.1**	< 0.12	< 0.11	**0.15**	< 0.11
Benzo(a)pyrene	**0.16**	< 0.16	< 0.15	**0.18**	< 0.16	< 0.15	< 0.16	< 0.15	**0.14**	< 0.15
Benzo(b)fluoranthene	**0.21**	< 0.12	< 0.11	**0.28**	< 0.12	**0.075**	< 0.12	< 0.11	**0.2**	< 0.11
Benzo(g,h,i)perylene	**0.086**	< 0.16	< 0.15	**0.074**	< 0.16	< 0.15	< 0.16	< 0.15	**0.093**	< 0.15
Benzo(k)fluoranthene	**0.088**	< 0.12	< 0.11	**0.11**	< 0.12	< 0.11	< 0.12	< 0.11	**0.07**	< 0.11
Chrysene	**0.18**	< 0.12	< 0.11	**0.32**	< 0.12	**0.099**	< 0.12	< 0.11	**0.16**	< 0.11
Dibenz(a,h)anthracene	< 0.12	< 0.12	< 0.11	< 0.11	< 0.12	< 0.11	< 0.12	< 0.11	< 0.11	< 0.11
Fluoranthene	**0.25**	< 0.12	< 0.11	**0.78**	**0.16**	**0.39**	< 0.12	< 0.11	**0.23**	< 0.11
Fluorene	< 0.2	< 0.2	< 0.19	< 0.19	< 0.2	< 0.19	< 0.2	< 0.18	< 0.19	< 0.18
Indeno(1,2,3-cd)pyrene	**0.11**	< 0.16	< 0.15	**0.088**	< 0.16	< 0.15	< 0.16	< 0.15	**0.099**	< 0.15
Naphthalene	< 0.2	< 0.2	< 0.19	< 0.19	< 0.2	< 0.19	< 0.2	< 0.18	< 0.19	< 0.18
Phenanthrene	**0.1**	< 0.12	< 0.11	**0.11**	< 0.12	**0.21**	< 0.12	< 0.11	**0.084**	< 0.11
Pyrene	**0.21**	< 0.12	< 0.11	**0.61**	**0.12**	**0.33**	< 0.12	< 0.11	**0.21**	< 0.11

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-058	DP-059	DP-059	DP-059	DP-059	DP-060	DP-060	DP-060	DP-061	DP-061
Sample Date	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015
Sample Name	DP-058-SO-100-01	DP-059-SO-010-01	DP-059-SO-010-02	DP-059-SO-050-01	DP-059-SO-100-01	DP-060-SO-010-01	DP-060-SO-050-01	DP-060-SO-100-01	DP-061-SO-010-01	DP-061-SO-050-01
Sample Type	N	N	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.2	< 0.2	< 0.2	< 0.19	< 0.2
2-Methylnaphthalene	< 0.23	< 0.22	< 0.22	< 0.23	< 0.23	< 0.24	< 0.23	< 0.24	< 0.23	< 0.24
Acenaphthene	< 0.15	< 0.15	< 0.14	< 0.15	< 0.15	< 0.16	< 0.16	< 0.16	< 0.15	**0.086**
Acenaphthylene	< 0.15	< 0.15	< 0.14	< 0.15	< 0.15	< 0.16	< 0.16	< 0.16	< 0.15	< 0.16
Anthracene	< 0.11	< 0.11	< 0.11	**0.08**	< 0.12	< 0.12	< 0.12	< 0.12	< 0.11	**0.24**
Benzo(a)anthracene	< 0.11	**0.044**	**0.052**	**0.29**	< 0.12	< 0.12	< 0.12	< 0.12	**0.057**	**0.4**
Benzo(a)pyrene	< 0.15	**0.046**	**0.052**	**0.25**	< 0.15	< 0.16	< 0.16	< 0.16	**0.06**	**0.28**
Benzo(b)fluoranthene	< 0.11	**0.066**	**0.066**	**0.3**	< 0.12	< 0.12	< 0.12	< 0.12	**0.051**	**0.22**
Benzo(g,h,i)perylene	< 0.15	< 0.15	< 0.14	**0.12**	< 0.15	< 0.16	< 0.16	< 0.16	**0.039**	**0.12**
Benzo(k)fluoranthene	< 0.11	< 0.11	< 0.11	**0.16**	< 0.12	< 0.12	< 0.12	< 0.12	**0.048**	**0.26**
Chrysene	< 0.11	**0.045**	**0.05**	**0.29**	< 0.12	**0.042**	< 0.12	< 0.12	**0.064**	**0.36**
Dibenz(a,h)anthracene	< 0.11	< 0.11	< 0.11	**0.042**	< 0.12	< 0.12	< 0.12	< 0.12	< 0.11	**0.056**
Fluoranthene	< 0.11	**0.051**	**0.066**	**0.48**	< 0.12	**0.048**	**0.042**	< 0.12	**0.1**	**0.7**
Fluorene	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.2	< 0.2	< 0.2	< 0.19	**0.1**
Indeno(1,2,3-cd)pyrene	< 0.15	< 0.15	< 0.14	**0.16**	< 0.15	< 0.16	< 0.16	< 0.16	< 0.15	**0.13**
Naphthalene	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.2	< 0.2	< 0.2	< 0.19	< 0.2
Phenanthrene	< 0.11	< 0.11	< 0.11	**0.35**	< 0.12	< 0.12	< 0.12	< 0.12	**0.074**	**0.66**
Pyrene	< 0.11	**0.044**	**0.061**	**0.4**	< 0.12	**0.056**	**0.04**	< 0.12	**0.092**	**0.58**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-061	DP-061	DP-062	DP-062	DP-062	DP-063	DP-063	DP-063	DP-064	DP-064
Sample Date	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015
Sample Name	DP-061-SO-050-02	DP-061-SO-100-01	DP-062-SO-010-01	DP-062-SO-050-01	DP-062-SO-100-01	DP-063-SO-010-01	DP-063-SO-050-01	DP-063-SO-100-01	DP-064-SO-010-01	DP-064-SO-050-01
Sample Type	FD	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18
2-Methylnaphthalene	< 0.24	< 0.24	< 0.23	< 0.23	< 0.24	< 0.23	< 0.23	< 0.23	< 0.22	< 0.21
Acenaphthene	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.16	< 0.15	< 0.14
Acenaphthylene	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.16	< 0.15	< 0.14
Anthracene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.11	< 0.11
Benzo(a)anthracene	**0.055**	< 0.12	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	**0.09**	< 0.11
Benzo(a)pyrene	**0.054**	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.16	**0.086**	< 0.14
Benzo(b)fluoranthene	**0.047**	< 0.12	< 0.12	< 0.12	< 0.12	**0.04**	< 0.12	< 0.12	**0.11**	< 0.11
Benzo(g,h,i)perylene	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.16	**0.059**	< 0.14
Benzo(k)fluoranthene	**0.05**	< 0.12	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	**0.04**	< 0.11
Chrysene	**0.053**	< 0.12	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	**0.09**	< 0.11
Dibenz(a,h)anthracene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.11	< 0.11
Fluoranthene	**0.08**	< 0.12	< 0.12	< 0.12	< 0.12	**0.051**	< 0.12	< 0.12	**0.15**	< 0.11
Fluorene	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18
Indeno(1,2,3-cd)pyrene	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.16	**0.059**	< 0.14
Naphthalene	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18
Phenanthrene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	**0.071**	< 0.11
Pyrene	**0.076**	< 0.12	< 0.12	< 0.12	< 0.12	**0.051**	**0.042**	< 0.12	**0.14**	< 0.11

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-064	DP-064	DP-065	DP-066	DP-066	DP-066	DP-067	DP-067	DP-067	DP-068
Sample Date	07/10/2015	07/10/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015
Sample Name	DP-064-SO-100-01	DP-064-SO-100-02	DP-065-SO-010-01	DP-066-SO-010-01	DP-066-SO-050-01	DP-066-SO-100-01	DP-067-SO-010-01	DP-067-SO-050-01	DP-067-SO-100-01	DP-068-SO-010-01
Sample Type	N	FD	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.19	< 0.2	< 0.18	< 0.19	< 0.19	< 0.2	< 0.19	< 0.2	< 0.2	< 0.19
2-Methylnaphthalene	< 0.23	< 0.24	< 0.22	< 0.23	**0.15**	< 0.24	< 0.23	< 0.24	< 0.24	< 0.23
Acenaphthene	< 0.16	< 0.16	< 0.15	< 0.15	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.15
Acenaphthylene	< 0.16	< 0.16	< 0.15	**0.053**	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.15
Anthracene	< 0.12	< 0.12	< 0.11	**0.06**	**0.046**	< 0.12	< 0.12	**0.065**	< 0.12	< 0.12
Benzo(a)anthracene	< 0.12	< 0.12	**0.068**	**0.33**	**0.15**	< 0.12	**0.059**	**0.28**	< 0.12	**0.17**
Benzo(a)pyrene	< 0.16	< 0.16	**0.06**	**0.32**	**0.14**	< 0.16	**0.062**	**0.28**	< 0.16	**0.16**
Benzo(b)fluoranthene	< 0.12	< 0.12	**0.078**	**0.27**	**0.12**	< 0.12	**0.054**	**0.23**	< 0.12	**0.14**
Benzo(g,h,i)perylene	< 0.16	< 0.16	< 0.15	**0.17**	**0.083**	< 0.16	**0.044**	**0.16**	< 0.16	**0.083**
Benzo(k)fluoranthene	< 0.12	< 0.12	< 0.11	**0.28**	**0.14**	< 0.12	**0.053**	**0.23**	< 0.12	**0.15**
Chrysene	< 0.12	< 0.12	**0.069**	**0.33**	**0.16**	< 0.12	**0.061**	**0.28**	< 0.12	**0.17**
Dibenz(a,h)anthracene	< 0.12	< 0.12	< 0.11	**0.07**	< 0.12	< 0.12	< 0.12	**0.072**	< 0.12	< 0.12
Fluoranthene	< 0.12	< 0.12	**0.12**	**0.51**	**0.28**	< 0.12	**0.088**	**0.46**	< 0.12	**0.26**
Fluorene	< 0.19	< 0.2	< 0.18	< 0.19	< 0.19	< 0.2	< 0.19	< 0.2	< 0.2	< 0.19
Indeno(1,2,3-cd)pyrene	< 0.16	< 0.16	< 0.15	**0.17**	**0.082**	< 0.16	< 0.15	**0.15**	< 0.16	**0.08**
Naphthalene	< 0.19	< 0.2	< 0.18	< 0.19	**0.15**	< 0.2	< 0.19	< 0.2	< 0.2	< 0.19
Phenanthrene	< 0.12	< 0.12	**0.053**	**0.2**	**0.2**	< 0.12	< 0.12	**0.22**	< 0.12	**0.11**
Pyrene	< 0.12	< 0.12	**0.1**	**0.44**	**0.26**	< 0.12	**0.079**	**0.39**	< 0.12	**0.22**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-068	DP-068	DP-072	DP-072	DP-072	DP-072	DP-073	DP-073	DP-073	DP-074
Sample Date	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015
Sample Name	DP-068-SO-050-01	DP-068-SO-100-01	DP-072-SO-010-01	DP-072-SO-010-02	DP-072-SO-050-01	DP-072-SO-100-01	DP-073-SO-010-01	DP-073-SO-050-01	DP-073-SO-100-01	DP-074-SO-010-01
Sample Type	N	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.2	< 0.21	< 0.2	< 0.19	< 0.19	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Methylnaphthalene	< 0.24	< 0.25	< 0.24	< 0.23	< 0.23	< 0.24	< 0.24	< 0.24	< 0.23	< 0.24
Acenaphthene	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Acenaphthylene	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Anthracene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Benzo(a)anthracene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Benzo(a)pyrene	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Benzo(b)fluoranthene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Benzo(g,h,i)perylene	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Benzo(k)fluoranthene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Chrysene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Dibenz(a,h)anthracene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Fluoranthene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Fluorene	< 0.2	< 0.21	< 0.2	< 0.19	< 0.19	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Indeno(1,2,3-cd)pyrene	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Naphthalene	< 0.2	< 0.21	< 0.2	< 0.19	< 0.19	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Phenanthrene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Pyrene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-074	DP-074	DP-074	DP-075	DP-075	DP-075	DP-076	DP-076	DP-077	DP-077
Sample Date	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015
Sample Name	DP-074-SO-010-02	DP-074-SO-050-01	DP-074-SO-100-01	DP-075-SO-010-01	DP-075-SO-050-01	DP-075-SO-100-01	DP-076-SO-050-01	DP-076-SO-100-01	DP-077-SO-050-01	DP-077-SO-100-01
Sample Type	FD	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.2	< 0.2	< 0.19	< 0.19	< 0.2	< 0.2	< 0.19	< 0.18	< 0.19	< 0.18
2-Methylnaphthalene	< 0.23	< 0.24	< 0.23	< 0.23	< 0.24	< 0.24	< 0.23	< 0.22	< 0.22	< 0.22
Acenaphthene	< 0.16	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.15
Acenaphthylene	< 0.16	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.15
Anthracene	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11
Benzo(a)anthracene	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11
Benzo(a)pyrene	< 0.16	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.15
Benzo(b)fluoranthene	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11
Benzo(g,h,i)perylene	< 0.16	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.15
Benzo(k)fluoranthene	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11
Chrysene	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11
Dibenz(a,h)anthracene	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11
Fluoranthene	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11
Fluorene	< 0.2	< 0.2	< 0.19	< 0.19	< 0.2	< 0.2	< 0.19	< 0.18	< 0.19	< 0.18
Indeno(1,2,3-cd)pyrene	< 0.16	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.15
Naphthalene	< 0.2	< 0.2	< 0.19	< 0.19	< 0.2	< 0.2	< 0.19	< 0.18	< 0.19	< 0.18
Phenanthrene	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11
Pyrene	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-078	DP-078	DP-092	DP-092	DP-092	DP-093	DP-093	DP-093	DP-095	DP-095
Sample Date	07/13/2015	07/13/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015
Sample Name	DP-078-SO-050-01	DP-078-SO-100-01	DP-092-SO-010-01	DP-092-SO-050-01	DP-092-SO-100-01	DP-093-SO-050-01	DP-093-SO-100-01	DP-093-SO-100-02	DP-095-SO-010-01	DP-095-SO-050-01
Sample Type	N	N	N	N	N	N	N	FD	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.2	< 0.19	< 0.99	< 0.2	< 0.96	< 0.18	< 0.19	< 0.18	< 0.18	< 0.19
2-Methylnaphthalene	< 0.23	< 0.23	**31**	**3.8**	**25**	< 0.22	< 0.23	< 0.22	< 0.22	< 0.23
Acenaphthene	< 0.16	< 0.15	< 0.79	< 0.16	**1.1**	< 0.15	< 0.15	< 0.14	< 0.14	< 0.15
Acenaphthylene	< 0.16	< 0.15	**0.69**	< 0.16	< 0.77	< 0.15	< 0.15	< 0.14	< 0.14	< 0.15
Anthracene	< 0.12	< 0.11	**0.31**	< 0.12	< 0.58	< 0.11	< 0.12	< 0.11	**0.053**	< 0.12
Benzo(a)anthracene	< 0.12	< 0.11	< 0.59	< 0.12	< 0.58	< 0.11	< 0.12	< 0.11	**0.23**	**0.089**
Benzo(a)pyrene	< 0.16	< 0.15	< 0.79	< 0.16	< 0.77	< 0.15	< 0.15	< 0.14	**0.22**	**0.073**
Benzo(b)fluoranthene	< 0.12	< 0.11	< 0.59	< 0.12	< 0.58	< 0.11	< 0.12	< 0.11	**0.3**	**0.089**
Benzo(g,h,i)perylene	< 0.16	< 0.15	< 0.79	< 0.16	< 0.77	< 0.15	< 0.15	< 0.14	**0.16**	**0.04**
Benzo(k)fluoranthene	< 0.12	< 0.11	< 0.59	< 0.12	< 0.58	< 0.11	< 0.12	< 0.11	**0.1**	**0.037**
Chrysene	< 0.12	< 0.11	< 0.59	< 0.12	< 0.58	< 0.11	< 0.12	< 0.11	**0.22**	**0.086**
Dibenz(a,h)anthracene	< 0.12	< 0.11	< 0.59	< 0.12	< 0.58	< 0.11	< 0.12	< 0.11	**0.044**	< 0.12
Fluoranthene	< 0.12	< 0.11	< 0.59	< 0.12	< 0.58	< 0.11	< 0.12	< 0.11	**0.43**	**0.15**
Fluorene	< 0.2	< 0.19	**4**	**0.43**	**3.2**	< 0.18	< 0.19	< 0.18	< 0.18	< 0.19
Indeno(1,2,3-cd)pyrene	< 0.16	< 0.15	< 0.79	< 0.16	< 0.77	< 0.15	< 0.15	< 0.14	**0.17**	**0.047**
Naphthalene	< 0.2	< 0.19	**10**	**1**	**6.6**	< 0.18	< 0.19	< 0.18	< 0.18	< 0.19
Phenanthrene	< 0.12	< 0.11	**7**	**0.87**	**5.2**	< 0.11	< 0.12	< 0.11	**0.19**	**0.087**
Pyrene	< 0.12	< 0.11	**0.29**	< 0.12	**0.3**	< 0.11	< 0.12	< 0.11	**0.39**	**0.14**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-095	DP-096	DP-096	DP-096	DP-096	DP-097	DP-097	DP-097	DP-098	DP-098
Sample Date	07/15/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015
Sample Name	DP-095-SO-100-01	DP-096-SO-010-01	DP-096-SO-010-02	DP-096-SO-050-01	DP-096-SO-100-01	DP-097-SO-010-01	DP-097-SO-050-01	DP-097-SO-100-01	DP-098-SO-010-01	DP-098-SO-050-01
Sample Type	N	N	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.19	< 0.19	< 0.19	< 0.2	< 0.18	< 0.19
2-Methylnaphthalene	< 0.24	< 0.22	< 0.22	< 0.22	< 0.23	< 0.23	< 0.23	< 0.24	< 0.22	< 0.23
Acenaphthene	< 0.16	**0.083**	< 0.14	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16	**0.12**	< 0.15
Acenaphthylene	< 0.16	**0.059**	**0.042**	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16	< 0.14	< 0.15
Anthracene	< 0.12	**0.22**	**0.1**	< 0.11	< 0.12	**0.043**	**0.13**	< 0.12	**0.29**	**0.036**
Benzo(a)anthracene	< 0.12	**0.72**	**0.38**	< 0.11	< 0.12	**0.18**	**0.92**	< 0.12	**0.68**	**0.16**
Benzo(a)pyrene	< 0.16	**0.71**	**0.36**	< 0.15	< 0.15	**0.16**	**0.98**	< 0.16	**0.6**	**0.15**
Benzo(b)fluoranthene	< 0.12	**0.92**	**0.48**	< 0.11	< 0.12	**0.21**	**1.1**	< 0.12	**0.75**	**0.18**
Benzo(g,h,i)perylene	< 0.16	**0.45**	**0.24**	< 0.15	< 0.15	**0.11**	**0.62**	< 0.16	**0.36**	**0.096**
Benzo(k)fluoranthene	< 0.12	**0.41**	**0.17**	< 0.11	< 0.12	**0.084**	**0.31**	< 0.12	**0.29**	**0.08**
Chrysene	< 0.12	**0.73**	**0.38**	< 0.11	< 0.12	**0.16**	**0.96**	< 0.12	**0.6**	**0.14**
Dibenz(a,h)anthracene	< 0.12	**0.12**	**0.059**	< 0.11	< 0.12	< 0.11	**0.14**	< 0.12	**0.1**	< 0.11
Fluoranthene	**0.075**	**1.4**	**0.66**	< 0.11	**0.056**	**0.41**	**1.5**	< 0.12	**1.6**	**0.28**
Fluorene	< 0.2	**0.07**	< 0.18	< 0.18	< 0.19	< 0.19	< 0.19	< 0.2	**0.11**	< 0.19
Indeno(1,2,3-cd)pyrene	< 0.16	**0.5**	**0.24**	< 0.15	< 0.15	**0.11**	**0.6**	< 0.16	**0.42**	**0.11**
Naphthalene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.19	< 0.19	**0.066**	< 0.2	< 0.18	< 0.19
Phenanthrene	**0.068**	**0.81**	**0.35**	< 0.11	**0.049**	**0.18**	**0.32**	< 0.12	**1.1**	**0.11**
Pyrene	**0.059**	**1.2**	**0.6**	< 0.11	**0.048**	**0.37**	**2.4**	< 0.12	**1.3**	**0.24**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-098	DP-099	DP-099	DP-099	DP-100	DP-101	DP-101	DP-101	DP-102	DP-102
Sample Date	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015
Sample Name	DP-098-SO-100-01	DP-099-SO-010-01	DP-099-SO-050-01	DP-099-SO-100-01	DP-100-SO-010-01	DP-101-SO-010-01	DP-101-SO-050-01	DP-101-SO-100-01	DP-102-SO-010-01	DP-102-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.2	< 0.19	< 0.19	< 0.19	< 0.35	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
2-Methylnaphthalene	< 0.24	< 0.23	< 0.23	< 0.22	< 0.42	< 0.21	**0.2**	< 0.22	< 0.22	**0.063**
Acenaphthene	< 0.16	< 0.16	< 0.15	< 0.15	**0.22**	< 0.14	**0.42**	< 0.15	< 0.15	**0.22**
Acenaphthylene	< 0.16	**0.047**	< 0.15	< 0.15	**0.18**	< 0.14	**0.37**	< 0.15	< 0.15	**0.26**
Anthracene	**0.043**	**0.065**	< 0.11	< 0.11	**0.7**	**0.039**	**1.1**	< 0.11	**0.047**	**0.61**
Benzo(a)anthracene	**0.093**	**0.36**	**0.05**	< 0.11	**1.6**	**0.12**	**2**	< 0.11	**0.18**	**1.3**
Benzo(a)pyrene	**0.073**	**0.35**	< 0.15	< 0.15	**1.5**	**0.12**	**2**	< 0.15	**0.18**	**1.4**
Benzo(b)fluoranthene	**0.088**	**0.54**	**0.054**	< 0.11	**1.8**	**0.17**	**2.5**	< 0.11	**0.22**	**1.2**
Benzo(g,h,i)perylene	**0.042**	**0.29**	< 0.15	< 0.15	**0.9**	**0.098**	**1.6**	< 0.15	**0.11**	**1.1**
Benzo(k)fluoranthene	< 0.12	**0.23**	< 0.11	< 0.11	**0.8**	**0.061**	**0.87**	< 0.11	**0.08**	**1**
Chrysene	**0.08**	**0.34**	**0.049**	< 0.11	**1.7**	**0.16**	**2.1**	< 0.11	**0.19**	**1.3**
Dibenz(a,h)anthracene	< 0.12	**0.1**	< 0.11	< 0.11	**0.24**	< 0.1	**0.33**	< 0.11	< 0.11	**0.29**
Fluoranthene	**0.22**	**0.46**	**0.098**	< 0.11	**3.5**	**0.22**	**4.4**	< 0.11	**0.31**	**2.9**
Fluorene	< 0.2	< 0.19	< 0.19	< 0.19	**0.17**	< 0.18	**0.43**	< 0.19	< 0.18	**0.26**
Indeno(1,2,3-cd)pyrene	**0.044**	**0.33**	< 0.15	< 0.15	**0.96**	**0.086**	**1.5**	< 0.15	**0.12**	**0.89**
Naphthalene	< 0.2	< 0.19	< 0.19	< 0.19	< 0.35	< 0.18	**0.2**	< 0.19	< 0.18	**0.066**
Phenanthrene	**0.13**	**0.16**	**0.064**	< 0.11	**2.1**	**0.13**	**3.9**	< 0.11	**0.14**	**2.3**
Pyrene	**0.16**	**0.41**	**0.085**	< 0.11	**3.2**	**0.21**	**3.8**	< 0.11	**0.3**	**2.4**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-102	DP-103	DP-103	DP-103	DP-104	DP-105	DP-106	DP-107	DP-107	DP-107
Sample Date	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015
Sample Name	DP-102-SO-100-01	DP-103-SO-010-01	DP-103-SO-050-01	DP-103-SO-100-01	DP-104-SO-010-01	DP-105-SO-050-01	DP-106-SO-010-01	DP-107-SO-010-01	DP-107-SO-050-01	DP-107-SO-050-02
Sample Type	N	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.19	< 0.18	< 0.18	< 0.2	< 0.37	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
2-Methylnaphthalene	**0.18**	**0.46**	< 0.22	< 0.24	< 0.45	< 0.22	< 0.22	< 0.21	< 0.22	< 0.22
Acenaphthene	**0.44**	**0.38**	< 0.15	< 0.16	**0.3**	< 0.15	**0.053**	**0.039**	< 0.15	< 0.15
Acenaphthylene	**0.17**	**1.9**	**0.068**	< 0.16	**0.23**	< 0.15	< 0.14	**0.036**	< 0.15	< 0.15
Anthracene	**0.89**	**2.4**	**0.046**	< 0.12	**1.5**	< 0.11	**0.21**	**0.099**	**0.042**	**0.039**
Benzo(a)anthracene	**1.5**	**5.9**	**0.12**	< 0.12	**4.4**	< 0.11	**0.63**	**0.33**	**0.097**	**0.12**
Benzo(a)pyrene	**1.5**	**4.9**	**0.11**	< 0.16	**4.1**	< 0.15	**0.55**	**0.34**	**0.096**	**0.12**
Benzo(b)fluoranthene	**1.2**	**4.9**	**0.089**	< 0.12	**5.3**	< 0.11	**0.72**	**0.31**	**0.078**	**0.1**
Benzo(g,h,i)perylene	**1**	**2.6**	**0.06**	< 0.16	**2.7**	< 0.15	**0.34**	**0.19**	**0.064**	**0.084**
Benzo(k)fluoranthene	**1.3**	**3.8**	**0.097**	< 0.12	**1.9**	< 0.11	**0.27**	**0.28**	**0.083**	**0.1**
Chrysene	**1.6**	**5.6**	**0.12**	< 0.12	**4.4**	< 0.11	**0.66**	**0.33**	**0.1**	**0.13**
Dibenz(a,h)anthracene	**0.29**	**1.1**	< 0.11	< 0.12	**0.65**	< 0.11	**0.093**	**0.066**	< 0.11	< 0.11
Fluoranthene	**3.8**	**13**	**0.22**	**0.039**	**8.5**	< 0.11	**1.3**	**0.62**	**0.22**	**0.25**
Fluorene	**0.49**	**1.5**	< 0.18	< 0.2	**0.24**	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Indeno(1,2,3-cd)pyrene	**0.82**	**2.7**	**0.058**	< 0.16	**2.8**	< 0.15	**0.35**	**0.18**	**0.053**	**0.065**
Naphthalene	**0.34**	**0.59**	< 0.18	< 0.2	**0.12**	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Phenanthrene	**3.6**	**11**	**0.17**	< 0.12	**4.5**	< 0.11	**0.7**	**0.34**	**0.19**	**0.17**
Pyrene	**3.2**	**11**	**0.19**	**0.042**	**7.9**	< 0.11	**1.2**	**0.53**	**0.19**	**0.22**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-107	DP-108	DP-108	DP-108	DP-108	DP-109	DP-110	DP-110	DP-110	DP-111
Sample Date	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015
Sample Name	DP-107-SO-100-01	DP-108-SO-010-01	DP-108-SO-010-02	DP-108-SO-050-01	DP-108-SO-100-01	DP-109-SO-010-01	DP-110-SO-010-01	DP-110-SO-050-01	DP-110-SO-100-01	DP-111-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.2	< 0.18	< 0.17	< 0.18	< 0.19	< 0.3	< 0.38	< 0.2	< 0.2	< 0.37
2-Methylnaphthalene	< 0.24	< 0.21	< 0.21	< 0.21	< 0.23	< 0.35	**0.44**	< 0.24	< 0.24	**0.14**
Acenaphthene	**0.071**	**0.19**	< 0.14	**0.057**	< 0.15	**0.08**	**0.081**	< 0.16	< 0.16	< 0.29
Acenaphthylene	**0.062**	**0.16**	**0.041**	**0.043**	< 0.15	**0.16**	< 0.3	< 0.16	< 0.16	< 0.29
Anthracene	**0.19**	**0.77**	**0.067**	**0.16**	< 0.11	**0.32**	**0.15**	**0.052**	< 0.12	< 0.22
Benzo(a)anthracene	**0.44**	**2.3**	**0.16**	**0.5**	**0.083**	**0.78**	**0.26**	**0.13**	< 0.12	**0.096**
Benzo(a)pyrene	**0.44**	**2.1**	**0.18**	**0.46**	**0.08**	**0.8**	**0.26**	**0.11**	< 0.16	**0.11**
Benzo(b)fluoranthene	**0.38**	**1.8**	**0.24**	**0.4**	**0.072**	**0.99**	**0.22**	**0.092**	< 0.12	**0.15**
Benzo(g,h,i)perylene	**0.28**	**1.2**	**0.14**	**0.28**	**0.043**	**0.57**	**0.16**	**0.061**	< 0.16	**0.11**
Benzo(k)fluoranthene	**0.33**	**1.8**	**0.16**	**0.4**	**0.066**	**0.41**	**0.22**	**0.1**	< 0.12	**0.12**
Chrysene	**0.47**	**2.1**	**0.24**	**0.51**	**0.086**	**0.74**	**0.31**	**0.12**	< 0.12	**0.21**
Dibenz(a,h)anthracene	**0.082**	**0.48**	**0.048**	**0.099**	< 0.11	**0.16**	< 0.23	< 0.12	< 0.12	< 0.22
Fluoranthene	**0.99**	**4.2**	**0.26**	**0.93**	**0.14**	**1.4**	**0.54**	**0.24**	< 0.12	**0.13**
Fluorene	**0.083**	**0.17**	< 0.17	< 0.18	< 0.19	**0.085**	**0.15**	< 0.2	< 0.2	< 0.37
Indeno(1,2,3-cd)pyrene	**0.23**	**1.1**	**0.12**	**0.24**	**0.042**	**0.5**	**0.14**	**0.058**	< 0.16	**0.082**
Naphthalene	< 0.2	**0.063**	< 0.17	< 0.18	< 0.19	**0.12**	**0.19**	< 0.2	< 0.2	< 0.37
Phenanthrene	**0.87**	**2.4**	**0.11**	**0.66**	**0.076**	**0.9**	**0.58**	**0.19**	< 0.12	**0.15**
Pyrene	**0.85**	**3.5**	**0.25**	**0.81**	**0.12**	**1.3**	**0.5**	**0.2**	< 0.12	**0.14**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-111	DP-111	DP-112	DP-112	DP-112	DP-113	DP-113	DP-113	DP-114	DP-114
Sample Date	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015
Sample Name	DP-111-SO-050-01	DP-111-SO-100-01	DP-112-SO-010-01	DP-112-SO-050-01	DP-112-SO-100-01	DP-113-SO-010-01	DP-113-SO-050-01	DP-113-SO-100-01	DP-114-SO-010-01	DP-114-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.22	< 0.2	< 0.19	< 0.19	< 0.2	< 0.36	< 0.19	< 0.2	< 0.36	< 0.18
2-Methylnaphthalene	< 0.26	< 0.24	< 0.22	< 0.23	< 0.24	**0.13**	< 0.22	< 0.24	< 0.44	< 0.22
Acenaphthene	< 0.17	< 0.16	< 0.15	< 0.15	< 0.16	< 0.28	**0.053**	< 0.16	**0.64**	< 0.15
Acenaphthylene	**0.045**	< 0.16	**0.064**	**0.054**	< 0.16	< 0.28	< 0.15	< 0.16	**0.19**	< 0.15
Anthracene	**0.14**	< 0.12	**0.15**	**0.054**	**0.072**	< 0.21	**0.44**	< 0.12	**2.7**	< 0.11
Benzo(a)anthracene	**0.24**	**0.11**	**0.54**	**0.15**	**0.2**	< 0.21	**1.4**	< 0.12	**4.9**	**0.041**
Benzo(a)pyrene	**0.17**	**0.094**	**0.39**	**0.18**	**0.2**	< 0.28	**1.2**	< 0.16	**4.2**	**0.047**
Benzo(b)fluoranthene	**0.15**	**0.079**	**0.38**	**0.15**	**0.16**	**0.083**	**1.3**	< 0.12	**3.7**	**0.04**
Benzo(g,h,i)perylene	**0.075**	**0.045**	**0.21**	**0.13**	**0.1**	< 0.28	**0.73**	< 0.16	**2.2**	< 0.15
Benzo(k)fluoranthene	**0.14**	**0.089**	**0.34**	**0.14**	**0.15**	< 0.21	**0.93**	< 0.12	**3.3**	**0.035**
Chrysene	**0.21**	**0.1**	**0.54**	**0.15**	**0.2**	**0.14**	**1.3**	< 0.12	**4.3**	**0.042**
Dibenz(a,h)anthracene	< 0.13	< 0.12	**0.083**	< 0.11	< 0.12	< 0.21	**0.26**	< 0.12	**0.91**	< 0.11
Fluoranthene	**0.51**	**0.17**	**1**	**0.23**	**0.37**	**0.11**	**3.3**	< 0.12	**10**	**0.066**
Fluorene	**0.073**	< 0.2	< 0.19	< 0.19	< 0.2	< 0.36	**0.096**	< 0.2	**0.7**	< 0.18
Indeno(1,2,3-cd)pyrene	**0.082**	**0.045**	**0.2**	**0.11**	**0.1**	< 0.28	**0.7**	< 0.16	**2.3**	< 0.15
Naphthalene	< 0.22	< 0.2	< 0.19	< 0.19	< 0.2	< 0.36	< 0.19	< 0.2	**0.12**	< 0.18
Phenanthrene	**0.54**	**0.062**	**0.33**	**0.12**	**0.24**	**0.13**	**1.8**	< 0.12	**8**	**0.051**
Pyrene	**0.39**	**0.14**	**0.85**	**0.21**	**0.31**	**0.12**	**2.4**	< 0.12	**8.3**	**0.055**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-114	DP-115	DP-115	DP-115	DP-115	DP-115	DP-115	DP-116	DP-116	DP-116
Sample Date	07/20/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015
Sample Name	DP-114-SO-100-01	DP-115-SO-010-01	DP-115-SO-010-02	DP-115-SO-050-01	DP-115-SO-050-02	DP-115-SO-100-01	DP-115-SO-100-02	DP-116-SO-010-01	DP-116-SO-050-01	DP-116-SO-100-01
Sample Type	N	N	FD	N	FD	N	FD	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.2	< 0.18	< 0.18	< 0.19	< 0.19	< 0.21	< 0.21	< 0.38	< 0.19	< 0.2
2-Methylnaphthalene	< 0.24	< 0.22	< 0.21	< 0.23	< 0.23	< 0.25	< 0.25	< 0.46	< 0.23	< 0.24
Acenaphthene	< 0.16	**0.074**	**0.047**	< 0.15	< 0.15	< 0.17	< 0.16	**0.093**	**0.14**	< 0.16
Acenaphthylene	< 0.16	**0.049**	< 0.14	< 0.15	< 0.15	< 0.17	< 0.16	**0.073**	**0.087**	< 0.16
Anthracene	< 0.12	**0.24**	**0.11**	< 0.11	< 0.11	< 0.12	< 0.12	**0.37**	**0.42**	< 0.12
Benzo(a)anthracene	**0.14**	**0.56**	**0.3**	< 0.11	< 0.11	< 0.12	< 0.12	**0.8**	**0.94**	**0.064**
Benzo(a)pyrene	**0.13**	**0.47**	**0.27**	< 0.15	< 0.15	< 0.17	< 0.16	**0.66**	**0.82**	**0.065**
Benzo(b)fluoranthene	**0.11**	**0.66**	**0.37**	< 0.11	< 0.11	< 0.12	< 0.12	**0.86**	**1.2**	**0.086**
Benzo(g,h,i)perylene	**0.064**	**0.28**	**0.19**	< 0.15	< 0.15	< 0.17	< 0.16	**0.36**	**0.51**	< 0.16
Benzo(k)fluoranthene	**0.12**	**0.27**	**0.15**	< 0.11	< 0.11	< 0.12	< 0.12	**0.34**	**0.4**	< 0.12
Chrysene	**0.14**	**0.56**	**0.31**	< 0.11	< 0.11	< 0.12	< 0.12	**0.82**	**0.94**	**0.069**
Dibenz(a,h)anthracene	< 0.12	**0.088**	**0.05**	< 0.11	< 0.11	< 0.12	< 0.12	**0.11**	**0.14**	< 0.12
Fluoranthene	**0.26**	**1.1**	**0.61**	< 0.11	< 0.11	< 0.12	**0.039**	**1.6**	**2.6**	**0.083**
Fluorene	< 0.2	**0.1**	< 0.18	< 0.19	< 0.19	< 0.21	< 0.21	< 0.38	**0.14**	< 0.2
Indeno(1,2,3-cd)pyrene	**0.061**	**0.3**	**0.19**	< 0.15	< 0.15	< 0.17	< 0.16	**0.4**	**0.55**	< 0.16
Naphthalene	< 0.2	**0.062**	< 0.18	< 0.19	< 0.19	< 0.21	< 0.21	< 0.38	< 0.19	< 0.2
Phenanthrene	**0.14**	**0.83**	**0.42**	< 0.11	< 0.11	< 0.12	< 0.12	**1.1**	**2.1**	< 0.12
Pyrene	**0.22**	**0.95**	**0.53**	< 0.11	< 0.11	< 0.12	< 0.12	**1.4**	**2**	**0.079**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-117	DP-117	DP-117	DP-118	DP-118	DP-118	DP-118	DP-119	DP-119	DP-119
Sample Date	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015
Sample Name	DP-117-SO-010-01	DP-117-SO-050-01	DP-117-SO-100-01	DP-118-SO-010-01	DP-118-SO-010-02	DP-118-SO-050-01	DP-118-SO-100-01	DP-119-SO-010-01	DP-119-SO-050-01	DP-119-SO-100-01
Sample Type	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.75	< 0.19	< 0.2	< 0.36	< 0.38	< 0.19	< 0.19	< 0.35	< 0.19	< 0.65
2-Methylnaphthalene	< 0.9	< 0.23	< 0.24	< 0.43	**0.13**	< 0.22	< 0.23	**0.59**	< 0.23	< 0.78
Acenaphthene	< 0.6	< 0.15	< 0.16	< 0.29	< 0.3	< 0.15	< 0.15	< 0.28	< 0.15	**0.13**
Acenaphthylene	< 0.6	< 0.15	< 0.16	< 0.29	< 0.3	< 0.15	< 0.15	< 0.28	**0.1**	< 0.52
Anthracene	< 0.45	< 0.11	< 0.12	**0.09**	**0.083**	< 0.11	< 0.12	**0.17**	**0.18**	< 0.39
Benzo(a)anthracene	**0.2**	**0.083**	< 0.12	**0.24**	**0.23**	**0.049**	< 0.12	**0.26**	**0.75**	**0.13**
Benzo(a)pyrene	< 0.6	**0.078**	< 0.16	**0.22**	**0.21**	< 0.15	< 0.15	**0.24**	**0.7**	< 0.52
Benzo(b)fluoranthene	**0.25**	**0.097**	< 0.12	**0.31**	**0.29**	**0.057**	< 0.12	**0.32**	**0.89**	**0.2**
Benzo(g,h,i)perylene	< 0.6	**0.046**	< 0.16	**0.16**	**0.18**	< 0.15	< 0.15	**0.2**	**0.4**	< 0.52
Benzo(k)fluoranthene	< 0.45	**0.044**	< 0.12	**0.093**	**0.098**	< 0.11	< 0.12	**0.11**	**0.34**	< 0.39
Chrysene	**0.37**	**0.092**	< 0.12	**0.3**	**0.38**	**0.053**	< 0.12	**0.39**	**0.72**	**0.19**
Dibenz(a,h)anthracene	< 0.45	< 0.11	< 0.12	< 0.22	< 0.23	< 0.11	< 0.12	< 0.21	**0.12**	< 0.39
Fluoranthene	**0.36**	**0.15**	**0.051**	**0.47**	**0.43**	**0.095**	< 0.12	**0.58**	**1.1**	**0.39**
Fluorene	< 0.75	< 0.19	< 0.2	< 0.36	< 0.38	< 0.19	< 0.19	< 0.35	**0.055**	< 0.65
Indeno(1,2,3-cd)pyrene	< 0.6	**0.05**	< 0.16	**0.14**	< 0.3	< 0.15	< 0.15	< 0.28	**0.48**	< 0.52
Naphthalene	< 0.75	< 0.19	< 0.2	< 0.36	< 0.38	< 0.19	< 0.19	**0.21**	< 0.19	< 0.65
Phenanthrene	**0.26**	**0.09**	< 0.12	**0.47**	**0.38**	**0.047**	< 0.12	**0.8**	**0.52**	**0.32**
Pyrene	**0.37**	**0.14**	**0.046**	**0.44**	**0.49**	**0.077**	< 0.12	**0.57**	**0.94**	**0.31**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-120	DP-120	DP-120	DP-121	DP-121	DP-121	DP-122	DP-122	DP-122	DP-123
Sample Date	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015
Sample Name	DP-120-SO-010-01	DP-120-SO-050-01	DP-120-SO-100-01	DP-121-SO-010-01	DP-121-SO-050-01	DP-121-SO-100-01	DP-122-SO-010-01	DP-122-SO-050-01	DP-122-SO-100-01	DP-123-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.36	< 0.2	< 0.2	< 0.18	< 0.19	< 0.19	< 0.71	< 0.77	< 0.19	< 0.18
2-Methylnaphthalene	< 0.43	< 0.23	< 0.24	< 0.22	< 0.23	< 0.23	< 0.85	**0.55**	< 0.23	< 0.22
Acenaphthene	< 0.29	< 0.16	< 0.16	**0.1**	< 0.15	< 0.15	< 0.57	**1.1**	< 0.16	< 0.14
Acenaphthylene	< 0.29	< 0.16	< 0.16	< 0.14	< 0.15	< 0.15	< 0.57	**2**	< 0.16	< 0.14
Anthracene	< 0.22	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11	< 0.43	**5.5**	< 0.12	< 0.11
Benzo(a)anthracene	< 0.22	< 0.12	< 0.12	**0.036**	**0.047**	< 0.11	< 0.43	**6.9**	< 0.12	**0.074**
Benzo(a)pyrene	< 0.29	< 0.16	< 0.16	< 0.14	< 0.15	< 0.15	< 0.57	**5.5**	< 0.16	**0.064**
Benzo(b)fluoranthene	< 0.22	< 0.12	< 0.12	**0.043**	**0.045**	< 0.11	< 0.43	**6.9**	< 0.12	**0.088**
Benzo(g,h,i)perylene	< 0.29	< 0.16	< 0.16	< 0.14	< 0.15	< 0.15	< 0.57	**3.3**	< 0.16	**0.045**
Benzo(k)fluoranthene	< 0.22	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11	< 0.43	**2.8**	< 0.12	**0.039**
Chrysene	< 0.22	< 0.12	< 0.12	**0.047**	**0.048**	< 0.11	**0.14**	**5.9**	< 0.12	**0.077**
Dibenz(a,h)anthracene	< 0.22	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11	< 0.43	**1.1**	< 0.12	< 0.11
Fluoranthene	< 0.22	**0.037**	< 0.12	**0.084**	**0.099**	**0.062**	< 0.43	**13**	**0.046**	**0.15**
Fluorene	< 0.36	< 0.2	< 0.2	< 0.18	< 0.19	< 0.19	< 0.71	**3.8**	< 0.19	< 0.18
Indeno(1,2,3-cd)pyrene	< 0.29	< 0.16	< 0.16	< 0.14	< 0.15	< 0.15	< 0.57	**3.2**	< 0.16	< 0.14
Naphthalene	< 0.36	< 0.2	< 0.2	< 0.18	< 0.19	< 0.19	< 0.71	**0.92**	< 0.19	< 0.18
Phenanthrene	< 0.22	**0.049**	< 0.12	**0.11**	**0.058**	**0.076**	**0.16**	**15**	< 0.12	**0.046**
Pyrene	< 0.22	< 0.12	< 0.12	**0.072**	**0.084**	**0.053**	< 0.43	**11**	**0.039**	**0.13**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-123	DP-123	DP-124	DP-124	DP-124	DP-125	DP-125	DP-125	DP-125	DP-126
Sample Date	07/21/2015	07/21/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015
Sample Name	DP-123-SO-050-01	DP-123-SO-100-01	DP-124-SO-010-01	DP-124-SO-050-01	DP-124-SO-100-01	DP-125-SO-010-01	DP-125-SO-050-01	DP-125-SO-100-01	DP-125-SO-100-02	DP-126-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.19	< 0.2	< 1.8	< 0.19	< 0.2	< 1.8	< 0.2	< 0.2	< 0.2	< 1.9
2-Methylnaphthalene	< 0.23	< 0.23	**0.66**	**0.12**	< 0.23	< 2.2	**0.074**	< 0.24	< 0.24	< 2.2
Acenaphthene	**0.16**	< 0.16	< 1.4	**0.3**	< 0.16	< 1.5	**0.33**	**0.049**	< 0.16	< 1.5
Acenaphthylene	**0.13**	< 0.16	< 1.4	**0.19**	< 0.16	< 1.5	**0.32**	< 0.16	< 0.16	< 1.5
Anthracene	**0.48**	< 0.12	< 1.1	**0.88**	**0.043**	< 1.1	**1**	**0.07**	**0.046**	< 1.1
Benzo(a)anthracene	**1**	< 0.12	< 1.1	**1.3**	**0.12**	< 1.1	**1.5**	**0.098**	**0.062**	< 1.1
Benzo(a)pyrene	**0.78**	< 0.16	< 1.4	**1.1**	**0.1**	< 1.5	**1.3**	**0.088**	**0.054**	< 1.5
Benzo(b)fluoranthene	**1.3**	< 0.12	< 1.1	**1.4**	**0.11**	< 1.1	**1.7**	**0.12**	**0.072**	**0.39**
Benzo(g,h,i)perylene	**0.52**	< 0.16	< 1.4	**0.68**	**0.045**	< 1.5	**0.77**	**0.048**	< 0.16	< 1.5
Benzo(k)fluoranthene	**0.4**	< 0.12	< 1.1	**0.61**	**0.046**	< 1.1	**0.58**	< 0.12	< 0.12	< 1.1
Chrysene	**1.2**	< 0.12	< 1.1	**1.3**	**0.11**	< 1.1	**1.4**	**0.097**	**0.057**	**0.38**
Dibenz(a,h)anthracene	**0.18**	< 0.12	< 1.1	**0.18**	< 0.12	< 1.1	**0.24**	< 0.12	< 0.12	< 1.1
Fluoranthene	**1.8**	**0.053**	**0.35**	**2.9**	**0.18**	**0.42**	**2.9**	**0.25**	**0.16**	**0.72**
Fluorene	**0.36**	< 0.2	< 1.8	**0.59**	< 0.2	< 1.8	**0.54**	**0.06**	< 0.2	< 1.9
Indeno(1,2,3-cd)pyrene	**0.46**	< 0.16	< 1.4	**0.6**	< 0.16	< 1.5	**0.7**	**0.048**	< 0.16	< 1.5
Naphthalene	**0.088**	< 0.2	< 1.8	**0.3**	< 0.2	< 1.8	**0.17**	< 0.2	< 0.2	< 1.9
Phenanthrene	**1.3**	**0.043**	**0.43**	**2.6**	**0.074**	**0.47**	**2.7**	**0.28**	**0.18**	**0.84**
Pyrene	**1.6**	**0.042**	**0.35**	**2.4**	**0.19**	**0.39**	**2.5**	**0.19**	**0.12**	**0.65**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-126	DP-126	DP-134	DP-136	DP-138	DP-146	DP-147	DP-147	DP-147	DP-147
Sample Date	07/22/2015	07/22/2015	07/22/2015	07/23/2015	07/23/2015	07/23/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015
Sample Name	DP-126-SO-050-01	DP-126-SO-100-01	DP-134-SO-010-01	DP-136-SO-010-01	DP-138-SO-100-01	DP-146-SO-010-01	DP-147-SO-010-01	DP-147-SO-050-01	DP-147-SO-050-02	DP-147-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.18	< 0.2	< 0.18	< 0.37	< 0.98	< 0.19	< 0.18	< 0.18	< 0.18	< 0.2
2-Methylnaphthalene	< 0.22	< 0.24	< 0.22	**0.15**	**7.7**	< 0.23	< 0.22	**0.61**	< 0.22	< 0.24
Acenaphthene	**0.048**	< 0.16	< 0.15	< 0.3	**24**	< 0.15	**0.06**	**1.4**	< 0.15	< 0.16
Acenaphthylene	**0.034**	< 0.16	**0.11**	< 0.3	**0.64**	< 0.15	**0.11**	**0.56**	< 0.15	< 0.16
Anthracene	**0.14**	< 0.12	**0.091**	< 0.22	**52**	**0.048**	**0.19**	**4.1**	**0.1**	**0.046**
Benzo(a)anthracene	**0.24**	< 0.12	**0.16**	**0.14**	**96**	**0.088**	**0.55**	**9.4**	**0.29**	**0.1**
Benzo(a)pyrene	**0.19**	< 0.16	**0.21**	**0.18**	**76**	**0.091**	**0.56**	**8.5**	**0.28**	**0.1**
Benzo(b)fluoranthene	**0.4**	< 0.12	**0.2**	**0.23**	**98**	**0.18**	**0.44**	**10**	**0.34**	**0.081**
Benzo(g,h,i)perylene	**0.13**	< 0.16	**0.17**	**0.16**	**41**	**0.093**	**0.36**	**6.5**	**0.18**	**0.077**
Benzo(k)fluoranthene	**0.14**	< 0.12	**0.15**	**0.083**	**20**	**0.052**	**0.5**	**7**	**0.14**	**0.086**
Chrysene	**0.39**	< 0.12	**0.24**	**0.17**	**100**	**0.13**	**0.56**	**10**	**0.32**	**0.12**
Dibenz(a,h)anthracene	**0.046**	< 0.12	**0.05**	< 0.22	**12**	< 0.11	**0.13**	**2.7**	**0.04**	< 0.12
Fluoranthene	**0.5**	**0.04**	**0.24**	**0.19**	**180**	**0.15**	**0.94**	**23**	**0.73**	**0.19**
Fluorene	**0.084**	< 0.2	< 0.18	< 0.37	**23**	< 0.19	**0.059**	**1.4**	< 0.18	< 0.2
Indeno(1,2,3-cd)pyrene	**0.13**	< 0.16	**0.13**	**0.15**	**46**	**0.088**	**0.32**	**5.6**	**0.18**	**0.057**
Naphthalene	**0.098**	< 0.2	< 0.18	< 0.37	**8.9**	< 0.19	< 0.18	**1.3**	< 0.18	< 0.2
Phenanthrene	**0.35**	< 0.12	**0.094**	**0.11**	**170**	**0.038**	**0.58**	**19**	**0.52**	**0.15**
Pyrene	**0.42**	< 0.12	**0.5**	**0.19**	**170**	**0.15**	**0.92**	**20**	**0.63**	**0.17**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-148	DP-148	DP-148	DP-149	DP-149	DP-149	DP-150	DP-150	DP-150	DP-150	DP-151
Sample Date	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/20/2016
Sample Name	DP-148-SO-010-01	DP-148-SO-050-01	DP-148-SO-100-01	DP-149-SO-010-01	DP-149-SO-050-01	DP-149-SO-100-01	DP-150-SO-010-01	DP-150-SO-050-01	DP-150-SO-100-01	DP-150-SO-100-01	DP-151-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	1 (ft)
Semi-Volatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.36	< 0.19	< 0.2	< 0.18	< 0.18	< 0.2	< 0.18	< 0.19	< 0.2	< 0.2	< 0.2
2-Methylnaphthalene	< 0.44	< 0.23	**0.067**	< 0.22	**0.07**	< 0.24	< 0.22	< 0.22	< 0.24	< 0.24	**0.027**
Acenaphthene	< 0.29	< 0.16	**0.16**	**0.054**	**0.2**	**0.12**	< 0.14	< 0.15	< 0.16	< 0.16	**0.07**
Acenaphthylene	< 0.29	< 0.16	**0.1**	**0.57**	**0.23**	**0.13**	**0.047**	< 0.15	< 0.16	< 0.16	**0.036**
Anthracene	**0.083**	**0.057**	**0.5**	**0.44**	**0.59**	**0.32**	**0.049**	**0.035**	< 0.12	< 0.12	**0.23**
Benzo(a)anthracene	**0.37**	**0.17**	**1**	**2**	**1.4**	**0.76**	**0.19**	**0.14**	< 0.12	< 0.12	**0.44**
Benzo(a)pyrene	**0.38**	**0.18**	**1**	**1.9**	**1.4**	**0.76**	**0.21**	**0.14**	< 0.16	< 0.16	**0.28**
Benzo(b)fluoranthene	**0.32**	**0.17**	**0.98**	**1.8**	**1.2**	**0.62**	**0.26**	**0.18**	< 0.12	< 0.12	**0.35**
Benzo(g,h,i)perylene	**0.23**	**0.11**	**0.72**	**1**	**0.96**	**0.59**	**0.14**	**0.085**	< 0.16	< 0.16	**0.14**
Benzo(k)fluoranthene	**0.32**	**0.12**	**0.68**	**1.6**	**1.1**	**0.64**	**0.092**	**0.073**	< 0.12	< 0.12	**0.16**
Chrysene	**0.38**	**0.18**	**1.1**	**1.8**	**1.4**	**0.77**	**0.22**	**0.14**	< 0.12	< 0.12	**0.4**
Dibenz(a,h)anthracene	**0.11**	**0.046**	**0.23**	**0.43**	**0.32**	**0.18**	**0.035**	< 0.11	< 0.12	< 0.12	**0.041**
Fluoranthene	**0.64**	**0.37**	**2.3**	**3.2**	**2.8**	**1.7**	**0.34**	**0.27**	**0.039**	**0.039**	**0.9**
Fluorene	< 0.36	< 0.19	**0.23**	< 0.18	**0.2**	**0.13**	< 0.18	< 0.19	< 0.2	< 0.2	**0.076**
Indeno(1,2,3-cd)pyrene	**0.21**	**0.096**	**0.52**	**1**	**0.82**	**0.44**	**0.13**	**0.092**	< 0.16	< 0.16	**0.17**
Naphthalene	< 0.36	< 0.19	**0.12**	< 0.18	**0.099**	**0.077**	< 0.18	< 0.19	< 0.2	< 0.2	**0.032**
Phenanthrene	**0.3**	**0.28**	**2.1**	**1**	**2.2**	**1.3**	**0.16**	**0.11**	< 0.12	< 0.12	**1.1**
Pyrene	**0.54**	**0.33**	**2**	**2.7**	**2.4**	**1.4**	**0.34**	**0.25**	< 0.12	< 0.12	**0.76**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-151	DP-151	DP-152	DP-152	DP-152	DP-153	DP-153	DP-153	DP-154	DP-154
Sample Date	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/21/2016	07/21/2016
Sample Name	DP-151-SO-050-01	DP-151-SO-100-01	DP-152-SO-010-01	DP-152-SO-050-01	DP-152-SO-100-01	DP-153-SO-010-01	DP-153-SO-050-01	DP-153-SO-100-01	DP-154-SO-010-01	DP-154-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 1	< 0.26	< 1	< 0.4
2-Methylnaphthalene	< 0.24	**0.52**	< 0.23	< 0.23	< 0.22	< 0.23	**0.36**	< 0.32	**0.38**	**3.1**
Acenaphthene	**0.048**	**1**	< 0.16	< 0.15	< 0.15	< 0.15	**3.5**	< 0.21	**1.2**	**1.4**
Acenaphthylene	< 0.16	**0.35**	< 0.16	< 0.15	< 0.15	< 0.15	< 0.84	< 0.21	< 0.83	**1.1**
Anthracene	**0.12**	**2.4**	< 0.12	< 0.11	< 0.11	< 0.12	**7.5**	< 0.16	**2.8**	**1**
Benzo(a)anthracene	**0.26**	**4.6**	< 0.12	< 0.11	< 0.11	< 0.12	**16**	**0.059**	**6.1**	**2.1**
Benzo(a)pyrene	**0.21**	**3.2**	< 0.16	< 0.15	< 0.15	< 0.15	**12**	< 0.21	**4.6**	**1.7**
Benzo(b)fluoranthene	**0.26**	**4.1**	< 0.12	< 0.11	< 0.11	< 0.12	**15**	**0.058**	**6**	**2.5**
Benzo(g,h,i)perylene	**0.13**	**1.5**	< 0.16	< 0.15	< 0.15	< 0.15	**7.1**	**0.033**	**2.6**	**1.3**
Benzo(k)fluoranthene	**0.078**	**1.4**	< 0.12	< 0.11	< 0.11	< 0.12	**5.6**	< 0.16	**2.3**	**0.96**
Chrysene	**0.23**	**4.2**	< 0.12	< 0.11	< 0.11	< 0.12	**14**	**0.049**	**5.7**	**2.2**
Dibenz(a,h)anthracene	< 0.12	**0.58**	< 0.12	< 0.11	< 0.11	< 0.12	**2.2**	< 0.16	**0.8**	**0.36**
Fluoranthene	**0.54**	**7.8**	< 0.12	< 0.11	< 0.11	< 0.12	**36**	**0.15**	**14**	**4.2**
Fluorene	**0.042**	**1.1**	< 0.19	< 0.19	< 0.19	< 0.19	**3.1**	< 0.26	**1.4**	**2.4**
Indeno(1,2,3-cd)pyrene	**0.13**	**2.1**	< 0.16	< 0.15	< 0.15	< 0.15	**8.9**	< 0.21	**2.7**	**1.3**
Naphthalene	< 0.2	**0.74**	< 0.19	< 0.19	< 0.19	< 0.19	**0.42**	< 0.26	**0.51**	**2.2**
Phenanthrene	**0.44**	**8.1**	< 0.12	< 0.11	< 0.11	< 0.12	**22**	**0.14**	**9.5**	**5.6**
Pyrene	**0.43**	**6.5**	< 0.12	< 0.11	< 0.11	< 0.12	**28**	**0.12**	**12**	**4.1**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-154	DP-155	DP-155	DP-155	DP-156	DP-156	DP-156	DP-156	DP-156	DP-157
Sample Date	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016
Sample Name	DP-154-SO-100-01	DP-155-SO-010-01	DP-155-SO-050-01	DP-155-SO-100-01	DP-156-SO-010-01	DP-156-SO-050-01	DP-156-SO-100-01	DP-156-SO-050-02	DP-156-SO-100-02	DP-157-SO-010-01
Sample Type	N	N	N	N	N	N	N	FD	FD	N
Sample Depth (bgs)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	5 (ft)	10 (ft)	1 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.21	< 0.19	< 0.19	< 0.19	< 0.41	< 0.44	< 0.27	< 0.4	< 0.22	< 0.37
2-Methylnaphthalene	**0.19**	**0.096**	**0.2**	< 0.23	**0.052**	**7.7**	< 0.32	**0.5**	< 0.26	**2.7**
Acenaphthene	**0.12**	< 0.15	**0.24**	< 0.15	**0.15**	**8.7**	**0.056**	**0.54**	< 0.18	**8.1**
Acenaphthylene	**0.11**	**0.11**	**0.048**	< 0.15	**0.11**	**0.25**	< 0.21	**0.09**	< 0.18	**0.23**
Anthracene	**0.36**	**0.12**	**0.45**	< 0.11	**0.44**	**0.93**	< 0.16	**1.4**	< 0.13	**16**
Benzo(a)anthracene	**1.4**	**0.22**	**0.88**	**0.03**	**1.1**	**2.3**	**0.058**	**2.8**	**0.1**	**22**
Benzo(a)pyrene	**1.4**	**0.26**	**0.73**	**0.051**	**0.94**	**2**	**0.092**	**2.3**	**0.08**	**16**
Benzo(b)fluoranthene	**1.7**	**0.33**	**0.95**	< 0.11	**1.2**	**2.5**	**0.075**	**2.8**	**0.12**	**18**
Benzo(g,h,i)perylene	**0.97**	**0.23**	**0.46**	< 0.15	**0.57**	**1.2**	**0.046**	**1.3**	**0.083**	**11**
Benzo(k)fluoranthene	**0.62**	**0.098**	**0.35**	< 0.11	**0.41**	**0.89**	< 0.16	**1.1**	**0.043**	**7.2**
Chrysene	**1.4**	**0.25**	**0.82**	**0.021**	**1**	**2.1**	**0.051**	**2.5**	**0.087**	**19**
Dibenz(a,h)anthracene	**0.22**	**0.052**	**0.12**	< 0.11	**0.19**	**0.36**	< 0.16	**0.36**	< 0.13	**3.2**
Fluoranthene	**3.1**	**0.47**	**2.1**	**0.055**	**2.6**	**4.8**	**0.091**	**6.7**	**0.18**	**50**
Fluorene	**0.12**	**0.054**	**0.32**	< 0.19	**0.15**	**4.6**	< 0.27	**0.48**	< 0.22	**9.4**
Indeno(1,2,3-cd)pyrene	**1**	**0.2**	**0.48**	**0.054**	**0.63**	**1.3**	**0.097**	**1.4**	**0.082**	**12**
Naphthalene	**0.1**	**0.11**	**0.13**	< 0.19	**0.073**	**14**	< 0.27	**4**	< 0.22	**2.9**
Phenanthrene	**1.5**	**0.32**	**1.6**	**0.042**	**1.5**	**3.7**	**0.046**	**4.8**	**0.13**	**56**
Pyrene	**2.7**	**0.49**	**1.8**	**0.045**	**2.2**	**4**	**0.084**	**5.4**	**0.17**	**39**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-157	DP-157	DP-158	DP-158	DP-158	DP-160	DP-160	DP-160	DP-161	DP-161
Sample Date	07/21/2016	07/21/2016	07/20/2016	07/20/2016	07/20/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016
Sample Name	DP-157-SO-050-01	DP-157-SO-100-01	DP-158-SO-010-01	DP-158-SO-050-01	DP-158-SO-100-01	DP-160-SO-010-01	DP-160-SO-050-01	DP-160-SO-100-01	DP-161-SO-010-01	DP-161-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	< 0.2	< 0.2	< 0.2	< 1.5	< 0.97	< 0.2	< 0.41	< 2	< 0.21	< 0.2
2-Methylnaphthalene	< 0.24	**0.16**	< 0.24	< 1.8	**0.21**	< 0.24	**0.22**	**0.64**	< 0.25	< 0.24
Acenaphthene	< 0.16	**0.46**	< 0.16	**0.19**	**0.2**	**0.042**	**0.89**	**2.3**	< 0.17	< 0.16
Acenaphthylene	< 0.16	< 0.16	< 0.16	< 1.2	**0.22**	< 0.16	**0.16**	**0.4**	**0.23**	< 0.16
Anthracene	< 0.12	**1**	< 0.12	**0.43**	**0.76**	**0.093**	**2.9**	**11**	**0.072**	< 0.12
Benzo(a)anthracene	< 0.12	**2**	**0.1**	**0.97**	**1.4**	**0.16**	**8.1**	**14**	**0.3**	**0.069**
Benzo(a)pyrene	< 0.16	**1.5**	**0.1**	**1.3**	**1.5**	**0.13**	**8.4**	**13**	**0.44**	**0.071**
Benzo(b)fluoranthene	< 0.12	**2.2**	**0.14**	**1.8**	**1.9**	**0.17**	**12**	**15**	**0.55**	**0.085**
Benzo(g,h,i)perylene	< 0.16	**0.89**	**0.089**	**1.1**	**0.83**	**0.077**	**6.2**	**7.8**	**0.31**	**0.046**
Benzo(k)fluoranthene	< 0.12	**0.72**	**0.049**	**0.57**	**0.63**	**0.061**	**3.7**	**5.5**	**0.2**	**0.036**
Chrysene	< 0.12	**1.9**	**0.096**	**0.85**	**1.5**	**0.14**	**7.8**	**13**	**0.3**	**0.069**
Dibenz(a,h)anthracene	< 0.12	**0.3**	< 0.12	< 0.9	**0.26**	< 0.12	**1.3**	**1.9**	**0.079**	< 0.12
Fluoranthene	< 0.12	**4.1**	**0.16**	**1.7**	**3.6**	**0.42**	**17**	**38**	**0.3**	**0.12**
Fluorene	< 0.2	**0.51**	< 0.2	**0.19**	**0.32**	**0.058**	**1.2**	**3.7**	< 0.21	< 0.2
Indeno(1,2,3-cd)pyrene	**0.047**	**0.91**	**0.099**	**1.1**	**0.96**	**0.088**	**6**	**8.4**	**0.35**	**0.048**
Naphthalene	< 0.2	**0.39**	< 0.2	< 1.5	**0.5**	< 0.2	**0.46**	**0.85**	< 0.21	< 0.2
Phenanthrene	< 0.12	**3.8**	**0.063**	**1.3**	**2.9**	**0.38**	**8.6**	**31**	**0.069**	**0.06**
Pyrene	< 0.12	**3.2**	**0.15**	**1.5**	**3.1**	**0.32**	**14**	**31**	**0.31**	**0.11**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-161	DP-162	DP-162	DP-162	DP-163	DP-163	DP-163	DP-163	DP-163	GSS-603-800-3
Sample Date	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	04/10/2015
Sample Name	DP-161-SO-100-01	DP-162-SO-010-01	DP-162-SO-050-01	DP-162-SO-100-01	DP-163-SO-010-01	DP-163-SO-050-01	DP-163-SO-100-01	DP-163-SO-010-02	DP-163-SO-050-02	GSS-603-800-3-1
Sample Type	N	N	N	N	N	N	N	FD	FD	N
Sample Depth (bgs)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	3.5 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	< 4.28
2-Chloronaphthalene	< 2.3	< 0.2	< 0.2	< 0.2	< 0.19	< 0.96	< 0.24	< 0.19	< 0.39	-
2-Methylnaphthalene	< 2.7	< 0.24	**0.044**	**0.1**	< 0.23	**0.22**	**0.031**	< 0.23	**0.39**	< 4.28
Acenaphthene	< 1.8	< 0.16	**0.066**	**0.51**	**0.021**	**0.99**	**0.032**	**0.022**	**0.5**	< 4.28
Acenaphthylene	< 1.8	< 0.16	**0.09**	< 0.16	**0.035**	**0.19**	< 0.19	**0.084**	**0.12**	< 4.28
Anthracene	< 1.4	< 0.12	**0.2**	**1.2**	**0.1**	**2.7**	**0.11**	**0.16**	**1.6**	< 4.28
Benzo(a)anthracene	< 1.4	**0.064**	**0.56**	**1.5**	**0.4**	**6**	**0.33**	**0.36**	**2.8**	< 4.28
Benzo(a)pyrene	< 1.8	**0.058**	**0.56**	**1.1**	**0.47**	**5**	**0.28**	**0.39**	**2.3**	< 4.28
Benzo(b)fluoranthene	< 1.4	**0.076**	**0.74**	**1.3**	**0.73**	**6.4**	**0.36**	**0.5**	**2.9**	< 4.28
Benzo(g,h,i)perylene	< 1.8	**0.039**	**0.39**	**0.46**	**0.4**	**3**	**0.17**	**0.28**	**1.2**	< 4.28
Benzo(k)fluoranthene	< 1.4	< 0.12	**0.25**	**0.51**	**0.24**	**2.3**	**0.13**	**0.17**	**1.1**	< 4.28
Chrysene	< 1.4	**0.063**	**0.56**	**1.3**	**0.42**	**5.5**	**0.34**	**0.38**	**2.5**	< 4.28
Dibenz(a,h)anthracene	< 1.4	< 0.12	**0.093**	**0.19**	**0.074**	**0.86**	**0.045**	**0.073**	**0.37**	< 4.28
Fluoranthene	**0.46**	**0.13**	**1.2**	**3**	**0.82**	**14**	**0.64**	**0.96**	**6.1**	< 4.28
Fluorene	< 2.3	< 0.2	**0.098**	**0.54**	**0.027**	**0.85**	**0.06**	**0.032**	**0.63**	< 4.28
Indeno(1,2,3-cd)pyrene	< 1.8	**0.042**	**0.4**	**0.58**	**0.38**	**3.1**	**0.18**	**0.3**	**1.3**	< 4.28
Naphthalene	< 2.3	< 0.2	**0.049**	**0.052**	< 0.19	**0.31**	**0.04**	**0.027**	**0.51**	< 4.28
Phenanthrene	< 1.4	**0.056**	**0.72**	**3.4**	**0.33**	**9.6**	**0.4**	**0.74**	**5.2**	< 4.28
Pyrene	**0.63**	**0.11**	**1**	**2.4**	**0.69**	**11**	**0.6**	**0.79**	**4.9**	< 4.28

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – SVOCS AND PAHS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GSS-603-800-3	GTW-605-7-2	GTW-605-802-6	GTW-605-802-7	GTW-605-802-9	GTW-607-13-1	GTW-607-13-2
Sample Date	04/10/2015	09/19/2014	04/09/2015	04/10/2015	04/09/2015	12/05/2013	12/05/2013
Sample Name	GSS-603-800-3-2	GTW-605-7-2-1,2,3,4	GTW-605-802-6-1	GTW-605-802-7-1	GTW-605-802-9-1	GTW607-13-1-3	GTW607-13-2-2
Sample Type	N	N	N	N	N	N	N
Sample Depth (bgs)	8.5 - 10 (ft)	2 (ft)	3 - 5 (ft)	5 - 8 (ft)	3 - 5 (ft)	1 (ft)	5 - 2 (ft)
Semi-Volatile Organic Compounds (mg/kg)							
1-Methylnaphthalene	< 3.91	< 0.406	< 20	< 6.37	< 19.1	< 0.398	< 4.18
2-Chloronaphthalene	-	< 0.406	-	-	-	< 0.398	< 4.18
2-Methylnaphthalene	< 3.91	< 0.406	< 20	< 6.37	< 19.1	< 0.398	< 4.18
Acenaphthene	< 3.91	< 0.406	< 20	< 6.37	< 19.1	< 0.398	< 4.18
Acenaphthylene	< 3.91	< 0.406	< 20	< 6.37	< 19.1	< 0.398	< 4.18
Anthracene	< 3.91	**0.91**	< 20	< 6.37	< 19.1	< 0.398	**4.72**
Benzo(a)anthracene	< 3.91	**1.12**	< 20	< 6.37	< 19.1	< 0.398	**8.62**
Benzo(a)pyrene	< 3.91	**0.858**	< 20	< 6.37	< 19.1	< 0.398	**8.67**
Benzo(b)fluoranthene	< 3.91	**0.646**	< 20	< 6.37	< 19.1	< 0.398	**7.66**
Benzo(g,h,i)perylene	< 3.91	**0.456**	< 20	< 6.37	< 19.1	< 0.398	**5.03**
Benzo(k)fluoranthene	< 3.91	**0.728**	< 20	< 6.37	< 19.1	< 0.398	**6.21**
Chrysene	< 3.91	**1.14**	< 20	< 6.37	< 19.1	< 0.398	**9.86**
Dibenz(a,h)anthracene	< 3.91	< 0.406	< 20	< 6.37	< 19.1	< 0.398	< 4.18
Fluoranthene	< 3.91	**2.61**	< 20	< 6.37	< 19.1	< 0.398	**21**
Fluorene	< 3.91	**0.437**	< 20	< 6.37	< 19.1	< 0.398	< 4.18
Indeno(1,2,3-cd)pyrene	< 3.91	**0.439**	< 20	< 6.37	< 19.1	< 0.398	**4.61**
Naphthalene	< 3.91	< 0.406	< 20	< 6.37	< 19.1	< 0.398	< 4.18
Phenanthrene	< 3.91	**2.78**	< 20	< 6.37	< 19.1	< 0.398	**18.6**
Pyrene	< 3.91	**1.91**	< 20	< 6.37	< 19.1	< 0.398	**17.6**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	AEC_B-1	AEC_B-7	DP-001-SO-100	DP-002-SO-100	DP-003	DP-003	DP-003	DP-004	DP-004	DP-005	DP-005	DP-006
Sample Date	06/10/2005	06/10/2005	04/22/2015	04/22/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015
Sample Name	AEC_B-1_061005_2	AEC_B-7_061005_6	DP-001-SO-100-01	DP-002-SO-100-01	DP-003-SO-010-01	DP-003-SO-050-01	DP-003-SO-100-01	DP-004-SO-010-01	DP-004-SO-050-01	DP-005-SO-010-01	DP-005-SO-100-01	DP-006-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2 (ft)	6 (ft)	0 - 10 (ft)	0 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	ND	**11**	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	ND	ND	-	-	< 2.8	< 3.2	< 3	< 2.6	**0.77**	< 2.5	**1.6**	< 2.7
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	**240**	**356**	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	< 7	< 7.1	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	-	-	-	-	**436**	**124**	**114**	**88.5**	**3580**	**327**	**5420**	**1060**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-006	DP-006	DP-007	DP-007	DP-007	DP-008	DP-008	DP-008	DP-009	DP-009	DP-009	DP-009
Sample Date	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015
Sample Name	DP-006-SO-050-01	DP-006-SO-100-01	DP-007-SO-010-01	DP-007-SO-050-01	DP-007-SO-100-01	DP-008-SO-010-01	DP-008-SO-050-01	DP-008-SO-100-01	DP-009-SO-010-01	DP-009-SO-010-02	DP-009-SO-050-01	DP-009-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.9	< 2.6	< 2.7	< 3.3	< 3	< 2.4	**0.83**	< 2.8	< 2.9	< 2.8	< 3	< 2.7
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**1120**	**8060**	**245**	**376**	**7120**	**61.7**	**4220**	**4290**	**266**	**191**	**130**	**10900**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-010	DP-010	DP-010	DP-010	DP-011	DP-011	DP-011	DP-012	DP-012	DP-013	DP-013	DP-013
Sample Date	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015
Sample Name	DP-010-SO-010-01	DP-010-SO-050-01	DP-010-SO-050-02	DP-010-SO-100-01	DP-011-SO-010-01	DP-011-SO-050-01	DP-011-SO-100-01	DP-012-SO-010-01	DP-012-SO-100-01	DP-013-SO-010-01	DP-013-SO-100-01	DP-013-SO-100-02
Sample Type	N	N	FD	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.7	< 2.8	< 2.8	< 3	< 2.5	< 3	< 3	< 2.8	< 2.5	< 2.7	**2.7**	< 3
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**596**	**1410**	**563**	**7440**	**6.12**	**359**	**9.33**	**780**	**332**	**29.8**	**3430**	**9540**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-014	DP-014	DP-015	DP-015	DP-016	DP-016	DP-016	DP-017	DP-017	DP-017	DP-018	DP-018
Sample Date	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015
Sample Name	DP-014-SO-010-01	DP-014-SO-100-01	DP-015-SO-010-01	DP-015-SO-100-01	DP-016-SO-010-01	DP-016-SO-050-01	DP-016-SO-100-01	DP-017-SO-010-01	DP-017-SO-050-01	DP-017-SO-100-01	DP-018-SO-010-01	DP-018-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.8	**0.97**	**2.2**	**1.4**	< 2.7	< 3.6	< 2.7	< 2.4	< 3	< 3	< 2.6	< 2.6
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**80.5**	**2360**	**112**	**32.6**	**346**	**107**	**7.06**	**310**	**141**	< 42.2	**21.7**	< 35.9

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-018	DP-019	DP-019	DP-019	DP-020	DP-020	DP-021	DP-021	DP-021	DP-021	DP-022	DP-022
Sample Date	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015
Sample Name	DP-018-SO-100-01	DP-019-SO-010-01	DP-019-SO-050-01	DP-019-SO-100-01	DP-020-SO-010-01	DP-020-SO-050-01	DP-021-SO-010-01	DP-021-SO-010-02	DP-021-SO-050-01	DP-021-SO-100-01	DP-022-SO-010-01	DP-022-SO-050-01
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.8	< 2.8	< 2.4	**2**	< 2.7	< 2.6	< 2.6	< 3	< 2.7	< 2.8	**1.9**	< 2.9
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**97.8**	**280**	**7.62**	< 39.8	**255**	**332**	**88.5**	**381**	**84.3**	**33.2**	**581**	**276**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-022	DP-023	DP-023	DP-023	DP-024	DP-024	DP-024	DP-024	DP-025	DP-025	DP-025	DP-026
Sample Date	07/07/2015	07/08/2015	07/08/2015	07/08/2015	07/07/2015	07/07/2015	07/08/2015	07/08/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015
Sample Name	DP-022-SO-100-01	DP-023-SO-010-01	DP-023-SO-050-01	DP-023-SO-100-01	DP-024-SO-010-01	DP-024-SO-050-01	DP-024-SO-100-01	DP-024-SO-100-02	DP-025-SO-010-01	DP-025-SO-050-01	DP-025-SO-100-01	DP-026-SO-010-01
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 3.1	< 2.6	< 2.8	< 3	< 2.7	**2.8**	**2.9**	< 3.1	< 2.5	**5.5**	**6.9**	< 2.6
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**19.8**	**475**	**29.7**	**5.4**	**473**	**461**	**34.6**	**26.5**	**312**	**13200**	**317**	**734**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-026	DP-026	DP-027	DP-027	DP-028	DP-028	DP-028	DP-029	DP-029	DP-030	DP-030	DP-031
Sample Date	07/07/2015	07/07/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015
Sample Name	DP-026-SO-050-01	DP-026-SO-100-01	DP-027-SO-010-01	DP-027-SO-080-01	DP-028-SO-010-01	DP-028-SO-010-02	DP-028-SO-095-01	DP-029-SO-010-01	DP-029-SO-090-01	DP-030-SO-010-01	DP-030-SO-100-01	DP-031-SO-010-01
Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	7.5 - 8 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	9 - 9.5 (ft)	0.5 - 1 (ft)	8.5 - 9 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 3.2	**3.9**	< 2.7	**3.1**	< 2.7	< 2.8	**3.1**	< 2.9	< 2.9	< 2.7	**3.5**	< 2.8
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**383**	**38900**	**240**	**14500**	**144**	**330**	**54000**	**988**	**4300**	**22**	**862**	**94.4**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-031	DP-032	DP-038	DP-038	DP-038	DP-039	DP-039	DP-039	DP-039	DP-040	DP-040	DP-040
Sample Date	07/08/2015	07/08/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015
Sample Name	DP-031-SO-100-01	DP-032-SO-010-01	DP-038-SO-010-01	DP-038-SO-050-01	DP-038-SO-100-01	DP-039-SO-010-01	DP-039-SO-050-01	DP-039-SO-050-02	DP-039-SO-100-01	DP-040-SO-010-01	DP-040-SO-050-01	DP-040-SO-100-01
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	**1.3**	< 2.7	**3.8**	< 2.8	< 2.8	< 2.7	< 2.8	< 2.9	< 2.7	< 2.7	**3.1**	< 3.2
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**1110**	**256**	**451**	< 36.7	< 38.2	**1780**	**59.8**	**120**	**17.7**	**987**	**43.8**	**9.2**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-040	DP-041	DP-041	DP-041	DP-042	DP-042	DP-042	DP-042	DP-042	DP-042	DP-043	DP-043
Sample Date	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/17/2015	07/17/2015	07/17/2015	07/09/2015	07/09/2015
Sample Name	DP-040-SO-100-02	DP-041-SO-010-01	DP-041-SO-050-01	DP-041-SO-100-01	DP-042-SO-010-01	DP-042-SO-050-01	DP-042-SO-100-01	DP-042-SO-010-02	DP-042-SO-050-02	DP-042-SO-100-02	DP-043-SO-010-01	DP-043-SO-050-01
Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 3.2	< 2.8	< 2.9	< 3	< 2.9	< 3.3	< 3	< 2.7	< 3.3	< 3	< 2.8	**0.7**
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**42.8**	**838**	**396**	**12.6**	**6090**	**62.6**	**24.8**	**494**	**10.4**	< 40.8	**78.5**	**304**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-043	DP-043	DP-043	DP-043	DP-044	DP-044	DP-044	DP-044	DP-044	DP-044	DP-045	DP-045
Sample Date	07/09/2015	07/17/2015	07/17/2015	07/17/2015	07/09/2015	07/09/2015	07/09/2015	07/17/2015	07/17/2015	07/17/2015	07/09/2015	07/09/2015
Sample Name	DP-043-SO-100-01	DP-043-SO-010-02	DP-043-SO-050-02	DP-043-SO-100-02	DP-044-SO-010-01	DP-044-SO-050-01	DP-044-SO-100-01	DP-044-SO-010-02	DP-044-SO-050-02	DP-044-SO-100-02	DP-045-SO-010-01	DP-045-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.7	< 2.5	< 2.8	< 3.1	< 2.8	< 3.3	< 3.4	< 2.7	< 3.3	< 3	< 2.9	< 3.4
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**71.5**	**1910**	**286**	**11.1**	**1100**	**9.88**	**5.69**	**496**	**6.51**	< 42.7	**1350**	**160**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-045	DP-045	DP-045	DP-045	DP-046	DP-046	DP-047	DP-047	DP-047	DP-047	DP-048	DP-048
Sample Date	07/09/2015	07/17/2015	07/17/2015	07/17/2015	07/09/2015	07/09/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015
Sample Name	DP-045-SO-100-01	DP-045-SO-010-02	DP-045-SO-050-02	DP-045-SO-100-02	DP-046-SO-010-01	DP-046-SO-100-01	DP-047-SO-010-01	DP-047-SO-010-02	DP-047-SO-050-01	DP-047-SO-100-01	DP-048-SO-050-01	DP-048-SO-100-01
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 3	**0.67**	< 3.1	< 2.7	< 2.9	< 3	< 2.4	< 2.9	< 2.7	< 2.7	**0.97**	< 2.5
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**10.7**	**1410**	**355**	**13**	**842**	**11.7**	**148**	**155**	**7.01**	< 38.9	**18.9**	**84.4**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-049	DP-049	DP-051	DP-051	DP-051	DP-052	DP-052	DP-053	DP-053	DP-053	DP-054	DP-054
Sample Date	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015
Sample Name	DP-049-SO-050-01	DP-049-SO-100-01	DP-051-SO-050-01	DP-051-SO-100-01	DP-051-SO-100-02	DP-052-SO-050-01	DP-052-SO-100-01	DP-053-SO-010-01	DP-053-SO-050-01	DP-053-SO-100-01	DP-054-SO-010-01	DP-054-SO-050-01
Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.6	< 2.8	< 2.6	< 2.9	< 2.4	< 2.6	< 2.9	< 2.6	< 2.4	< 2.3	**9.8**	**2.3**
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**5.39**	< 36.3	< 36.6	**21.5**	**69.7**	**163**	**21**	**472**	< 33.4	**26.6**	**2850**	**5.3**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-054	DP-054	DP-055	DP-055	DP-055	DP-056	DP-056	DP-056	DP-057	DP-057	DP-057	DP-057
Sample Date	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015
Sample Name	DP-054-SO-100-01	DP-054-SO-100-02	DP-055-SO-010-01	DP-055-SO-050-01	DP-055-SO-100-01	DP-056-SO-010-01	DP-056-SO-050-01	DP-056-SO-100-01	DP-057-SO-010-01	DP-057-SO-050-01	DP-057-SO-100-01	DP-057-SO-100-02
Sample Type	N	FD	N	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.9	< 2.7	< 2.9	< 2.7	< 2.8	< 2.8	< 2.8	< 2.5	< 2.8	**110**	< 2.7	< 2.7
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**112**	**104**	**9.18**	**17.1**	**579**	**5.37**	**6.93**	**631**	**78.9**	**5050**	**10.7**	**10.3**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-058	DP-058	DP-058	DP-059	DP-059	DP-059	DP-059	DP-060	DP-060	DP-060	DP-061	DP-061
Sample Date	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015
Sample Name	DP-058-SO-010-01	DP-058-SO-050-01	DP-058-SO-100-01	DP-059-SO-010-01	DP-059-SO-010-02	DP-059-SO-050-01	DP-059-SO-100-01	DP-060-SO-010-01	DP-060-SO-050-01	DP-060-SO-100-01	DP-061-SO-010-01	DP-061-SO-050-01
Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.7	< 2.7	< 2.7	< 2.7	< 2.8	< 2.9	< 2.7	< 2.8	< 2.6	< 2.9	< 2.8	**60**
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**30.2**	**6.25**	**4.84**	**18.2**	**13.3**	**254**	**158**	**18.9**	**49.2**	**5.1**	**37.2**	**291**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-061	DP-061	DP-062	DP-062	DP-062	DP-063	DP-063	DP-063	DP-064	DP-064	DP-064	DP-064
Sample Date	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015
Sample Name	DP-061-SO-050-02	DP-061-SO-100-01	DP-062-SO-010-01	DP-062-SO-050-01	DP-062-SO-100-01	DP-063-SO-010-01	DP-063-SO-050-01	DP-063-SO-100-01	DP-064-SO-010-01	DP-064-SO-050-01	DP-064-SO-100-01	DP-064-SO-100-02
Sample Type	FD	N	N	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	**57**	**3.6**	< 2.9	< 2.4	< 2.8	< 2.8	< 2.9	< 2.5	< 2.7	< 2.7	< 2.6	< 3
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**230**	**60**	< 37	**10.9**	**8.69**	**30.6**	**14.1**	**5.94**	**21.7**	**6.06**	**26**	**21.6**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-065	DP-065	DP-065	DP-066	DP-066	DP-066	DP-067	DP-067	DP-067	DP-068	DP-068	DP-068
Sample Date	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015
Sample Name	DP-065-SO-010-01	DP-065-SO-050-01	DP-065-SO-100-01	DP-066-SO-010-01	DP-066-SO-050-01	DP-066-SO-100-01	DP-067-SO-010-01	DP-067-SO-050-01	DP-067-SO-100-01	DP-068-SO-010-01	DP-068-SO-050-01	DP-068-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.8	< 2.7	< 3.1	**1.6**	**66**	< 3.1	< 2.9	< 2.9	< 2.7	< 2.7	< 3	< 3
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**264**	**4.39**	**16.2**	**56.8**	**1020**	**7.54**	**15.6**	**106**	**7.32**	**62.4**	**9.23**	< 41.9

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-069	DP-069	DP-072	DP-072	DP-072	DP-072	DP-073	DP-073	DP-073	DP-074	DP-074	DP-074
Sample Date	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015
Sample Name	DP-069-SO-050-01	DP-069-SO-100-01	DP-072-SO-010-01	DP-072-SO-010-02	DP-072-SO-050-01	DP-072-SO-100-01	DP-073-SO-010-01	DP-073-SO-050-01	DP-073-SO-100-01	DP-074-SO-010-01	DP-074-SO-010-02	DP-074-SO-050-01
Sample Type	N	N	N	FD	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 3	< 2.9	< 2.9	< 2.8	< 2.9	< 2.8	< 2.9	< 2.8	< 3	< 3	< 2.9	< 2.8
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**5.32**	**4.53**	**5.56**	**8.37**	**5.46**	**5.03**	< 38.6	< 39.3	< 39.3	< 39.3	< 39	< 39

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-074	DP-075	DP-075	DP-075	DP-076	DP-076	DP-077	DP-077	DP-078	DP-078	DP-090	DP-090
Sample Date	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/13/2015	07/15/2015	07/15/2015
Sample Name	DP-074-SO-100-01	DP-075-SO-010-01	DP-075-SO-050-01	DP-075-SO-100-01	DP-076-SO-050-01	DP-076-SO-100-01	DP-077-SO-050-01	DP-077-SO-100-01	DP-078-SO-050-01	DP-078-SO-100-01	DP-090-SO-050-01	DP-090-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.8	< 2.8	< 2.8	< 2.9	< 2.8	< 2.7	< 2.9	< 2.8	< 2.9	< 2.8	< 2.9	< 2.7
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	< 39.2	< 38.8	< 39	< 39.4	< 36.8	< 35.2	< 37.4	< 36.5	**4.54**	< 37.9	**5.46**	**7.55**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-091	DP-091	DP-092	DP-092	DP-092	DP-093	DP-093	DP-093	DP-095	DP-095	DP-095	DP-096
Sample Date	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/16/2015
Sample Name	DP-091-SO-050-01	DP-091-SO-100-01	DP-092-SO-010-01	DP-092-SO-050-01	DP-092-SO-100-01	DP-093-SO-050-01	DP-093-SO-100-01	DP-093-SO-100-02	DP-095-SO-010-01	DP-095-SO-050-01	DP-095-SO-100-01	DP-096-SO-010-01
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.9	< 2.7	**240**	**150**	**320**	< 2.8	< 2.7	< 2.7	< 2.6	< 2.9	< 2.7	< 2.7
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**8.03**	**7.02**	**6370**	**1860**	**8650**	**4.83**	**9.27**	**11.1**	**72**	**66.9**	**5.44**	**128**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-096	DP-096	DP-096	DP-097	DP-097	DP-097	DP-098	DP-098	DP-098	DP-099	DP-099	DP-099
Sample Date	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015
Sample Name	DP-096-SO-010-02	DP-096-SO-050-01	DP-096-SO-100-01	DP-097-SO-010-01	DP-097-SO-050-01	DP-097-SO-100-01	DP-098-SO-010-01	DP-098-SO-050-01	DP-098-SO-100-01	DP-099-SO-010-01	DP-099-SO-050-01	DP-099-SO-100-01
Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.6	< 2.7	< 2.9	< 2.5	< 2.9	< 3	< 2.6	< 2.7	< 2.9	< 2.8	< 2.8	< 2.9
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**130**	**17.6**	**11.4**	**1910**	**2520**	**826**	**133**	**120**	**21.6**	**215**	**25.6**	**4.34**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-100	DP-100	DP-100	DP-101	DP-101	DP-101	DP-102	DP-102	DP-102	DP-103	DP-103	DP-103
Sample Date	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015
Sample Name	DP-100-SO-010-01	DP-100-SO-050-01	DP-100-SO-100-01	DP-101-SO-010-01	DP-101-SO-050-01	DP-101-SO-100-01	DP-102-SO-010-01	DP-102-SO-050-01	DP-102-SO-100-01	DP-103-SO-010-01	DP-103-SO-050-01	DP-103-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.4	< 2.6	< 3	< 2.3	< 2.6	**1.4**	< 2.8	< 2.8	< 2.9	< 2.8	< 2.8	< 3.1
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**793**	**8.76**	**12.9**	**1420**	**487**	**5460**	**114**	**173**	**305**	**287**	**46.2**	**1600**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-104	DP-104	DP-104	DP-105	DP-105	DP-105	DP-106	DP-106	DP-106	DP-107	DP-107	DP-107
Sample Date	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015
Sample Name	DP-104-SO-010-01	DP-104-SO-050-01	DP-104-SO-100-01	DP-105-SO-010-01	DP-105-SO-050-01	DP-105-SO-100-01	DP-106-SO-010-01	DP-106-SO-050-01	DP-106-SO-100-01	DP-107-SO-010-01	DP-107-SO-050-01	DP-107-SO-050-02
Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.8	< 3	< 2.8	< 2.7	< 2.8	**130**	< 2.8	< 2.8	< 3.1	< 2.7	< 2.8	< 2.8
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**304**	**221**	**27.4**	**116**	**210**	**166**	**318**	**156**	**180**	**17.3**	**99**	**363**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-107	DP-108	DP-108	DP-108	DP-108	DP-109	DP-109	DP-109	DP-110	DP-110	DP-110	DP-111
Sample Date	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015
Sample Name	DP-107-SO-100-01	DP-108-SO-010-01	DP-108-SO-010-02	DP-108-SO-050-01	DP-108-SO-100-01	DP-109-SO-010-01	DP-109-SO-050-01	DP-109-SO-100-01	DP-110-SO-010-01	DP-110-SO-050-01	DP-110-SO-100-01	DP-111-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 3	< 2.7	< 2.7	< 2.7	< 2.9	< 3	< 2.7	< 3.5	**5.9**	< 3.1	< 3	< 2.7
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**563**	**927**	**1400**	**146**	**9.63**	**549**	**383**	**12.9**	**2890**	**114**	**17.1**	**1930**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-111	DP-111	DP-112	DP-112	DP-112	DP-113	DP-113	DP-113	DP-114	DP-114	DP-114	DP-115
Sample Date	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/20/2015	07/21/2015
Sample Name	DP-111-SO-050-01	DP-111-SO-100-01	DP-112-SO-010-01	DP-112-SO-050-01	DP-112-SO-100-01	DP-113-SO-010-01	DP-113-SO-050-01	DP-113-SO-100-01	DP-114-SO-010-01	DP-114-SO-050-01	DP-114-SO-100-01	DP-115-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 3.2	< 2.9	**2.3**	< 2.9	**8.5**	**2.2**	< 2.8	< 3	< 2.7	< 2.6	< 3	< 2.8
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**11.9**	**17.7**	**1700**	**102**	**18.9**	**3930**	**69**	**60.9**	**960**	**32**	**75.2**	**181**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-115	DP-115	DP-115	DP-115	DP-115	DP-116	DP-116	DP-116	DP-117	DP-117	DP-117	DP-118
Sample Date	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015
Sample Name	DP-115-SO-010-02	DP-115-SO-050-01	DP-115-SO-050-02	DP-115-SO-100-01	DP-115-SO-100-02	DP-116-SO-010-01	DP-116-SO-050-01	DP-116-SO-100-01	DP-117-SO-010-01	DP-117-SO-050-01	DP-117-SO-100-01	DP-118-SO-010-01
Sample Type	FD	N	FD	N	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.7	< 2.8	< 2.5	< 3	< 3.1	< 2.7	**0.66**	< 2.9	< 2.7	< 2.8	< 3	**4.7**
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**174**	**12.2**	**9.82**	**13.2**	**7.15**	**202**	**42.4**	**11.3**	**619**	**52.1**	**14**	**2990**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-118	DP-118	DP-118	DP-119	DP-119	DP-119	DP-120	DP-120	DP-120	DP-121	DP-121	DP-121
Sample Date	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015
Sample Name	DP-118-SO-010-02	DP-118-SO-050-01	DP-118-SO-100-01	DP-119-SO-010-01	DP-119-SO-050-01	DP-119-SO-100-01	DP-120-SO-010-01	DP-120-SO-050-01	DP-120-SO-100-01	DP-121-SO-010-01	DP-121-SO-050-01	DP-121-SO-100-01
Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	**10**	< 2.8	< 2.5	**11**	< 2.8	< 2.7	**3.1**	**2.5**	**3**	**2.8**	< 2.7	< 2.9
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**3470**	**63**	< 38.2	**2540**	**76.9**	**44.1**	**533**	**163**	**12**	**467**	**49.3**	**95.3**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-122	DP-122	DP-122	DP-123	DP-123	DP-123	DP-124	DP-124	DP-124	DP-125	DP-125	DP-125
Sample Date	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015
Sample Name	DP-122-SO-010-01	DP-122-SO-050-01	DP-122-SO-100-01	DP-123-SO-010-01	DP-123-SO-050-01	DP-123-SO-100-01	DP-124-SO-010-01	DP-124-SO-050-01	DP-124-SO-100-01	DP-125-SO-010-01	DP-125-SO-050-01	DP-125-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	**3.2**	**2**	< 3	< 2.7	**1.4**	< 2.9	**18**	**3.3**	< 2.9	**2.8**	< 2.8	< 2.9
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**1350**	**1250**	**75.6**	**411**	**288**	**14.6**	**3750**	**918**	**19.5**	**2070**	**44.1**	**16**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-125	DP-126	DP-126	DP-126	DP-127	DP-127	DP-127	DP-128	DP-128	DP-128	DP-129	DP-129
Sample Date	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015
Sample Name	DP-125-SO-100-02	DP-126-SO-010-01	DP-126-SO-050-01	DP-126-SO-100-01	DP-127-SO-010-01	DP-127-SO-050-01	DP-127-SO-100-01	DP-128-SO-010-01	DP-128-SO-050-01	DP-128-SO-100-01	DP-129-SO-010-01	DP-129-SO-050-01
Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	1 (ft)	5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 3	**11**	< 2.7	< 2.7	< 2.4	< 2.8	< 3	< 2.6	< 2.8	< 2.9	< 2.7	< 2.9
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**12**	**3780**	**14.6**	< 39.6	**249**	**808**	**455**	**372**	**22.1**	**15.1**	**7.32**	**75.2**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-129	DP-130	DP-130	DP-130	DP-131	DP-131	DP-131	DP-132	DP-132	DP-132	DP-133	DP-133
Sample Date	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015
Sample Name	DP-129-SO-100-01	DP-130-SO-010-01	DP-130-SO-050-01	DP-130-SO-100-01	DP-131-SO-010-01	DP-131-SO-050-01	DP-131-SO-100-01	DP-132-SO-010-01	DP-132-SO-050-01	DP-132-SO-100-01	DP-133-SO-010-01	DP-133-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.9	< 2.7	< 2.8	< 3	**1.5**	< 2.8	< 2.7	< 2.7	< 2.4	< 2.7	< 2.7	< 3
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**4.55**	**182**	**15.4**	**7.75**	**3680**	**154**	**58.4**	**130**	**12.8**	**7.11**	**714**	**4.32**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-133	DP-133	DP-134	DP-134	DP-134	DP-135	DP-135	DP-136	DP-136	DP-136	DP-137	DP-137
Sample Date	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015
Sample Name	DP-133-SO-100-01	DP-133-SO-100-02	DP-134-SO-010-01	DP-134-SO-050-01	DP-134-SO-100-01	DP-135-SO-010-01	DP-135-SO-050-01	DP-136-SO-010-01	DP-136-SO-050-01	DP-136-SO-100-01	DP-137-SO-010-01	DP-137-SO-050-01
Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.9	< 2.8	< 2.3	< 2.8	< 3	**7.1**	**7.5**	**2.6**	**8**	< 3	< 2.5	< 2.8
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**5.64**	< 38.3	**1320**	**1200**	**4.93**	**1000**	**1180**	**1930**	**84.9**	**38.7**	**2420**	**48.9**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-137	DP-138	DP-138	DP-138	DP-139	DP-139	DP-139	DP-139	DP-140	DP-140	DP-140	DP-141
Sample Date	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015
Sample Name	DP-137-SO-100-01	DP-138-SO-010-01	DP-138-SO-050-01	DP-138-SO-100-01	DP-139-SO-010-01	DP-139-SO-050-01	DP-139-SO-100-01	DP-139-SO-100-02	DP-140-SO-010-01	DP-140-SO-050-01	DP-140-SO-100-01	DP-141-SO-010-01
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 3.1	< 2.7	< 2.9	**2.5**	< 2.6	< 2.6	< 2.8	< 2.8	< 2.6	**16**	< 3.1	< 2.4
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**4.85**	**767**	**15.5**	**7500**	**759**	**609**	**177**	**216**	**1550**	**273**	**14.2**	**278**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-141	DP-141	DP-142	DP-142	DP-142	DP-143	DP-143	DP-143	DP-144	DP-144	DP-144	DP-145
Sample Date	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015
Sample Name	DP-141-SO-050-01	DP-141-SO-100-01	DP-142-SO-010-01	DP-142-SO-050-01	DP-142-SO-100-01	DP-143-SO-010-01	DP-143-SO-050-01	DP-143-SO-100-01	DP-144-SO-010-01	DP-144-SO-050-01	DP-144-SO-100-01	DP-145-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.7	< 2.9	< 2.5	< 2.8	< 2.4	< 2.8	**1.6**	< 2.7	< 2.9	< 2.7	< 2.9	**2.4**
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**140**	**336**	**417**	**11.3**	**69.9**	**112**	**260**	**50.1**	**260**	**469**	**16.3**	**236**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-145	DP-145	DP-145	DP-146	DP-146	DP-146	DP-147	DP-147	DP-147	DP-147	DP-148	DP-148
Sample Date	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015
Sample Name	DP-145-SO-050-01	DP-145-SO-100-01	DP-145-SO-100-02	DP-146-SO-010-01	DP-146-SO-050-01	DP-146-SO-100-01	DP-147-SO-010-01	DP-147-SO-050-01	DP-147-SO-050-02	DP-147-SO-100-01	DP-148-SO-010-01	DP-148-SO-050-01
Sample Type	N	N	FD	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.9	< 2.7	< 3.1	**2.1**	< 2.5	< 2.9	< 2.6	< 2.8	< 2.6	< 3	< 2.4	< 2.5
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**432**	**4.46**	< 40.5	**594**	**25.1**	**14**	**1550**	**639**	**52.8**	**232**	**835**	**20.7**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-148	DP-149	DP-149	DP-149	DP-150	DP-150	DP-150	DP-151	DP-151	DP-151	DP-152	DP-152
Sample Date	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/24/2015	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016
Sample Name	DP-148-SO-100-01	DP-149-SO-010-01	DP-149-SO-050-01	DP-149-SO-100-01	DP-150-SO-010-01	DP-150-SO-050-01	DP-150-SO-100-01	DP-151-SO-010-01	DP-151-SO-050-01	DP-151-SO-100-01	DP-152-SO-010-01	DP-152-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 3	< 2.5	< 2.5	< 2.5	< 2.5	< 2.4	< 2.7	< 3	< 2.9	< 2.8	< 2.8	< 2.7
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**532**	**203**	**241**	**88.8**	**446**	**67.5**	**130**	**789**	**625**	**305**	**7.44**	**7.86**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-152	DP-153	DP-153	DP-153	DP-154	DP-154	DP-154	DP-155	DP-155	DP-155	DP-156	DP-156
Sample Date	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016
Sample Name	DP-152-SO-100-01	DP-153-SO-010-01	DP-153-SO-050-01	DP-153-SO-100-01	DP-154-SO-010-01	DP-154-SO-050-01	DP-154-SO-100-01	DP-155-SO-010-01	DP-155-SO-050-01	DP-155-SO-100-01	DP-156-SO-010-01	DP-156-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 2.7	< 2.4	**1.1**	< 3.9	< 3.2	**47**	**140**	**2**	**15**	< 2.8	< 3.1	**1.4**
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**7.67**	**13.7**	**3790**	**22.2**	**2890**	**6990**	**1260**	**2810**	**5590**	**37.6**	**1690**	**587**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-156	DP-156	DP-156	DP-157	DP-157	DP-157	DP-158	DP-158	DP-158	DP-160	DP-160	DP-160
Sample Date	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/20/2016	07/20/2016	07/20/2016	07/21/2016	07/21/2016	07/21/2016
Sample Name	DP-156-SO-100-01	DP-156-SO-050-02	DP-156-SO-100-02	DP-157-SO-010-01	DP-157-SO-050-01	DP-157-SO-100-01	DP-158-SO-010-01	DP-158-SO-050-01	DP-158-SO-100-01	DP-160-SO-010-01	DP-160-SO-050-01	DP-160-SO-100-01
Sample Type	N	FD	FD	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	**2.9**	**40**	**3.9**	**2.2**	**0.73**	**0.72**	**0.98**	**1**	< 2.7	< 3	< 3.1	**8.4**
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**11.2**	**498**	**87.4**	**595**	**9.49**	**32.4**	**109**	**23400**	**12800**	**92.1**	**3830**	**9460**

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-161	DP-161	DP-161	DP-162	DP-162	DP-162	DP-163	DP-163	DP-163	DP-163	DP-163	GSS-603-800-3
Sample Date	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	04/10/2015
Sample Name	DP-161-SO-010-01	DP-161-SO-050-01	DP-161-SO-100-01	DP-162-SO-010-01	DP-162-SO-050-01	DP-162-SO-100-01	DP-163-SO-010-01	DP-163-SO-050-01	DP-163-SO-100-01	DP-163-SO-010-02	DP-163-SO-050-02	GSS-603-800-3-1
Sample Type	N	N	N	N	N	N	N	N	N	FD	FD	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	3.5 - 5 (ft)
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	< 3.2	< 3.1	**2**	**11**	< 3	< 3	< 2.9	< 2.9	< 3.7	< 2.9	< 3	-
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	**27.1**
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	**22.4**
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	< 17.7
Total Petroleum Hydrocarbons (C9-C44) DRO	**510**	**178**	**14200**	**101**	**234**	**1310**	**433**	**700**	**169**	**208**	**199**	-

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GSS-603-800-3	GSS-607-13-3	GTW-605-802-10	GTW-605-802-2	GTW-605-802-6	GTW-605-802-7	GTW-605-802-9	GTW-607-13-1	GTW-607-13-2	GTW-661-24-1	GTW-661-24-1	GTW-661-804-2	GTW-661-804-2
Sample Date	04/10/2015	12/05/2013	04/21/2015	04/22/2015	04/09/2015	04/10/2015	04/09/2015	12/05/2013	12/05/2013	06/27/2014	06/27/2014	06/26/2014	06/26/2014
Sample Name	GSS-603-800-3-2	GSS607-13-3-1	GTW-605-802-10-1	GTW-605-802-2-1	GTW-605-802-6-1	GTW-605-802-7-1	GTW-605-802-9-1	GTW607-13-1-3	GTW607-13-2-2	GTW661-24-1-1	GTW661-24-1-2	GTW661-804-2-1	GTW661-804-2-2
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	8.5 - 10 (ft)	0 - 2 (ft)	1.5 - 5 (ft)	5 - 10 (ft)	3 - 5 (ft)	5 - 8 (ft)	3 - 5 (ft)	1 (ft)	5 - 2 (ft)	1 (ft)	1 (ft)	2 (ft)	2 (ft)
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	-	**184**	-	-	-	-	-	< 6	**119**	< 5.9	-	**483**	-
Gasoline Range Organics	-	< 4.7	-	-	-	-	-	< 5.6	< 7.7	-	< 4.7	-	< 9.9
Total Petroleum Hydrocarbons (C10-C28) DRO	**85.2**	-	**782**	**135**	**124**	**299**	**3260**	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	**109**	-	-	-	**344**	**319**	**6590**	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	< 8.5	-	< 7.6	< 8	< 7.3	**10.7**	< 6.9	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – TPH
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-661-804-3	GTW-661-804-3	GTW-661-805-1	GTW-661-805-COMP-1	WSP_SB-1	WSP_SB-2	WSP_SB-3	WSP_SB-4
Sample Date	06/26/2014	06/26/2014	06/26/2014	06/27/2014	01/17/2011	01/17/2011	01/17/2011	01/17/2011
Sample Name	GTW661-804-3-1	GTW661-804-3-2	GTW661-805-1-1	GTW661-805-COMP-1-1	WSP_SB-1_011711_7-9	WSP_SB-2_011711_7-9	WSP_SB-3_011711_8-10	WSP_SB-4_011711_7-9
Sample Type	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	3 (ft)	1 (ft)	1 (ft)	7 - 9 (ft)	7 - 9 (ft)	8 - 10 (ft)	7 - 9 (ft)
Total Petroleum Hydrocarbons (mg/kg)								
Diesel Range Organics	**1260**	-	< 5.9	**38.3**	**174**	**1810**	**117**	**1560**
Gasoline Range Organics	-	**511**	-	-	**13**	**16**	**14**	**13**
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	-	-	-	-	-	-	-	-

Notes:
Concentrations in milligrams per kilogram (mg/kg)
DRO = Diesel range organics
GRO = Gasoline range organics

TABLE 4
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – PCBS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-003	DP-003	DP-004	DP-004	DP-005	DP-005	DP-009	DP-009	DP-011	DP-011	DP-026	DP-026
Sample Date	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/07/2015	07/07/2015
Sample Name	DP-003-SO-010-01	DP-003-SO-050-01	DP-004-SO-010-01	DP-004-SO-050-01	DP-005-SO-010-01	DP-005-SO-100-01	DP-009-SO-010-01	DP-009-SO-050-01	DP-011-SO-010-01	DP-011-SO-050-01	DP-026-SO-010-01	DP-026-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
PCBs (mg/kg)												
Aroclor-1016 (PCB-1016)	< 0.0354	< 0.0428	< 0.037	< 0.0406	< 0.0374	< 0.0429	< 0.0389	< 0.0432	< 0.0368	< 0.0418	< 0.0367	< 0.0427
Aroclor-1221 (PCB-1221)	< 0.0354	< 0.0428	< 0.037	< 0.0406	< 0.0374	< 0.0429	< 0.0389	< 0.0432	< 0.0368	< 0.0418	< 0.0367	< 0.0427
Aroclor-1232 (PCB-1232)	< 0.0354	< 0.0428	< 0.037	< 0.0406	< 0.0374	< 0.0429	< 0.0389	< 0.0432	< 0.0368	< 0.0418	< 0.0367	< 0.0427
Aroclor-1242 (PCB-1242)	< 0.0354	< 0.0428	< 0.037	**0.0323**	< 0.0374	**0.0657**	< 0.0389	< 0.0432	< 0.0368	< 0.0418	< 0.0367	< 0.0427
Aroclor-1248 (PCB-1248)	< 0.0354	< 0.0428	< 0.037	< 0.0406	< 0.0374	< 0.0429	< 0.0389	< 0.0432	< 0.0368	< 0.0418	< 0.0367	< 0.0427
Aroclor-1254 (PCB-1254)	**0.0371**	< 0.0428	< 0.037	**0.023**	< 0.0374	**0.048**	< 0.0389	< 0.0432	< 0.0368	< 0.0418	< 0.0367	< 0.0427
Aroclor-1260 (PCB-1260)	**0.141**	< 0.0428	< 0.037	**0.0132**	**0.00722**	**0.031**	< 0.0389	< 0.0432	< 0.0368	< 0.0418	**0.00581**	< 0.0427
Aroclor-1262 (PCB-1262)	< 0.0354	< 0.0428	< 0.037	< 0.0406	< 0.0374	< 0.0429	< 0.0389	< 0.0432	< 0.0368	< 0.0418	< 0.0367	< 0.0427
Aroclor-1268 (PCB-1268)	< 0.0354	< 0.0428	< 0.037	< 0.0406	< 0.0374	< 0.0429	< 0.0389	< 0.0432	< 0.0368	< 0.0418	< 0.0367	< 0.0427
Polychlorinated biphenyls (PCBs)	**0.178**	< 0.0428	< 0.037	**0.0685**	**0.00722**	**0.145**	< 0.0389	< 0.0432	< 0.0368	< 0.0418	**0.00581**	< 0.0427

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 4
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – PCBS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-028	DP-028	DP-029	DP-029	DP-032	DP-038	DP-038	DP-038	DP-039	DP-039	DP-039	DP-042
Sample Date	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/17/2015
Sample Name	DP-028-SO-010-01	DP-028-SO-095-01	DP-029-SO-010-01	DP-029-SO-090-01	DP-032-SO-010-01	DP-038-SO-010-01	DP-038-SO-050-01	DP-038-SO-100-01	DP-039-SO-010-01	DP-039-SO-050-01	DP-039-SO-100-01	DP-042-SO-010-02
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	9 - 9.5 (ft)	0.5 - 1 (ft)	8.5 - 9 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
PCBs (mg/kg)												
Aroclor-1016 (PCB-1016)	< 0.0377	< 0.0458	< 0.0381	< 0.0417	< 0.0371	< 0.0369	< 0.0367	< 0.0386	< 0.037	< 0.0396	< 0.0399	< 0.0375
Aroclor-1221 (PCB-1221)	< 0.0377	< 0.0458	< 0.0381	< 0.0417	< 0.0371	< 0.0369	< 0.0367	< 0.0386	< 0.037	< 0.0396	< 0.0399	< 0.0375
Aroclor-1232 (PCB-1232)	< 0.0377	< 0.0458	< 0.0381	< 0.0417	< 0.0371	< 0.0369	< 0.0367	< 0.0386	< 0.037	< 0.0396	< 0.0399	< 0.0375
Aroclor-1242 (PCB-1242)	< 0.0377	**0.132**	< 0.0381	**0.0647**	< 0.0371	< 0.0369	< 0.0367	< 0.0386	< 0.037	< 0.0396	< 0.0399	< 0.0375
Aroclor-1248 (PCB-1248)	< 0.0377	< 0.0458	< 0.0381	< 0.0417	< 0.0371	< 0.0369	< 0.0367	< 0.0386	< 0.037	< 0.0396	< 0.0399	< 0.0375
Aroclor-1254 (PCB-1254)	< 0.0377	**0.158**	< 0.0381	**0.0959**	**0.0157**	< 0.0369	< 0.0367	< 0.0386	< 0.037	< 0.0396	< 0.0399	< 0.0375
Aroclor-1260 (PCB-1260)	< 0.0377	**0.139**	**0.0182**	**0.113**	**0.0232**	< 0.0369	< 0.0367	< 0.0386	< 0.037	< 0.0396	< 0.0399	< 0.0375
Aroclor-1262 (PCB-1262)	< 0.0377	< 0.0458	< 0.0381	< 0.0417	< 0.0371	< 0.0369	< 0.0367	< 0.0386	< 0.037	< 0.0396	< 0.0399	< 0.0375
Aroclor-1268 (PCB-1268)	< 0.0377	< 0.0458	< 0.0381	< 0.0417	< 0.0371	< 0.0369	< 0.0367	< 0.0386	< 0.037	< 0.0396	< 0.0399	< 0.0375
Polychlorinated biphenyls (PCBs)	< 0.0377	**0.429**	**0.0182**	**0.274**	**0.0389**	< 0.0369	< 0.0367	< 0.0386	< 0.037	< 0.0396	< 0.0399	< 0.0375

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 4
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – PCBS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-042	DP-042	DP-045	DP-045	DP-045	DP-046	DP-046	DP-079	DP-079	DP-080	DP-080	DP-080
Sample Date	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/17/2015	07/09/2015	07/09/2015	07/14/2015	07/14/2015	07/14/2015	07/14/2015	07/14/2015
Sample Name	DP-042-SO-050-02	DP-042-SO-100-02	DP-045-SO-010-02	DP-045-SO-050-02	DP-045-SO-100-02	DP-046-SO-010-01	DP-046-SO-100-01	DP-079-SO-010-01	DP-079-SO-050-01	DP-080-SO-010-01	DP-080-SO-010-02	DP-080-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
PCBs (mg/kg)												
Aroclor-1016 (PCB-1016)	< 0.0435	< 0.0427	< 0.0357	< 0.0429	< 0.0412	< 0.0394	< 0.04	< 0.0369	< 0.0365	< 0.0358	< 0.0357	< 0.0367
Aroclor-1221 (PCB-1221)	< 0.0435	< 0.0427	< 0.0357	< 0.0429	< 0.0412	< 0.0394	< 0.04	< 0.0369	< 0.0365	< 0.0358	< 0.0357	< 0.0367
Aroclor-1232 (PCB-1232)	< 0.0435	< 0.0427	< 0.0357	< 0.0429	< 0.0412	< 0.0394	< 0.04	< 0.0369	< 0.0365	< 0.0358	< 0.0357	< 0.0367
Aroclor-1242 (PCB-1242)	< 0.0435	< 0.0427	< 0.0357	< 0.0429	< 0.0412	< 0.0394	< 0.04	< 0.0369	< 0.0365	< 0.0358	< 0.0357	< 0.0367
Aroclor-1248 (PCB-1248)	< 0.0435	< 0.0427	< 0.0357	< 0.0429	< 0.0412	< 0.0394	< 0.04	< 0.0369	< 0.0365	< 0.0358	< 0.0357	< 0.0367
Aroclor-1254 (PCB-1254)	< 0.0435	< 0.0427	< 0.0357	< 0.0429	< 0.0412	< 0.0394	< 0.04	< 0.0369	< 0.0365	< 0.0358	< 0.0357	< 0.0367
Aroclor-1260 (PCB-1260)	< 0.0435	< 0.0427	< 0.0357	< 0.0429	< 0.0412	< 0.0394	< 0.04	< 0.0369	< 0.0365	< 0.0358	< 0.0357	< 0.0367
Aroclor-1262 (PCB-1262)	< 0.0435	< 0.0427	< 0.0357	< 0.0429	< 0.0412	< 0.0394	< 0.04	< 0.0369	< 0.0365	< 0.0358	< 0.0357	< 0.0367
Aroclor-1268 (PCB-1268)	< 0.0435	< 0.0427	< 0.0357	< 0.0429	< 0.0412	< 0.0394	< 0.04	< 0.0369	< 0.0365	< 0.0358	< 0.0357	< 0.0367
Polychlorinated biphenyls (PCBs)	< 0.0435	< 0.0427	< 0.0357	< 0.0429	< 0.0412	< 0.0394	< 0.04	< 0.0369	< 0.0365	< 0.0358	< 0.0357	< 0.0367

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 4
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – PCBS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-081	DP-081	DP-082	DP-082	DP-083	DP-083	DP-084	DP-085	DP-085	DP-086	DP-086	DP-086
Sample Date	07/14/2015	07/14/2015	07/14/2015	07/14/2015	07/14/2015	07/14/2015	07/14/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/15/2015
Sample Name	DP-081-SO-010-01	DP-081-SO-050-01	DP-082-SO-010-01	DP-082-SO-050-01	DP-083-SO-010-01	DP-083-SO-050-01	DP-084-SO-010-01	DP-085-SO-010-01	DP-085-SO-050-01	DP-086-SO-010-01	DP-086-SO-010-02	DP-086-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
PCBs (mg/kg)												
Aroclor-1016 (PCB-1016)	< 0.039	< 0.0355	< 0.037	< 0.0363	< 0.0359	< 0.0373	< 0.0359	< 0.0352	< 0.0347	< 0.184	< 0.185	< 0.0373
Aroclor-1221 (PCB-1221)	< 0.039	< 0.0355	< 0.037	< 0.0363	< 0.0359	< 0.0373	< 0.0359	< 0.0352	< 0.0347	< 0.184	< 0.185	< 0.0373
Aroclor-1232 (PCB-1232)	< 0.039	< 0.0355	< 0.037	< 0.0363	< 0.0359	< 0.0373	< 0.0359	< 0.0352	< 0.0347	< 0.184	< 0.185	< 0.0373
Aroclor-1242 (PCB-1242)	< 0.039	< 0.0355	< 0.037	< 0.0363	< 0.0359	< 0.0373	< 0.0359	< 0.0352	< 0.0347	< 0.184	< 0.185	< 0.0373
Aroclor-1248 (PCB-1248)	< 0.039	< 0.0355	< 0.037	< 0.0363	< 0.0359	< 0.0373	< 0.0359	< 0.0352	< 0.0347	< 0.184	< 0.185	< 0.0373
Aroclor-1254 (PCB-1254)	< 0.039	< 0.0355	**0.00955**	< 0.0363	< 0.0359	**0.0118**	**0.00758**	< 0.0352	< 0.0347	**0.58**	**0.532**	< 0.0373
Aroclor-1260 (PCB-1260)	< 0.039	< 0.0355	**0.0095**	< 0.0363	< 0.0359	**0.0255**	**0.0137**	< 0.0352	< 0.0347	**1.1**	**1.93**	< 0.0373
Aroclor-1262 (PCB-1262)	< 0.039	< 0.0355	< 0.037	< 0.0363	< 0.0359	< 0.0373	< 0.0359	< 0.0352	< 0.0347	< 0.184	< 0.185	< 0.0373
Aroclor-1268 (PCB-1268)	< 0.039	< 0.0355	< 0.037	< 0.0363	< 0.0359	< 0.0373	< 0.0359	< 0.0352	< 0.0347	< 0.184	< 0.185	< 0.0373
Polychlorinated biphenyls (PCBs)	< 0.039	< 0.0355	**0.019**	< 0.0363	< 0.0359	**0.0373**	**0.0213**	< 0.0352	< 0.0347	**1.68**	**2.46**	< 0.0373

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 4
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – PCBS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-087	DP-087	DP-088	DP-088	DP-151	DP-151	DP-151	DP-152	DP-152	DP-152	DP-153	DP-153
Sample Date	07/15/2015	07/15/2015	07/15/2015	07/15/2015	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016
Sample Name	DP-087-SO-010-01	DP-087-SO-050-01	DP-088-SO-010-01	DP-088-SO-050-01	DP-151-SO-010-01	DP-151-SO-050-01	DP-151-SO-100-01	DP-152-SO-010-01	DP-152-SO-050-01	DP-152-SO-100-01	DP-153-SO-010-01	DP-153-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)
PCBs (mg/kg)												
Aroclor-1016 (PCB-1016)	< 0.0398	< 0.0382	< 0.034	< 0.0371	< 0.0398	< 0.0389	< 0.0378	< 0.0382	< 0.037	< 0.0375	< 0.0385	< 0.207
Aroclor-1221 (PCB-1221)	< 0.0398	< 0.0382	< 0.034	< 0.0371	< 0.0398	< 0.0389	< 0.0378	< 0.0382	< 0.037	< 0.0375	< 0.0385	< 0.207
Aroclor-1232 (PCB-1232)	< 0.0398	< 0.0382	< 0.034	< 0.0371	< 0.0398	< 0.0389	< 0.0378	< 0.0382	< 0.037	< 0.0375	< 0.0385	< 0.207
Aroclor-1242 (PCB-1242)	< 0.0398	< 0.0382	< 0.034	< 0.0371	< 0.0398	< 0.0389	< 0.0378	< 0.0382	< 0.037	< 0.0375	< 0.0385	**1.12**
Aroclor-1248 (PCB-1248)	< 0.0398	< 0.0382	< 0.034	< 0.0371	< 0.0398	< 0.0389	< 0.0378	< 0.0382	< 0.037	< 0.0375	< 0.0385	< 0.207
Aroclor-1254 (PCB-1254)	< 0.0398	< 0.0382	< 0.034	**0.578**	< 0.0398	< 0.0389	< 0.0378	< 0.0382	< 0.037	< 0.0375	< 0.0385	**0.336**
Aroclor-1260 (PCB-1260)	**0.0271**	**0.0112**	< 0.034	< 0.0371	< 0.0398	< 0.0389	< 0.0378	< 0.0382	< 0.037	< 0.0375	< 0.0385	**0.14**
Aroclor-1262 (PCB-1262)	< 0.0398	< 0.0382	< 0.034	< 0.0371	< 0.0398	< 0.0389	< 0.0378	< 0.0382	< 0.037	< 0.0375	< 0.0385	< 0.207
Aroclor-1268 (PCB-1268)	< 0.0398	< 0.0382	< 0.034	< 0.0371	< 0.0398	< 0.0389	< 0.0378	< 0.0382	< 0.037	< 0.0375	< 0.0385	< 0.207
Polychlorinated biphenyls (PCBs)	**0.0271**	**0.0112**	< 0.034	**0.578**	< 0.0398	< 0.0389	< 0.0378	< 0.0382	< 0.037	< 0.0375	< 0.0385	**1.6**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 4
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – PCBS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-153	DP-154	DP-154	DP-154	DP-155	DP-155	DP-155	DP-156	DP-156	DP-156	DP-156	DP-156
Sample Date	07/20/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016
Sample Name	DP-153-SO-100-01	DP-154-SO-010-01	DP-154-SO-050-01	DP-154-SO-100-01	DP-155-SO-010-01	DP-155-SO-050-01	DP-155-SO-100-01	DP-156-SO-010-01	DP-156-SO-050-01	DP-156-SO-100-01	DP-156-SO-050-02	DP-156-SO-100-02
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	FD
Sample Depth (bgs)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	5 (ft)	10 (ft)
PCBs (mg/kg)												
Aroclor-1016 (PCB-1016)	< 0.0528	< 0.204	< 0.385	< 0.0423	< 0.0362	< 1.85	< 0.038	< 0.4	< 0.0425	< 0.0537	< 0.0397	< 0.0428
Aroclor-1221 (PCB-1221)	< 0.0528	< 0.204	< 0.385	< 0.0423	< 0.0362	< 1.85	< 0.038	< 0.4	< 0.0425	< 0.0537	< 0.0397	< 0.0428
Aroclor-1232 (PCB-1232)	< 0.0528	< 0.204	< 0.385	< 0.0423	< 0.0362	< 1.85	< 0.038	< 0.4	< 0.0425	< 0.0537	< 0.0397	< 0.0428
Aroclor-1242 (PCB-1242)	< 0.0528	**1.13**	< 0.385	< 0.0423	**0.592**	**31.8**	< 0.038	**4.14**	< 0.0425	< 0.0537	< 0.0397	< 0.0428
Aroclor-1248 (PCB-1248)	< 0.0528	< 0.204	< 0.385	< 0.0423	< 0.0362	< 1.85	< 0.038	< 0.4	< 0.0425	< 0.0537	< 0.0397	< 0.0428
Aroclor-1254 (PCB-1254)	< 0.0528	**0.718**	**2.11**	**0.145**	**0.241**	< 1.85	< 0.038	**1.18**	< 0.0425	< 0.0537	< 0.0397	< 0.0428
Aroclor-1260 (PCB-1260)	< 0.0528	**0.149**	**1.99**	< 0.0423	**0.0388**	< 1.85	< 0.038	**0.231**	**0.00641**	< 0.0537	< 0.0397	< 0.0428
Aroclor-1262 (PCB-1262)	< 0.0528	< 0.204	< 0.385	**0.055**	< 0.0362	< 1.85	< 0.038	< 0.4	< 0.0425	< 0.0537	< 0.0397	< 0.0428
Aroclor-1268 (PCB-1268)	< 0.0528	< 0.204	**0.972**	< 0.0423	< 0.0362	< 1.85	< 0.038	< 0.4	< 0.0425	< 0.0537	< 0.0397	< 0.0428
Polychlorinated biphenyls (PCBs)	< 0.0528	**2**	**5.07**	**0.2**	**0.872**	**31.8**	< 0.038	**5.55**	**0.00641**	< 0.0537	< 0.0397	< 0.0428

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 4
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – PCBS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-157	DP-157	DP-157	DP-158	DP-158	DP-158	DP-160	DP-160	DP-160	DP-161	DP-161	DP-161
Sample Date	07/21/2016	07/21/2016	07/21/2016	07/20/2016	07/20/2016	07/20/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016
Sample Name	DP-157-SO-010-01	DP-157-SO-050-01	DP-157-SO-100-01	DP-158-SO-010-01	DP-158-SO-050-01	DP-158-SO-100-01	DP-160-SO-010-01	DP-160-SO-050-01	DP-160-SO-100-01	DP-161-SO-010-01	DP-161-SO-050-01	DP-161-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)
PCBs (mg/kg)												
Aroclor-1016 (PCB-1016)	< 0.366	< 0.0392	< 0.0382	< 0.0388	< 0.748	< 0.039	< 0.0402	< 0.201	< 0.0393	< 0.042	< 0.0415	< 0.0447
Aroclor-1221 (PCB-1221)	< 0.366	< 0.0392	< 0.0382	< 0.0388	< 0.748	< 0.039	< 0.0402	< 0.201	< 0.0393	< 0.042	< 0.0415	< 0.0447
Aroclor-1232 (PCB-1232)	< 0.366	< 0.0392	< 0.0382	< 0.0388	< 0.748	< 0.039	< 0.0402	< 0.201	< 0.0393	< 0.042	< 0.0415	< 0.0447
Aroclor-1242 (PCB-1242)	**3.87**	< 0.0392	< 0.0382	**0.0819**	< 0.748	< 0.039	< 0.0402	< 0.201	**0.157**	< 0.042	< 0.0415	**0.552**
Aroclor-1248 (PCB-1248)	< 0.366	< 0.0392	< 0.0382	< 0.0388	**3.51**	< 0.039	< 0.0402	**1.43**	< 0.0393	< 0.042	< 0.0415	< 0.0447
Aroclor-1254 (PCB-1254)	< 0.366	< 0.0392	< 0.0382	< 0.0388	**1.74**	**0.19**	< 0.0402	**0.986**	**0.149**	**0.0243**	**0.006**	**0.378**
Aroclor-1260 (PCB-1260)	< 0.366	< 0.0392	**0.0135**	< 0.0388	**0.518**	**0.0698**	**0.00473**	**0.223**	**0.101**	**0.00574**	< 0.0415	**0.479**
Aroclor-1262 (PCB-1262)	< 0.366	< 0.0392	< 0.0382	< 0.0388	< 0.748	< 0.039	< 0.0402	< 0.201	< 0.0393	< 0.042	< 0.0415	< 0.0447
Aroclor-1268 (PCB-1268)	< 0.366	< 0.0392	< 0.0382	< 0.0388	< 0.748	< 0.039	< 0.0402	< 0.201	< 0.0393	< 0.042	< 0.0415	< 0.0447
Polychlorinated biphenyls (PCBs)	**3.87**	< 0.0392	**0.0135**	**0.0819**	**5.77**	**0.26**	**0.00473**	**2.64**	**0.407**	**0.03**	**0.006**	**1.41**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 4
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – PCBS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-162	DP-162	DP-162	DP-163	DP-163	DP-163	DP-163	DP-163	GSS-603-800-3	GSS-603-800-3	GTW-605-7-2	GTW-605-7-2
Sample Date	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	04/10/2015	04/10/2015	09/19/2014	09/19/2014
Sample Name	DP-162-SO-010-01	DP-162-SO-050-01	DP-162-SO-100-01	DP-163-SO-010-01	DP-163-SO-050-01	DP-163-SO-100-01	DP-163-SO-010-02	DP-163-SO-050-02	GSS-603-800-3-1	GSS-603-800-3-2	GTW-605-7-2-1,2,3,4	GTW-605-7-2-5
Sample Type	N	N	N	N	N	N	FD	FD	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	3.5 - 5 (ft)	8.5 - 10 (ft)	2 (ft)	2 (ft)
PCBs (mg/kg)												
Aroclor-1016 (PCB-1016)	< 0.0392	< 0.0378	< 0.0392	< 0.0383	< 0.0375	< 0.0477	< 0.0381	< 0.039	< 0.214	< 0.195	< 0.203	< 0.216
Aroclor-1221 (PCB-1221)	< 0.0392	< 0.0378	< 0.0392	< 0.0383	< 0.0375	< 0.0477	< 0.0381	< 0.039	< 0.214	< 0.195	< 0.203	< 0.216
Aroclor-1232 (PCB-1232)	< 0.0392	< 0.0378	< 0.0392	< 0.0383	< 0.0375	< 0.0477	< 0.0381	< 0.039	< 0.214	< 0.195	< 0.203	< 0.216
Aroclor-1242 (PCB-1242)	< 0.0392	< 0.0378	< 0.0392	< 0.0383	< 0.0375	< 0.0477	< 0.0381	< 0.039	< 0.214	< 0.195	< 0.203	< 0.216
Aroclor-1248 (PCB-1248)	< 0.0392	< 0.0378	< 0.0392	< 0.0383	< 0.0375	< 0.0477	< 0.0381	< 0.039	< 0.214	< 0.195	< 0.203	< 0.216
Aroclor-1254 (PCB-1254)	< 0.0392	**0.0765**	**0.026**	< 0.0383	< 0.0375	< 0.0477	< 0.0381	< 0.039	< 0.214	< 0.195	< 0.203	< 0.216
Aroclor-1260 (PCB-1260)	**0.221**	**0.0648**	**0.0317**	**0.0118**	< 0.0375	**0.274**	< 0.0381	< 0.039	< 0.214	< 0.195	< 0.203	< 0.216
Aroclor-1262 (PCB-1262)	< 0.0392	< 0.0378	< 0.0392	< 0.0383	< 0.0375	< 0.0477	< 0.0381	< 0.039	-	-	-	-
Aroclor-1268 (PCB-1268)	< 0.0392	< 0.0378	< 0.0392	< 0.0383	< 0.0375	< 0.0477	< 0.0381	< 0.039	-	-	-	-
Polychlorinated biphenyls (PCBs)	**0.221**	**0.141**	**0.0577**	**0.0118**	< 0.0375	**0.274**	< 0.0381	< 0.039	-	-	-	-

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 4
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – PCBS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-605-802-10	GTW-605-802-2	GTW-605-802-6	GTW-605-802-7	GTW-605-802-9	GTW-661-24-1	WSP_SB-1	WSP_SB-2	WSP_SB-3	WSP_SB-4
Sample Date	04/21/2015	04/22/2015	04/09/2015	04/10/2015	04/09/2015	06/27/2014	01/17/2011	01/17/2011	01/17/2011	01/17/2011
Sample Name	GTW-605-802-10-1	GTW-605-802-2-1	GTW-605-802-6-1	GTW-605-802-7-1	GTW-605-802-9-1	GTW661-24-1-4	WSP_SB-1_011711_7-9	WSP_SB-2_011711_7-9	WSP_SB-3_011711_8-10	WSP_SB-4_011711_7-9
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1.5 - 5 (ft)	5 - 10 (ft)	3 - 5 (ft)	5 - 8 (ft)	3 - 5 (ft)	1 (ft)	7 - 9 (ft)	7 - 9 (ft)	8 - 10 (ft)	7 - 9 (ft)
PCBs (mg/kg)										
Aroclor-1016 (PCB-1016)	< 0.208	< 0.223	< 0.0399	< 0.379	< 0.383	< 0.0394	**0.036**	**0.038**	**0.035**	**0.036**
Aroclor-1221 (PCB-1221)	< 0.208	< 0.223	< 0.0399	< 0.379	< 0.383	< 0.0394	**0.036**	**0.038**	**0.035**	**0.036**
Aroclor-1232 (PCB-1232)	< 0.208	< 0.223	< 0.0399	< 0.379	< 0.383	< 0.0394	**0.036**	**0.038**	**0.035**	**0.036**
Aroclor-1242 (PCB-1242)	**2.36**	< 0.223	< 0.0399	< 0.379	**2.28**	< 0.0394	**0.036**	**0.038**	**0.035**	**0.0933**
Aroclor-1248 (PCB-1248)	**2.02**	< 0.223	< 0.0399	< 0.379	< 0.383	< 0.0394	**0.036**	**0.038**	**0.035**	**0.036**
Aroclor-1254 (PCB-1254)	< 0.208	< 0.223	< 0.0399	< 0.379	< 0.383	< 0.0394	**0.036**	**0.038**	**0.035**	**0.135**
Aroclor-1260 (PCB-1260)	< 0.208	< 0.223	< 0.0399	< 0.379	**2.01**	< 0.0394	**0.036**	**0.038**	**0.035**	**0.0989**
Aroclor-1262 (PCB-1262)	-	-	-	-	-	-	**0.036**	**0.038**	**0.035**	**0.036**
Aroclor-1268 (PCB-1268)	-	-	-	-	-	-	**0.036**	**0.038**	**0.035**	**0.036**
Polychlorinated biphenyls (PCBs)	-	-	-	-	-	-	-	-	-	-

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	AEC_B-1	AEC_B-7	DP-001-SO-100	DP-002-SO-100	DP-003	DP-003	DP-003	DP-004	DP-004	DP-005	DP-005	DP-006
Sample Date	06/10/2005	06/10/2005	04/22/2015	04/22/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015
Sample Name	AEC_B-1_061005_2	AEC_B-7_061005_6	DP-001-SO-100-01	DP-002-SO-100-01	DP-003-SO-010-01	DP-003-SO-050-01	DP-003-SO-100-01	DP-004-SO-010-01	DP-004-SO-050-01	DP-005-SO-010-01	DP-005-SO-100-01	DP-006-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2 (ft)	6 (ft)	0 - 10 (ft)	0 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	-	-	**4380**	**3990**	**7200**	**5900**	**13000**	**3300**	**8500**	**8300**	**3500**	**6100**
Antimony	-	-	**7.8**	**14.1**	**3.3**	**7.8**	< 5	< 4.3	**1.6**	**1.1**	**25**	**7.1**
Arsenic	-	-	**6.5**	**7.5**	**2.3**	**3.3**	**1.2**	**1.1**	**2.5**	**3.6**	**1.7**	**7.2**
Barium	-	-	**242**	**243**	**130**	**82**	**39**	**13**	**150**	**81**	**170**	**220**
Beryllium	-	-	**0.22**	**0.23**	**0.22**	**0.15**	**0.35**	< 0.43	**0.25**	**0.25**	**0.31**	**0.42**
Cadmium	-	-	**0.69**	**0.23**	**2**	**0.3**	< 1	< 0.86	< 0.95	**0.15**	< 1	< 0.9
Calcium	-	-	**48600**	**34000**	**12000**	**30000**	**1100**	**1100**	**42000**	**19000**	**72000**	**7000**
Chromium	-	-	**33.9**	**29.9**	**34**	**15**	**23**	**9.7**	**17**	**17**	**14**	**16**
Cobalt	-	-	**7.7**	**7.2**	**7.7**	**7.2**	**5**	**1.1**	**5.4**	**6.3**	**29**	**6.3**
Copper	-	-	**373**	**329**	**62**	**110**	**15**	**12**	**27**	**100**	**120**	**50**
Iron	-	-	**27300**	**26500**	**22000**	**47000**	**31000**	**11000**	**17000**	**18000**	**43000**	**15000**
Lead	**10.9**	**140**	**1450**	**1690**	**320**	**360**	**13**	**38**	**280**	**160**	**150**	**480**
Magnesium	-	-	**2300**	**1740**	**4800**	**3000**	**1500**	**340**	**2000**	**3300**	**3500**	**1200**
Manganese	-	-	**323**	**320**	**350**	**350**	**130**	**34**	**180**	**220**	**310**	**380**
Mercury	-	-	**0.6**	**1.6**	**0.61**	**1.1**	**0.1**	**0.03**	**3.5**	**0.44**	**1.7**	**0.79**
Nickel	-	-	**119**	**13**	**44**	**10**	**9.2**	**2.1**	**8.6**	**22**	**16**	**8.7**
Potassium	-	-	**525**	**535**	**540**	**1100**	**820**	**280**	**740**	**690**	**1200**	**670**
Selenium	-	-	< 0.7	< 0.95	< 1.8	**0.51**	< 2	< 1.7	< 1.9	< 1.8	**0.34**	**0.45**
Silver	-	-	**0.45**	**0.44**	**0.23**	**0.38**	< 1	< 0.86	**0.3**	< 0.9	< 1	**0.5**
Sodium	-	-	**231**	< 476	**110**	**200**	**120**	< 170	**140**	**58**	**630**	**55**
Thallium	-	-	< 0.7	< 0.95	< 1.8	< 2	< 2	< 1.7	< 1.9	< 1.8	< 2	< 1.8
Vanadium	-	-	**18.1**	**19**	**23**	**19**	**41**	**14**	**21**	**25**	**13**	**21**
Zinc	-	-	**470**	**418**	**340**	**390**	**33**	**18**	**130**	**140**	**200**	**260**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-006	DP-006	DP-007	DP-007	DP-007	DP-008	DP-008	DP-008	DP-009	DP-009	DP-009	DP-009
Sample Date	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015
Sample Name	DP-006-SO-050-01	DP-006-SO-100-01	DP-007-SO-010-01	DP-007-SO-050-01	DP-007-SO-100-01	DP-008-SO-010-01	DP-008-SO-050-01	DP-008-SO-100-01	DP-009-SO-010-01	DP-009-SO-010-02	DP-009-SO-050-01	DP-009-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**6600**	**5500**	**2300**	**7600**	**6900**	**5500**	**5000**	**9200**	**6000**	**10000**	**4800**	**8600**
Antimony	**9**	**2.5**	< 4.3	**18**	**1.7**	< 4.4	**6.5**	< 4.6	**7.4**	**4**	**5.6**	**0.86**
Arsenic	**19**	**2.4**	**4.6**	**22**	**4.2**	**3.4**	**9.3**	**4.1**	**5.7**	**7.5**	**15**	**7.2**
Barium	**210**	**42**	**25**	**790**	**60**	**34**	**250**	**78**	**66**	**100**	**330**	**73**
Beryllium	**0.5**	**0.15**	**0.26**	**0.6**	**0.38**	**0.19**	**0.55**	**0.51**	**0.3**	**0.47**	**0.56**	**0.69**
Cadmium	< 0.96	< 0.88	< 0.85	**1.5**	< 0.96	< 0.88	< 1	< 0.93	< 0.92	< 0.92	< 1	< 0.98
Calcium	**14000**	**4700**	**1000**	**8400**	**3900**	**1300**	**6800**	**6700**	**6600**	**5200**	**5400**	**3700**
Chromium	**21**	**11**	**15**	**26**	**16**	**29**	**14**	**16**	**12**	**16**	**20**	**17**
Cobalt	**6.2**	**6.6**	**1.2**	**8**	**5.1**	**11**	**6.1**	**7.6**	**4.1**	**5.8**	**5.8**	**12**
Copper	**120**	**51**	**4.3**	**160**	**33**	**17**	**100**	**16**	**22**	**30**	**160**	**27**
Iron	**20000**	**13000**	**12000**	**29000**	**16000**	**16000**	**31000**	**18000**	**16000**	**22000**	**15000**	**28000**
Lead	**860**	**50**	**0.86**	**2500**	**110**	**49**	**1300**	**53**	**180**	**270**	**700**	**120**
Magnesium	**1500**	**3000**	**370**	**1300**	**770**	**14000**	**1400**	**1300**	**1000**	**1300**	**810**	**1100**
Manganese	**240**	**130**	**34**	**350**	**89**	**210**	**350**	**370**	**140**	**220**	**220**	**500**
Mercury	**2.7**	**0.19**	**0.02**	**4**	**0.8**	**0.068**	**2.5**	**0.56**	**0.32**	**0.65**	**2.5**	**0.79**
Nickel	**11**	**15**	**1.5**	**16**	**8.3**	**140**	**15**	**10**	**6.2**	**12**	**13**	**10**
Potassium	**720**	**2400**	**640**	**770**	**660**	**340**	**690**	**970**	**610**	**800**	**480**	**760**
Selenium	**1.2**	**0.32**	**0.31**	**1.9**	**0.61**	< 1.8	**0.98**	**0.31**	**0.53**	**0.49**	**1.4**	**0.59**
Silver	**1.7**	< 0.88	< 0.85	**1.8**	< 0.96	< 0.88	**3.2**	< 0.93	< 0.92	< 0.92	**2.7**	< 0.98
Sodium	**120**	**130**	< 170	**160**	**79**	**27**	**130**	**82**	**41**	**42**	**170**	**110**
Thallium	< 1.9	< 1.8	< 1.7	< 2.3	< 1.9	< 1.8	< 2.1	< 1.8	< 1.8	< 1.8	< 2	< 2
Vanadium	**24**	**25**	**14**	**24**	**20**	**18**	**17**	**24**	**22**	**26**	**20**	**30**
Zinc	**480**	**74**	**15**	**2300**	**210**	**55**	**610**	**45**	**77**	**170**	**390**	**340**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-010	DP-010	DP-010	DP-010	DP-011	DP-011	DP-011	DP-016	DP-016	DP-016	DP-017	DP-017
Sample Date	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/06/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015
Sample Name	DP-010-SO-010-01	DP-010-SO-050-01	DP-010-SO-050-02	DP-010-SO-100-01	DP-011-SO-010-01	DP-011-SO-050-01	DP-011-SO-100-01	DP-016-SO-010-01	DP-016-SO-050-01	DP-016-SO-100-01	DP-017-SO-010-01	DP-017-SO-050-01
Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**6600**	**6200**	**6700**	**10000**	**11000**	**6200**	**12000**	**8300**	**4600**	**15000**	**4300**	**3700**
Antimony	< 4.6	**6**	**2.6**	< 5	< 4.3	**3.9**	< 4.9	< 4.4	**13**	< 4.9	**0.94**	**2.2**
Arsenic	**5.3**	**12**	**12**	**6.7**	**2.7**	**12**	**4.7**	**4.2**	**37**	**1.6**	**5.2**	**7.1**
Barium	**87**	**180**	**160**	**76**	**29**	**170**	**53**	**120**	**110**	**50**	**89**	**260**
Beryllium	**0.39**	**0.44**	**0.47**	**0.7**	**0.23**	**0.48**	**0.51**	**0.23**	**0.36**	**0.52**	**0.27**	**0.42**
Cadmium	< 0.91	< 0.97	< 0.96	< 1	< 0.87	< 1	< 0.98	**0.24**	**1.2**	< 0.98	**0.25**	**3.3**
Calcium	**20000**	**12000**	**13000**	**3100**	**660**	**3500**	**3400**	**16000**	**72000**	**1300**	**43000**	**13000**
Chromium	**15**	**16**	**14**	**17**	**13**	**15**	**16**	**22**	**35**	**26**	**18**	**18**
Cobalt	**6.3**	**6.6**	**5.8**	**10**	**1.8**	**6.7**	**9.8**	**5.3**	**5**	**5.9**	**6.3**	**4.3**
Copper	**24**	**220**	**82**	**22**	**4.8**	**340**	**12**	**30**	**650**	**16**	**52**	**82**
Iron	**14000**	**20000**	**18000**	**25000**	**14000**	**20000**	**23000**	**24000**	**44000**	**36000**	**16000**	**15000**
Lead	**110**	**720**	**440**	**140**	**1.8**	**660**	**21**	**260**	**1800**	**13**	**420**	**450**
Magnesium	**2100**	**1000**	**1100**	**880**	**480**	**1000**	**1400**	**1800**	**1100**	**1600**	**2000**	**620**
Manganese	**170**	**240**	**200**	**190**	**38**	**250**	**360**	**160**	**380**	**210**	**300**	**190**
Mercury	**0.29**	**2.1**	**2.7**	**0.51**	**0.04**	**1.2**	**0.11**	**0.48**	**4.1**	**0.13**	**0.83**	**7.1**
Nickel	**14**	**13**	**9.8**	**9**	**4.1**	**16**	**11**	**25**	**15**	**9.8**	**8.2**	**12**
Potassium	**790**	**730**	**670**	**860**	**650**	**730**	**870**	**590**	**660**	**800**	**760**	**740**
Selenium	**0.41**	**0.64**	**0.72**	**0.64**	< 1.7	**0.64**	**0.37**	**0.62**	**2.6**	**0.46**	**0.52**	**0.57**
Silver	< 0.91	**3.5**	**1.1**	< 1	< 0.87	**0.42**	< 0.98	< 0.88	**2.6**	< 0.98	**0.28**	**0.34**
Sodium	**55**	**96**	**100**	**96**	**29**	**130**	**120**	**980**	**480**	**210**	**250**	**400**
Thallium	< 1.8	< 1.9	< 1.9	< 2	< 1.7	< 2	< 2	< 1.8	< 2.3	< 2	< 1.8	< 2.1
Vanadium	**21**	**21**	**20**	**34**	**20**	**20**	**25**	**31**	**16**	**47**	**20**	**18**
Zinc	**82**	**330**	**260**	**140**	**11**	**620**	**54**	**170**	**910**	**35**	**200**	**720**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-017	DP-018	DP-018	DP-018	DP-019	DP-019	DP-019	DP-020	DP-020	DP-021	DP-021	DP-021
Sample Date	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015
Sample Name	DP-017-SO-100-01	DP-018-SO-010-01	DP-018-SO-050-01	DP-018-SO-100-01	DP-019-SO-010-01	DP-019-SO-050-01	DP-019-SO-100-01	DP-020-SO-010-01	DP-020-SO-050-01	DP-021-SO-010-01	DP-021-SO-010-02	DP-021-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**9800**	**5300**	**4200**	**7700**	**5900**	**3700**	**13000**	**4300**	**4800**	**6900**	**9800**	**9700**
Antimony	< 5.1	**16**	< 4.4	< 4.9	**4.8**	< 4.5	< 5	**0.84**	< 4.7	**3.5**	**2.9**	**3**
Arsenic	**1.4**	**1.5**	**7.8**	**3.1**	**10**	**7.2**	**1.1**	**4.7**	**7**	**12**	**7.2**	**5.6**
Barium	**67**	**120**	**38**	**65**	**250**	**33**	**43**	**110**	**48**	**330**	**350**	**140**
Beryllium	**0.65**	**0.36**	**0.2**	**0.23**	**0.47**	**0.19**	**0.55**	**0.27**	**0.27**	**0.58**	**0.57**	**0.47**
Cadmium	< 1	**0.31**	< 0.89	< 0.98	**0.32**	< 0.9	< 1	**0.48**	**0.1**	**1.3**	**0.94**	**0.23**
Calcium	**1600**	**37000**	**8100**	**25000**	**20000**	**7900**	**1000**	**9900**	**29000**	**11000**	**14000**	**5700**
Chromium	**18**	**25**	**11**	**15**	**17**	**9.2**	**23**	**12**	**15**	**24**	**21**	**19**
Cobalt	**15**	**7.9**	**2.9**	**4.9**	**7**	**2.5**	**8.1**	**5.8**	**4.7**	**8**	**6.6**	**7.7**
Copper	**11**	**36**	**8.6**	**16**	**54**	**9.1**	**15**	**82**	**14**	**94**	**100**	**94**
Iron	**22000**	**33000**	**8500**	**19000**	**25000**	**7700**	**27000**	**14000**	**10000**	**26000**	**20000**	**28000**
Lead	**35**	**200**	**18**	**93**	**3200**	**19**	**14**	**280**	**54**	**770**	**850**	**380**
Magnesium	**1000**	**3100**	**1000**	**1200**	**2000**	**890**	**1400**	**1000**	**1800**	**1100**	**2100**	**1200**
Manganese	**400**	**360**	**57**	**280**	**530**	**64**	**180**	**340**	**120**	**1000**	**420**	**370**
Mercury	**0.08**	**0.32**	**0.02**	**0.33**	**1**	**0.067**	**0.11**	**0.65**	**0.58**	**2**	**1.1**	**1.1**
Nickel	**8.4**	**10**	**5.1**	**5.4**	**13**	**3.9**	**9.8**	**9.4**	**7.9**	**17**	**12**	**12**
Potassium	**820**	**940**	**760**	**580**	**670**	**570**	**820**	**500**	**770**	**600**	**710**	**860**
Selenium	**0.46**	< 1.8	< 1.8	**0.5**	**0.73**	< 1.8	< 2	**0.51**	**0.32**	**0.98**	**0.95**	**0.33**
Silver	< 1	**0.22**	< 0.89	< 0.98	**0.47**	< 0.9	< 1	**0.34**	< 0.94	**0.61**	**0.76**	**0.42**
Sodium	**110**	**230**	**39**	**91**	**140**	**41**	**140**	**80**	**92**	**190**	**240**	**86**
Thallium	< 2	< 1.8	< 1.8	< 2	< 1.8	**0.37**	< 2	< 1.7	< 1.9	< 1.9	< 1.9	< 1.9
Vanadium	**32**	**30**	**18**	**28**	**23**	**17**	**42**	**17**	**18**	**25**	**25**	**28**
Zinc	**31**	**180**	**40**	**36**	**430**	**16**	**35**	**240**	**70**	**580**	**470**	**260**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-021	DP-022	DP-022	DP-022	DP-023	DP-023	DP-023	DP-024	DP-024	DP-024	DP-024	DP-025
Sample Date	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/08/2015	07/08/2015	07/08/2015	07/07/2015	07/07/2015	07/08/2015	07/08/2015	07/07/2015
Sample Name	DP-021-SO-100-01	DP-022-SO-010-01	DP-022-SO-050-01	DP-022-SO-100-01	DP-023-SO-010-01	DP-023-SO-050-01	DP-023-SO-100-01	DP-024-SO-010-01	DP-024-SO-050-01	DP-024-SO-100-01	DP-024-SO-100-02	DP-025-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**10000**	**6000**	**4600**	**12000**	**5200**	**4700**	**7800**	**5000**	**6200**	**7500**	**11000**	**6600**
Antimony	< 5	**4.9**	**2.1**	< 5.2	**1.3**	< 4.6	< 5	**4**	**6.1**	< 4.8	< 4.9	**0.73**
Arsenic	**0.86**	**8.7**	**15**	**13**	**12**	**6.6**	**2.3**	**25**	**31**	**11**	**11**	**10**
Barium	**54**	**370**	**370**	**40**	**90**	**35**	**49**	**390**	**320**	**68**	**46**	**63**
Beryllium	**0.52**	**0.53**	**0.62**	**0.46**	**0.4**	**0.22**	**0.56**	**0.45**	**0.49**	**0.6**	**0.57**	**0.28**
Cadmium	< 1	**1.2**	**1.6**	< 1	**0.28**	**0.13**	< 1	**0.94**	**0.52**	< 0.96	< 0.99	< 0.89
Calcium	**1500**	**18000**	**13000**	**1600**	**7200**	**3100**	**1300**	**16000**	**15000**	**3500**	**1900**	**16000**
Chromium	**23**	**20**	**42**	**20**	**15**	**9.8**	**19**	**18**	**21**	**16**	**20**	**21**
Cobalt	**7**	**6.4**	**9.1**	**6.2**	**5.5**	**2.5**	**9.3**	**7.2**	**10**	**13**	**8.4**	**6**
Copper	**11**	**88**	**360**	**14**	**36**	**10**	**9.2**	**190**	**120**	**11**	**10**	**27**
Iron	**23000**	**32000**	**68000**	**27000**	**18000**	**10000**	**18000**	**31000**	**42000**	**18000**	**20000**	**15000**
Lead	**16**	**990**	**1000**	**8.4**	**190**	**38**	**23**	**1300**	**860**	**42**	**16**	**120**
Magnesium	**1100**	**1800**	**1000**	**1100**	**1500**	**790**	**840**	**2000**	**1300**	**810**	**1100**	**5700**
Manganese	**470**	**300**	**360**	**400**	**170**	**66**	**260**	**290**	**380**	**200**	**310**	**170**
Mercury	**0.17**	**0.98**	**2.2**	**0.04**	**0.83**	**0.43**	**0.05**	**14**	**1.9**	**0.06**	**0.04**	**0.37**
Nickel	**8.5**	**20**	**22**	**9.1**	**12**	**4.1**	**7.1**	**20**	**13**	**7.3**	**9.1**	**54**
Potassium	**870**	**710**	**580**	**980**	**560**	**490**	**660**	**630**	**620**	**590**	**820**	**700**
Selenium	< 2	**0.94**	**3.4**	< 2.1	< 1.8	< 1.8	**0.32**	< 1.8	< 1.8	< 1.9	< 2	< 1.8
Silver	< 1	**0.56**	**0.54**	< 1	< 0.88	< 0.92	< 1	**0.61**	**2.4**	< 0.96	< 0.99	< 0.89
Sodium	**90**	**100**	**360**	**90**	**150**	**30**	**87**	**220**	**270**	**78**	**100**	**49**
Thallium	< 2	< 1.8	< 2	< 2.1	< 1.8	< 1.8	< 2	< 1.8	< 1.8	< 1.9	< 2	< 1.8
Vanadium	**37**	**27**	**20**	**39**	**20**	**17**	**30**	**21**	**24**	**26**	**34**	**22**
Zinc	**30**	**540**	**850**	**32**	**140**	**79**	**26**	**780**	**810**	**37**	**37**	**120**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-025	DP-025	DP-026	DP-026	DP-026	DP-027	DP-027	DP-028	DP-028	DP-028	DP-029	DP-029
Sample Date	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015
Sample Name	DP-025-SO-050-01	DP-025-SO-100-01	DP-026-SO-010-01	DP-026-SO-050-01	DP-026-SO-100-01	DP-027-SO-010-01	DP-027-SO-080-01	DP-028-SO-010-01	DP-028-SO-010-02	DP-028-SO-095-01	DP-029-SO-010-01	DP-029-SO-090-01
Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	7.5 - 8 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	9 - 9.5 (ft)	0.5 - 1 (ft)	8.5 - 9 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**7400**	**14000**	**7300**	**6300**	**4100**	**1800**	**3600**	**5400**	**6300**	**3900**	**7000**	**5600**
Antimony	**22**	< 4.8	**2.4**	**20**	**3.3**	< 4.3	< 5.8	**2.4**	**1.1**	**4.5**	**3.1**	< 4.9
Arsenic	**32**	**14**	**12**	**40**	**9.7**	**0.93**	**2.9**	**14**	**5.4**	**7.1**	**8.2**	**3**
Barium	**360**	**55**	**110**	**730**	**220**	**16**	**86**	**120**	**90**	**420**	**140**	**110**
Beryllium	**0.68**	**0.68**	**0.48**	**0.69**	**0.37**	**0.09**	**0.26**	**0.41**	**0.38**	**0.46**	**0.4**	**0.32**
Cadmium	**1.3**	< 0.96	**0.06**	**0.4**	< 1.2	< 0.86	**0.31**	**0.78**	**0.3**	**0.27**	**2.2**	**0.28**
Calcium	**20000**	**900**	**16000**	**28000**	**7200**	**2400**	**62000**	**5800**	**5000**	**7400**	**12000**	**43000**
Chromium	**23**	**19**	**16**	**37**	**13**	**6.2**	**10**	**13**	**16**	**14**	**38**	**15**
Cobalt	**9**	**14**	**6.8**	**14**	**5.4**	**1.1**	**3.7**	**5.1**	**3.3**	**4.1**	**7.4**	**6.7**
Copper	**310**	**16**	**35**	**320**	**99**	**7.6**	**56**	**110**	**62**	**120**	**250**	**28**
Iron	**40000**	**26000**	**18000**	**52000**	**44000**	**5900**	**20000**	**21000**	**22000**	**19000**	**26000**	**15000**
Lead	**1500**	**17**	**270**	**7900**	**460**	**27**	**56**	**360**	**170**	**320**	**570**	**150**
Magnesium	**1400**	**2000**	**2000**	**1800**	**630**	**240**	**1400**	**960**	**690**	**1100**	**3000**	**1400**
Manganese	**380**	**170**	**200**	**570**	**270**	**39**	**370**	**170**	**130**	**120**	**240**	**420**
Mercury	**2.8**	**0.07**	**0.56**	**12**	**1**	**0.13**	**0.36**	**0.16**	**1.2**	**5.7**	**1.3**	**0.74**
Nickel	**27**	**15**	**13**	**20**	**8.9**	**2**	**7.7**	**7.8**	**6.3**	**12**	**30**	**9.2**
Potassium	**700**	**740**	**680**	**780**	**470**	**190**	**470**	**620**	**590**	**430**	**540**	**670**
Selenium	**1.3**	< 1.9	< 1.7	< 2	**5.2**	< 1.7	**1.6**	**0.42**	< 1.7	**0.87**	< 1.8	**0.4**
Silver	< 1.2	< 0.96	< 0.86	**3.3**	**0.3**	< 0.86	< 1.2	**0.45**	< 0.87	**0.49**	**0.47**	**0.28**
Sodium	**300**	**110**	**140**	**560**	**140**	< 170	**210**	**64**	**47**	**150**	**71**	**240**
Thallium	< 2.3	< 1.9	< 1.7	< 2	< 2.4	< 1.7	< 2.3	< 1.8	< 1.7	< 2.2	< 1.8	< 2
Vanadium	**31**	**36**	**25**	**29**	**18**	**8.8**	**15**	**19**	**25**	**18**	**28**	**18**
Zinc	**890**	**45**	**160**	**1100**	**670**	**18**	**270**	**320**	**190**	**250**	**400**	**170**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-030	DP-030	DP-031	DP-031	DP-032	DP-038	DP-038	DP-038	DP-039	DP-039	DP-039	DP-039
Sample Date	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/08/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015
Sample Name	DP-030-SO-010-01	DP-030-SO-100-01	DP-031-SO-010-01	DP-031-SO-100-01	DP-032-SO-010-01	DP-038-SO-010-01	DP-038-SO-050-01	DP-038-SO-100-01	DP-039-SO-010-01	DP-039-SO-050-01	DP-039-SO-050-02	DP-039-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**12000**	**9000**	**7500**	**12000**	**5600**	**7400**	**9900**	**8900**	**6300**	**6600**	**6600**	**8300**
Antimony	< 4.5	< 5.1	**1.4**	**2**	**2**	< 4.5	< 4.5	< 4.6	**1.1**	**160**	**190**	**0.94**
Arsenic	**2.7**	**1.8**	**3.8**	**5.4**	**3.6**	**3**	**3.3**	**5.8**	**4.3**	**10**	**12**	**4.5**
Barium	**68**	**70**	**84**	**56**	**87**	**45**	**29**	**20**	**84**	**230**	**200**	**77**
Beryllium	**0.44**	**0.79**	**0.44**	**0.62**	**0.29**	**0.38**	**0.35**	**0.38**	**0.34**	**0.56**	**0.61**	**0.83**
Cadmium	< 0.91	< 1	**0.98**	< 1.2	**1.2**	< 0.9	< 0.9	< 0.91	**0.2**	**0.31**	**0.3**	< 0.97
Calcium	**1400**	**2100**	**8400**	**2800**	**25000**	**14000**	**160**	**240**	**26000**	**7300**	**7800**	**1600**
Chromium	**18**	**20**	**23**	**22**	**21**	**14**	**18**	**13**	**14**	**20**	**17**	**19**
Cobalt	**7.8**	**13**	**4.6**	**12**	**5.6**	**5.4**	**3.6**	**3.3**	**6**	**7.4**	**8.6**	**15**
Copper	**14**	**14**	**42**	**18**	**100**	**12**	**10**	**14**	**29**	**140**	**220**	**19**
Iron	**23000**	**23000**	**27000**	**29000**	**21000**	**16000**	**19000**	**19000**	**16000**	**20000**	**18000**	**18000**
Lead	**34**	**55**	**220**	**36**	**230**	**21**	**5.5**	**9.4**	**110**	**2400**	**2400**	**59**
Magnesium	**1300**	**960**	**2500**	**1800**	**2800**	**1500**	**1100**	**1100**	**3300**	**1200**	**1100**	**870**
Manganese	**280**	**1100**	**150**	**170**	**190**	**150**	**69**	**56**	**320**	**320**	**300**	**340**
Mercury	**0.05**	**0.29**	**0.31**	**0.12**	**0.11**	**0.04**	< 0.08	< 0.08	**0.25**	**2.9**	**1.2**	**0.32**
Nickel	**9.6**	**8.6**	**20**	**11**	**24**	**11**	**8.6**	**6.3**	**7.7**	**12**	**14**	**8.6**
Potassium	**960**	**630**	**390**	**680**	**630**	**830**	**640**	**470**	**710**	**670**	**650**	**650**
Selenium	< 1.8	**0.34**	< 1.8	< 2.5	< 1.7	< 1.8	< 1.8	< 1.8	< 1.7	**0.38**	**0.3**	**0.69**
Silver	< 0.91	< 1	< 0.91	< 1.2	**0.26**	< 0.9	< 0.9	< 0.91	< 0.86	**0.62**	**0.44**	< 0.97
Sodium	**80**	**99**	**36**	**110**	**53**	**7800**	**12000**	**14000**	**56**	**86**	**89**	**75**
Thallium	< 1.8	< 2	< 1.8	< 2.5	< 1.7	< 1.8	< 1.8	< 1.8	< 1.7	< 1.8	< 1.9	< 1.9
Vanadium	**30**	**31**	**29**	**34**	**24**	**24**	**21**	**36**	**24**	**24**	**22**	**29**
Zinc	**54**	**40**	**220**	**56**	**230**	**37**	**29**	**24**	**80**	**240**	**380**	**50**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-040	DP-040	DP-040	DP-040	DP-041	DP-041	DP-041	DP-042	DP-042	DP-042	DP-042	DP-042
Sample Date	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/09/2015	07/17/2015	07/17/2015
Sample Name	DP-040-SO-010-01	DP-040-SO-050-01	DP-040-SO-100-01	DP-040-SO-100-02	DP-041-SO-010-01	DP-041-SO-050-01	DP-041-SO-100-01	DP-042-SO-010-01	DP-042-SO-050-01	DP-042-SO-100-01	DP-042-SO-010-02	DP-042-SO-050-02
Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**7500**	**5200**	**6100**	**7100**	**7600**	**8600**	**9600**	**7000**	**8900**	**9100**	**9600**	**8300**
Antimony	< 4.7	**1.7**	< 5.4	**4.3**	< 4.7	**0.84**	< 4.8	< 4.5	< 5.5	< 5	< 4.6	< 5.2
Arsenic	**4.4**	**17**	**8.3**	**14**	**5.7**	**17**	**3.7**	**6.6**	**11**	**5**	**2.5**	**11**
Barium	**82**	**360**	**220**	**520**	**110**	**200**	**69**	**120**	**260**	**72**	**240**	**270**
Beryllium	**0.36**	**0.52**	**0.53**	**0.74**	**0.49**	**0.73**	**0.78**	**0.42**	**0.75**	**0.67**	**0.77**	**0.73**
Cadmium	**0.18**	**0.34**	**0.09**	**0.44**	< 0.94	< 1	< 0.97	< 0.9	< 1.1	< 1	< 0.91	**0.13**
Calcium	**37000**	**9700**	**7200**	**12000**	**10000**	**7300**	**1300**	**19000**	**18000**	**2200**	**24000**	**11000**
Chromium	**14**	**12**	**10**	**22**	**13**	**14**	**15**	**11**	**12**	**15**	**24**	**16**
Cobalt	**5.8**	**6.4**	**6.6**	**11**	**5.5**	**8.1**	**10**	**5.1**	**8.5**	**7.4**	**8.4**	**8.5**
Copper	**26**	**160**	**31**	**240**	**33**	**43**	**11**	**30**	**78**	**14**	**39**	**54**
Iron	**16000**	**9600**	**7400**	**19000**	**16000**	**18000**	**17000**	**13000**	**10000**	**20000**	**23000**	**16000**
Lead	**120**	**700**	**64**	**500**	**150**	**310**	**35**	**140**	**380**	**35**	**140**	**400**
Magnesium	**2600**	**630**	**620**	**970**	**1000**	**920**	**910**	**1200**	**720**	**920**	**1600**	**810**
Manganese	**240**	**210**	**110**	**280**	**260**	**290**	**190**	**190**	**180**	**250**	**310**	**240**
Mercury	**0.28**	**0.91**	**0.13**	**3.3**	**0.26**	**1.2**	**0.18**	**0.57**	**0.19**	**0.21**	**0.18**	**0.08**
Nickel	**8.1**	**18**	**14**	**20**	**8.8**	**12**	**7.3**	**8.9**	**15**	**7.6**	**14**	**17**
Potassium	**860**	**520**	**760**	**700**	**790**	**920**	**640**	**960**	**1600**	**730**	**840**	**850**
Selenium	< 1.9	**0.48**	< 2.2	**0.6**	< 1.9	**0.41**	**0.5**	**0.41**	**0.5**	**1.2**	< 1.8	< 2.1
Silver	< 0.93	**0.46**	< 1.1	**0.48**	< 0.94	**0.25**	< 0.97	< 0.9	< 1.1	< 1	< 0.91	< 1
Sodium	**50**	**220**	**420**	**530**	**120**	**170**	**92**	**170**	**870**	**110**	**290**	**920**
Thallium	< 1.9	< 2.1	< 2.2	< 2.2	< 1.9	< 2	< 1.9	< 1.8	< 2.2	< 2	< 1.8	< 2.1
Vanadium	**22**	**21**	**22**	**37**	**24**	**33**	**26**	**21**	**31**	**27**	**37**	**33**
Zinc	**77**	**310**	**120**	**320**	**96**	**140**	**32**	**100**	**200**	**43**	**100**	**310**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-042	DP-043	DP-043	DP-043	DP-043	DP-043	DP-043	DP-044	DP-044	DP-044	DP-044	DP-044
Sample Date	07/17/2015	07/09/2015	07/09/2015	07/09/2015	07/17/2015	07/17/2015	07/17/2015	07/09/2015	07/09/2015	07/09/2015	07/17/2015	07/17/2015
Sample Name	DP-042-SO-100-02	DP-043-SO-010-01	DP-043-SO-050-01	DP-043-SO-100-01	DP-043-SO-010-02	DP-043-SO-050-02	DP-043-SO-100-02	DP-044-SO-010-01	DP-044-SO-050-01	DP-044-SO-100-01	DP-044-SO-010-02	DP-044-SO-050-02
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**5600**	**9300**	**7400**	**8700**	**5700**	**6500**	**8300**	**7100**	**6800**	**7900**	**7300**	**7700**
Antimony	< 4.8	< 4.6	< 4.7	< 4.8	< 4.2	< 4.5	< 5.1	< 4.4	< 5.2	**43**	< 4.3	< 5.2
Arsenic	**2.2**	**10**	**6.4**	**3.9**	< 4.2	**3.9**	< 1	**4.8**	**10**	**14**	**1.9**	**8.8**
Barium	**150**	**40**	**280**	**68**	**83**	**170**	**140**	**90**	**280**	**250**	**120**	**320**
Beryllium	**0.62**	**0.4**	**0.46**	**0.78**	**0.36**	**0.56**	**0.57**	**0.49**	**0.78**	**0.7**	**0.44**	**0.77**
Cadmium	< 0.97	< 0.92	< 0.94	< 0.96	< 0.85	**0.09**	**0.07**	**0.13**	**0.24**	**0.2**	**0.14**	**0.08**
Calcium	**5400**	**8400**	**31000**	**1400**	**10000**	**27000**	**5000**	**10000**	**6500**	**6300**	**18000**	**8900**
Chromium	**9.8**	**26**	**12**	**16**	**14**	**14**	**18**	**16**	**13**	**12**	**15**	**17**
Cobalt	**5.5**	**1.8**	**5.6**	**15**	**4.9**	**6.2**	**7.2**	**13**	**9.9**	**7.6**	**6.5**	**9**
Copper	**21**	**21**	**37**	**12**	**28**	**43**	**100**	**43**	**48**	**260**	**120**	**77**
Iron	**9400**	**48000**	**14000**	**17000**	**26000**	**13000**	**20000**	**20000**	**12000**	**8400**	**15000**	**9600**
Lead	**230**	**23**	**300**	**48**	**120**	**260**	**320**	**150**	**300**	**5100**	**160**	**490**
Magnesium	**700**	**650**	**1400**	**910**	**950**	**2400**	**1100**	**1000**	**580**	**690**	**1500**	**660**
Manganese	**150**	**67**	**220**	**890**	**210**	**180**	**690**	**340**	**190**	**150**	**210**	**180**
Mercury	**0.18**	**0.29**	**0.48**	**0.19**	**0.3**	**0.3**	**1.6**	**0.32**	**0.17**	**0.08**	**0.09**	**0.19**
Nickel	**9.8**	**2.7**	**9.4**	**8.9**	**9**	**13**	**10**	**10**	**17**	**15**	**11**	**18**
Potassium	**480**	**760**	**710**	**580**	**610**	**800**	**640**	**470**	**610**	**820**	**670**	**770**
Selenium	< 1.9	**0.78**	**0.48**	**0.31**	< 1.7	< 1.8	< 2	< 1.8	< 2.1	< 2.3	< 1.7	< 2.1
Silver	< 0.97	< 0.92	< 0.94	< 0.96	< 0.85	< 0.9	< 1	< 0.88	< 1	**1.3**	< 0.86	< 1
Sodium	**310**	**28**	**190**	**78**	**61**	**160**	**190**	**54**	**250**	**380**	**78**	**280**
Thallium	< 1.9	< 1.8	< 1.9	< 1.9	< 1.7	< 1.8	< 2	< 1.8	< 2.1	< 2.3	< 1.7	< 2.1
Vanadium	**17**	**53**	**23**	**25**	**34**	**26**	**27**	**28**	**32**	**40**	**24**	**36**
Zinc	**85**	**37**	**130**	**42**	**91**	**110**	**170**	**85**	**160**	**90**	**95**	**120**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-044	DP-045	DP-045	DP-045	DP-045	DP-045	DP-045	DP-046	DP-046	DP-047	DP-047	DP-047
Sample Date	07/17/2015	07/09/2015	07/09/2015	07/09/2015	07/17/2015	07/17/2015	07/17/2015	07/09/2015	07/09/2015	07/10/2015	07/10/2015	07/10/2015
Sample Name	DP-044-SO-100-02	DP-045-SO-010-01	DP-045-SO-050-01	DP-045-SO-100-01	DP-045-SO-010-02	DP-045-SO-050-02	DP-045-SO-100-02	DP-046-SO-010-01	DP-046-SO-100-01	DP-047-SO-010-01	DP-047-SO-010-02	DP-047-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**7100**	**8100**	**6200**	**8300**	**7800**	**7900**	**8900**	**7600**	**8400**	**8100**	**12000**	**17000**
Antimony	< 5	< 4.4	**1**	< 4.6	**7.2**	< 5	< 4.9	< 4.9	< 5	< 4.3	< 4.7	< 4.6
Arsenic	**5**	**5.1**	**10**	**6.3**	**9.8**	**5.5**	**2.1**	**8.2**	**5.6**	**10**	**10**	**14**
Barium	**200**	**66**	**380**	**100**	**110**	**210**	**97**	**290**	**79**	**77**	**89**	**84**
Beryllium	**0.57**	**0.38**	**0.59**	**0.66**	**0.58**	**0.83**	**0.7**	**0.55**	**0.84**	**0.41**	**0.48**	**0.57**
Cadmium	**0.13**	**0.15**	**0.3**	< 0.92	**0.49**	**0.1**	< 0.97	< 0.99	< 0.99	< 0.86	< 0.93	< 0.92
Calcium	**35000**	**13000**	**9500**	**2200**	**17000**	**5600**	**1700**	**52000**	**1600**	**14000**	**5000**	**1800**
Chromium	**14**	**21**	**13**	**14**	**16**	**14**	**18**	**12**	**15**	**13**	**18**	**19**
Cobalt	**8**	**5.6**	**8.4**	**9.4**	**7.2**	**8**	**16**	**5.5**	**13**	**5.2**	**5.5**	**11**
Copper	**47**	**24**	**41**	**28**	**33**	**56**	**28**	**33**	**15**	**13**	**21**	**16**
Iron	**12000**	**26000**	**9000**	**20000**	**16000**	**9300**	**14000**	**16000**	**18000**	**13000**	**16000**	**27000**
Lead	**240**	**68**	**400**	**60**	**160**	**250**	**100**	**380**	**55**	**59**	**77**	**2.4**
Magnesium	**920**	**1000**	**640**	**760**	**1600**	**600**	**920**	**1200**	**800**	**900**	**1000**	**2000**
Manganese	**200**	**230**	**190**	**540**	**290**	**220**	**140**	**220**	**340**	**240**	**240**	**520**
Mercury	**0.16**	**0.22**	**0.38**	**0.31**	**0.21**	**0.05**	**0.2**	**0.2**	**0.26**	**0.12**	**0.49**	**0.06**
Nickel	**13**	**7.9**	**17**	**7.4**	**15**	**17**	**10**	**9.6**	**7.2**	**7**	**8.2**	**15**
Potassium	**860**	**500**	**700**	**780**	**770**	**1000**	**690**	**830**	**600**	**570**	**700**	**860**
Selenium	**0.4**	< 1.8	< 2.1	**1.3**	< 8.6	< 2	**0.92**	**0.75**	**0.73**	< 1.7	< 1.9	< 1.8
Silver	< 1	< 0.88	< 1	< 0.92	< 0.86	< 0.99	< 0.97	< 0.99	< 0.99	< 0.86	< 0.93	< 0.92
Sodium	**600**	**35**	**280**	**160**	**110**	**280**	**160**	**140**	**81**	**37**	**36**	**30**
Thallium	< 2	< 1.8	< 2.1	< 1.8	< 1.7	< 2	< 1.9	< 2	< 2	< 1.7	< 1.9	< 1.8
Vanadium	**30**	**34**	**29**	**27**	**28**	**25**	**30**	**27**	**29**	**23**	**29**	**33**
Zinc	**110**	**53**	**360**	**94**	**98**	**130**	**57**	**100**	**52**	**66**	**84**	**60**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-047	DP-053	DP-053	DP-053	DP-054	DP-054	DP-054	DP-054	DP-055	DP-055	DP-055	DP-065
Sample Date	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/10/2015	07/13/2015
Sample Name	DP-047-SO-100-01	DP-053-SO-010-01	DP-053-SO-050-01	DP-053-SO-100-01	DP-054-SO-010-01	DP-054-SO-050-01	DP-054-SO-100-01	DP-054-SO-100-02	DP-055-SO-010-01	DP-055-SO-050-01	DP-055-SO-100-01	DP-065-SO-010-01
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**11000**	**7900**	**3100**	**10000**	**7400**	**3400**	**7600**	**6800**	**8000**	**8800**	**8100**	**9800**
Antimony	< 4.4	< 4.2	< 4.1	< 4.3	< 4.4	< 4.3	< 4.6	< 4.5	< 4.5	< 4.3	< 4.6	< 4.3
Arsenic	**13**	**22**	**7.4**	**8.7**	**7.4**	**3.7**	**9**	**9.8**	**11**	**9.8**	**9.1**	**2.5**
Barium	**53**	**45**	**19**	**84**	**70**	**22**	**73**	**78**	**28**	**63**	**72**	**71**
Beryllium	**0.64**	**0.21**	**0.27**	**0.68**	**0.33**	**0.17**	**0.54**	**0.55**	**0.51**	**0.5**	**0.6**	**0.55**
Cadmium	< 0.88	**0.09**	< 0.81	< 0.86	**0.07**	**0.09**	**0.18**	**0.23**	< 0.91	< 0.87	< 0.93	**0.15**
Calcium	**1800**	**25000**	**310**	**8700**	**75000**	**1900**	**9800**	**2300**	**1000**	**2200**	**1600**	**2000**
Chromium	**18**	**21**	**7.5**	**24**	**26**	**12**	**13**	**15**	**15**	**23**	**15**	**16**
Cobalt	**7.4**	**8.4**	**2.5**	**10**	**5.8**	**4**	**7.2**	**8**	**2.5**	**5.4**	**15**	**8.5**
Copper	**63**	**43**	**5**	**28**	**16**	**6.2**	**19**	**22**	**10**	**12**	**17**	**14**
Iron	**24000**	**20000**	**16000**	**21000**	**12000**	**6100**	**13000**	**14000**	**24000**	**19000**	**13000**	**21000**
Lead	**64**	**6.6**	< 4.1	< 4.3	**14**	**10**	**140**	**110**	< 4.5	**82**	**53**	**46**
Magnesium	**720**	**8900**	**590**	**6900**	**8900**	**1100**	**980**	**920**	**610**	**850**	**1000**	**1000**
Manganese	**390**	**290**	**100**	**310**	**320**	**92**	**210**	**210**	**80**	**130**	**310**	**400**
Mercury	**1.3**	**0.06**	< 0.07	< 0.07	**0.04**	**0.03**	**0.6**	**0.63**	**0.02**	**0.06**	**0.87**	**0.19**
Nickel	**9.2**	**18**	**5**	**26**	**30**	**6.8**	**11**	**11**	**4.8**	**6.6**	**10**	**11**
Potassium	**560**	**1200**	**220**	**5100**	**920**	**560**	**660**	**660**	**380**	**660**	**660**	**510**
Selenium	< 1.8	< 1.7	< 1.6	< 1.7	< 1.8	< 1.7	< 1.8	< 1.8	< 1.8	< 1.7	< 1.9	< 1.7
Silver	< 0.88	< 0.85	< 0.81	< 0.86	< 0.89	< 0.86	< 0.92	< 0.9	< 0.91	< 0.87	< 0.93	< 0.86
Sodium	**100**	**370**	**29**	**180**	**500**	**77**	**130**	**69**	**74**	**120**	**110**	**30**
Thallium	< 1.8	< 1.7	< 1.6	< 1.7	< 1.8	< 1.7	< 1.8	< 1.8	< 1.8	< 1.7	< 1.9	< 1.7
Vanadium	**31**	**66**	**11**	**28**	**34**	**11**	**20**	**21**	**29**	**32**	**21**	**22**
Zinc	**86**	**69**	**15**	**61**	**44**	**26**	**120**	**140**	**22**	**44**	**61**	**44**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-065	DP-065	DP-095	DP-095	DP-095	DP-096	DP-096	DP-096	DP-096	DP-097	DP-097	DP-097
Sample Date	07/13/2015	07/13/2015	07/15/2015	07/15/2015	07/15/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015
Sample Name	DP-065-SO-050-01	DP-065-SO-100-01	DP-095-SO-010-01	DP-095-SO-050-01	DP-095-SO-100-01	DP-096-SO-010-01	DP-096-SO-010-02	DP-096-SO-050-01	DP-096-SO-100-01	DP-097-SO-010-01	DP-097-SO-050-01	DP-097-SO-100-01
Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**5300**	**9800**	**8600**	**8400**	**9900**	**10000**	**9100**	**8300**	**7000**	**7600**	**8800**	**9200**
Antimony	< 4.6	< 4.7	< 4.3	< 4.4	< 4.5	< 4.2	< 4.1	< 4.4	< 4.5	< 4.3	< 4.5	< 4.8
Arsenic	**0.35**	**0.96**	**4**	**4**	**5.4**	**7.3**	**5.8**	**3.8**	**9.9**	**5.5**	**6.4**	**15**
Barium	**87**	**88**	**63**	**64**	**83**	**63**	**65**	**59**	**80**	**57**	**58**	**76**
Beryllium	**0.59**	**0.82**	**0.43**	**0.52**	**0.79**	**0.53**	**0.55**	**0.63**	**0.49**	**0.46**	**0.53**	**0.63**
Cadmium	**0.1**	< 0.94	< 0.85	< 0.88	< 0.9	< 0.84	< 0.82	< 0.88	< 0.9	< 0.85	< 0.9	**0.09**
Calcium	**300**	**1400**	**1800**	**2000**	**2300**	**5000**	**4800**	**1400**	**11000**	**5100**	**4900**	**1400**
Chromium	**9.3**	**15**	**14**	**13**	**16**	**16**	**16**	**15**	**12**	**16**	**15**	**34**
Cobalt	**6.8**	**13**	**6.6**	**6.1**	**8.6**	**7.8**	**8.3**	**9.3**	**7**	**6.6**	**7.4**	**15**
Copper	**8.1**	**7.4**	**15**	**12**	**15**	**17**	**15**	**16**	**18**	**16**	**18**	**60**
Iron	**20000**	**15000**	**16000**	**16000**	**46000**	**21000**	**17000**	**16000**	**16000**	**18000**	**19000**	**40000**
Lead	**8.1**	**22**	**36**	**30**	< 4.5	**30**	**22**	**2.4**	**130**	**24**	**26**	**4.2**
Magnesium	**510**	**1100**	**1300**	**980**	**2300**	**1500**	**1500**	**1800**	**2200**	**1400**	**1800**	**2400**
Manganese	**500**	**1800**	**150**	**110**	**590**	**240**	**220**	**130**	**290**	**160**	**220**	**830**
Mercury	< 0.08	**0.82**	**0.15**	**0.18**	**0.05**	**0.13**	**0.08**	**0.06**	**0.1**	**0.065**	**0.13**	< 0.08
Nickel	**10**	**9.8**	**9.5**	**7.8**	**13**	**12**	**11**	**14**	**9.2**	**13**	**12**	**30**
Potassium	**320**	**470**	**480**	**520**	**510**	**520**	**530**	**500**	**520**	**490**	**510**	**520**
Selenium	< 1.8	< 1.9	< 1.7	< 1.8	< 1.8	< 1.7	< 1.6	< 1.8	< 1.8	< 1.7	< 1.8	< 1.9
Silver	< 0.93	**0.33**	< 0.85	< 0.88	< 0.9	< 0.84	< 0.82	< 0.88	< 0.9	< 0.85	< 0.9	< 0.96
Sodium	< 180	< 190	**61**	**87**	**110**	**54**	**73**	**40**	**120**	**94**	**84**	**220**
Thallium	< 1.8	< 1.9	< 1.7	< 1.8	< 1.8	< 1.7	< 1.6	< 1.8	< 1.8	< 1.7	< 1.8	< 1.9
Vanadium	**13**	**22**	**23**	**22**	**20**	**26**	**24**	**22**	**20**	**22**	**23**	**28**
Zinc	**27**	**29**	**47**	**34**	**48**	**54**	**48**	**47**	**40**	**71**	**64**	**140**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-098	DP-098	DP-098	DP-099	DP-099	DP-099	DP-118	DP-118	DP-118	DP-118	DP-119	DP-119
Sample Date	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/16/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015
Sample Name	DP-098-SO-010-01	DP-098-SO-050-01	DP-098-SO-100-01	DP-099-SO-010-01	DP-099-SO-050-01	DP-099-SO-100-01	DP-118-SO-010-01	DP-118-SO-010-02	DP-118-SO-050-01	DP-118-SO-100-01	DP-119-SO-010-01	DP-119-SO-050-01
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**6100**	**7000**	**9000**	**11000**	**6300**	**8800**	**5200**	**6100**	**7400**	**8200**	**7000**	**6900**
Antimony	< 4	< 4.4	< 4.6	< 4.5	< 4.4	< 4.4	< 4.2	< 4.5	< 4.5	< 4.6	< 4.1	< 4.5
Arsenic	**3.9**	**4.1**	**5.3**	**6.7**	**5**	**4.8**	**2.8**	**2.2**	**3.7**	**4.5**	**6.3**	**3.8**
Barium	**41**	**69**	**80**	**64**	**95**	**85**	**32**	**130**	**51**	**62**	**44**	**150**
Beryllium	**0.31**	**0.7**	**0.58**	**0.43**	**0.52**	**0.49**	**0.22**	**0.24**	**0.67**	**0.59**	**0.23**	**0.59**
Cadmium	< 0.81	**0.09**	< 0.93	< 0.89	< 0.88	< 0.88	< 0.84	< 0.9	< 0.9	< 0.92	< 0.81	< 0.91
Calcium	**3200**	**2200**	**1000**	**28000**	**4100**	**660**	**29000**	**58000**	**990**	**570**	**48000**	**6900**
Chromium	**13**	**13**	**16**	**14**	**12**	**15**	**17**	**16**	**14**	**13**	**24**	**12**
Cobalt	**4.2**	**11**	**9.2**	**6.8**	**7.4**	**7.3**	**3.8**	**3.4**	**6.7**	**8.8**	**6.5**	**7.1**
Copper	**12**	**22**	**15**	**16**	**16**	**11**	**10**	**11**	**14**	**12**	**14**	**320**
Iron	**10000**	**12000**	**18000**	**19000**	**14000**	**19000**	**11000**	**9400**	**21000**	**22000**	**12000**	**13000**
Lead	**22**	**70**	**16**	**24**	**300**	< 4.4	**11**	**14**	**13**	**0.75**	**8.3**	**180**
Magnesium	**1100**	**1100**	**2000**	**1600**	**1000**	**1900**	**5000**	**11000**	**1700**	**2100**	**7800**	**1200**
Manganese	**100**	**140**	**120**	**290**	**110**	**110**	**110**	**150**	**140**	**220**	**140**	**160**
Mercury	**0.04**	**0.16**	**0.06**	**0.82**	**0.1**	**0.02**	**0.02**	**0.03**	< 0.07	**0.03**	**0.03**	**0.43**
Nickel	**7.8**	**14**	**14**	**10**	**11**	**13**	**26**	**14**	**11**	**13**	**71**	**9.8**
Potassium	**390**	**490**	**510**	**540**	**460**	**450**	**420**	**620**	**400**	**390**	**630**	**540**
Selenium	< 1.6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	**0.45**	**0.49**	**0.44**	**0.36**	**0.61**	**0.29**
Silver	< 0.81	< 0.88	< 0.93	< 0.89	< 0.88	< 0.88	< 0.84	< 0.9	< 0.9	< 0.92	< 0.81	< 0.91
Sodium	**24**	**44**	**68**	**30**	**51**	**64**	**140**	**220**	**63**	**86**	**360**	**230**
Thallium	< 1.6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.7	< 1.8	< 1.8	< 1.8	< 1.6	< 1.8
Vanadium	**19**	**20**	**22**	**27**	**19**	**18**	**23**	**22**	**19**	**18**	**22**	**20**
Zinc	**38**	**67**	**54**	**47**	**69**	**43**	**20**	**56**	**38**	**40**	**22**	**100**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-119	DP-120	DP-120	DP-120	DP-121	DP-121	DP-121	DP-122	DP-122	DP-122	DP-123	DP-123
Sample Date	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015	07/21/2015
Sample Name	DP-119-SO-100-01	DP-120-SO-010-01	DP-120-SO-050-01	DP-120-SO-100-01	DP-121-SO-010-01	DP-121-SO-050-01	DP-121-SO-100-01	DP-122-SO-010-01	DP-122-SO-050-01	DP-122-SO-100-01	DP-123-SO-010-01	DP-123-SO-050-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**3700**	**4000**	**7500**	**7900**	**2200**	**6800**	**6700**	**2600**	**7700**	**7500**	**3800**	**6300**
Antimony	**2.8**	< 4.1	< 4.6	< 4.8	< 4.1	< 4.4	< 4.5	< 4.2	< 4.6	< 4.5	< 4.3	< 4.4
Arsenic	**6.1**	**2**	**5.5**	**8**	**1.7**	**2.9**	**3**	**0.84**	**2.4**	**1.1**	**2**	**12**
Barium	**32**	**9.9**	**150**	**78**	**6.2**	**77**	**58**	**8.3**	**130**	**67**	**12**	**160**
Beryllium	**0.32**	**0.14**	**0.6**	**0.57**	**0.13**	**0.53**	**0.49**	**0.32**	**0.57**	**0.54**	**0.57**	**0.61**
Cadmium	< 0.88	< 0.82	**0.76**	< 0.96	< 0.82	< 0.89	< 0.9	< 0.84	< 0.92	< 0.91	< 0.86	**0.68**
Calcium	**2100**	**3500**	**8000**	**730**	**380**	**8900**	**1200**	**260**	**11000**	**2000**	**270**	**11000**
Chromium	**8.4**	**10**	**13**	**15**	**6.1**	**11**	**11**	**19**	**16**	**17**	**29**	**80**
Cobalt	**5.8**	**1**	**6.7**	**7.3**	**0.6**	**6.3**	**6.5**	**1.5**	**8.1**	**7.8**	**2.3**	**11**
Copper	**16**	**4**	**16**	**13**	**2.9**	**12**	**12**	**4.2**	**17**	**14**	**6.3**	**52**
Iron	**19000**	**9200**	**24000**	**24000**	**9000**	**16000**	**14000**	**16000**	**19000**	**18000**	**24000**	**17000**
Lead	**270**	**1.7**	**530**	**1.6**	< 4.1	**230**	**14**	**4.8**	**60**	**19**	**6.6**	**140**
Magnesium	**920**	**520**	**1600**	**1700**	**110**	**1400**	**1700**	**130**	**2700**	**2000**	**170**	**12000**
Manganese	**260**	**27**	**150**	**160**	**22**	**220**	**110**	**32**	**200**	**120**	**43**	**170**
Mercury	**0.07**	**0.02**	**1.7**	**0.03**	**0.02**	**0.23**	**0.03**	**0.02**	**0.09**	**0.1**	< 0.07	**0.29**
Nickel	**9.7**	**2.9**	**10**	**11**	**1.5**	**8.6**	**11**	**3.8**	**12**	**13**	**5.4**	**90**
Potassium	**300**	**200**	**580**	**450**	**100**	**550**	**380**	**140**	**830**	**510**	**210**	**620**
Selenium	< 1.8	< 1.6	**0.42**	< 1.9	< 1.6	**0.56**	< 1.8	< 1.7	< 1.8	< 1.8	< 1.7	**2.2**
Silver	**0.18**	< 0.82	< 0.92	< 0.96	< 0.82	< 0.89	< 0.9	< 0.84	< 0.92	< 0.91	< 0.86	< 0.88
Sodium	**69**	**440**	**180**	**130**	**40**	**170**	**130**	**62**	**340**	**160**	**200**	**370**
Thallium	< 1.8	< 1.6	< 1.8	< 1.9	< 1.6	< 1.8	< 1.8	< 1.7	< 1.8	< 1.8	< 1.7	< 1.8
Vanadium	**10**	**15**	**18**	**20**	**12**	**17**	**16**	**13**	**24**	**20**	**19**	**20**
Zinc	**27**	**5.7**	**260**	**36**	**4.2**	**50**	**43**	**9**	**180**	**43**	**14**	**270**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-123	DP-124	DP-124	DP-124	DP-125	DP-125	DP-125	DP-125	DP-126	DP-126	DP-126	DP-127
Sample Date	07/21/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015
Sample Name	DP-123-SO-100-01	DP-124-SO-010-01	DP-124-SO-050-01	DP-124-SO-100-01	DP-125-SO-010-01	DP-125-SO-050-01	DP-125-SO-100-01	DP-125-SO-100-02	DP-126-SO-010-01	DP-126-SO-050-01	DP-126-SO-100-01	DP-127-SO-010-01
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**7700**	**4900**	**5600**	**8100**	**4200**	**7000**	**10000**	**6200**	**5100**	**6200**	**6400**	**7600**
Antimony	< 4.6	< 4.3	< 4.5	< 4.7	< 4.2	< 4.8	< 4.7	< 4.7	< 4.5	< 4.2	< 4.5	< 4.3
Arsenic	**1.3**	**1.6**	**1.6**	< 0.94	**0.17**	**0.29**	< 0.94	< 0.93	**1.2**	**7.4**	< 0.91	**2.8**
Barium	**71**	**28**	**140**	**61**	**47**	**120**	**95**	**70**	**40**	**56**	**74**	**34**
Beryllium	**0.6**	**0.16**	**0.39**	**0.62**	**0.14**	**0.6**	**0.83**	**0.58**	**0.15**	**0.47**	**0.51**	**0.19**
Cadmium	< 0.93	< 0.86	< 0.9	< 0.94	< 0.84	< 0.96	< 0.94	< 0.93	< 0.9	< 0.85	< 0.91	< 0.86
Calcium	**1200**	**54000**	**36000**	**870**	**14000**	**11000**	**1600**	**4000**	**69000**	**950**	**15000**	**14000**
Chromium	**16**	**22**	**12**	**16**	**15**	**14**	**18**	**13**	**27**	**13**	**15**	**26**
Cobalt	**7.2**	**4.5**	**5.2**	**8.4**	**2.7**	**8.2**	**8.6**	**7.6**	**5.2**	**5.8**	**9.2**	**6.8**
Copper	**16**	**18**	**13**	**15**	**10**	**16**	**16**	**12**	**11**	**8.8**	**15**	**35**
Iron	**17000**	**12000**	**11000**	**17000**	**8100**	**16000**	**21000**	**17000**	**8300**	**18000**	**15000**	**16000**
Lead	**16**	**13**	**520**	**15**	**13**	**490**	**22**	**32**	**16**	**28**	**31**	**15**
Magnesium	**2100**	**17000**	**3700**	**2200**	**2900**	**1800**	**2900**	**1500**	**9000**	**970**	**1600**	**7100**
Manganese	**100**	**140**	**190**	**130**	**73**	**160**	**120**	**250**	**150**	**96**	**110**	**180**
Mercury	**0.09**	**0.02**	**0.73**	**0.09**	**0.02**	**0.45**	**0.06**	**0.02**	**0.03**	**0.55**	**0.12**	**0.04**
Nickel	**14**	**30**	**7.4**	**14**	**17**	**12**	**16**	**9.7**	**46**	**6.3**	**14**	**33**
Potassium	**520**	**370**	**720**	**500**	**400**	**590**	**530**	**490**	**490**	**500**	**470**	**660**
Selenium	< 1.9	< 1.7	**0.3**	**0.29**	< 1.7	< 1.9	< 1.9	< 1.9	< 1.8	**0.44**	**0.45**	< 1.7
Silver	< 0.93	< 0.86	< 0.9	< 0.94	< 0.84	< 0.96	< 0.94	< 0.93	< 0.9	< 0.85	< 0.91	< 0.86
Sodium	**150**	**220**	**300**	**140**	**430**	**330**	**170**	**120**	**230**	**120**	**170**	**94**
Thallium	< 1.9	< 1.7	< 1.8	< 1.9	< 1.7	< 1.9	**0.46**	< 1.9	< 1.8	**0.39**	< 1.8	< 1.7
Vanadium	**21**	**34**	**18**	**21**	**23**	**21**	**24**	**19**	**23**	**21**	**18**	**38**
Zinc	**44**	**22**	**99**	**46**	**13**	**140**	**60**	**66**	**24**	**57**	**44**	**29**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-127	DP-127	DP-128	DP-128	DP-128	DP-129	DP-129	DP-129	DP-130	DP-130	DP-130	DP-131
Sample Date	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015
Sample Name	DP-127-SO-050-01	DP-127-SO-100-01	DP-128-SO-010-01	DP-128-SO-050-01	DP-128-SO-100-01	DP-129-SO-010-01	DP-129-SO-050-01	DP-129-SO-100-01	DP-130-SO-010-01	DP-130-SO-050-01	DP-130-SO-100-01	DP-131-SO-010-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	1 (ft)	5 (ft)	10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**9000**	**10000**	**5700**	**7200**	**5800**	**9700**	**6200**	**8500**	**6000**	**3700**	**7900**	**5000**
Antimony	< 4.4	< 4.7	< 4.2	< 4.4	< 4.6	< 4.4	< 4.6	< 4.6	< 4.4	< 4.3	< 4.8	< 4
Arsenic	< 0.88	**0.67**	**9.7**	**0.94**	< 0.93	**1.3**	**5.9**	< 0.92	**1.4**	**0.94**	< 0.95	< 0.8
Barium	**70**	**29**	**34**	**43**	**54**	**40**	**91**	**70**	**51**	**16**	**72**	**9.2**
Beryllium	**0.39**	**0.23**	**0.25**	**0.3**	**0.52**	**0.29**	**0.56**	**0.64**	**0.43**	**0.16**	**0.66**	< 0.4
Cadmium	< 0.88	< 0.95	**0.09**	< 0.87	< 0.93	< 0.88	< 0.91	< 0.92	< 0.88	< 0.87	< 0.95	< 0.8
Calcium	**39000**	**1500**	**11000**	**1400**	**2600**	**930**	**4000**	**1100**	**3400**	**750**	**1300**	**2700**
Chromium	**43**	**14**	**26**	**10**	**14**	**17**	**14**	**18**	**23**	**13**	**16**	**11**
Cobalt	**7.1**	**3.2**	**5.7**	**5.2**	**6.9**	**3.2**	**8.2**	**9.5**	**7.7**	**1.4**	**7.7**	**6.6**
Copper	**21**	**12**	**24**	**12**	**14**	**6**	**17**	**16**	**17**	**6.2**	**16**	**53**
Iron	**14000**	**24000**	**16000**	**19000**	**14000**	**14000**	**15000**	**19000**	**20000**	**12000**	**19000**	**10000**
Lead	**22**	**13**	**40**	**21**	**22**	**12**	**64**	**14**	**73**	**23**	**39**	**3.7**
Magnesium	**7800**	**450**	**4600**	**600**	**1600**	**1300**	**1100**	**2600**	**4300**	**510**	**1900**	**3400**
Manganese	**280**	**81**	**150**	**140**	**110**	**84**	**260**	**160**	**200**	**26**	**200**	**93**
Mercury	**0.07**	**0.03**	**0.09**	**0.02**	**0.22**	**0.04**	**0.22**	**0.04**	**0.17**	**0.08**	**0.28**	< 0.07
Nickel	**32**	**5**	**31**	**6.7**	**9.2**	**10**	**9.6**	**16**	**43**	**4.4**	**12**	**11**
Potassium	**1400**	**380**	**360**	**390**	**440**	**380**	**460**	**470**	**430**	**200**	**440**	**270**
Selenium	< 1.8	< 1.9	**0.3**	**0.33**	< 1.9	**0.31**	< 1.8	< 1.8	< 1.8	**0.38**	**0.38**	< 1.6
Silver	< 0.88	< 0.95	< 0.85	< 0.87	< 0.93	< 0.88	< 0.91	< 0.92	< 0.88	< 0.87	< 0.95	< 0.8
Sodium	**94**	< 190	**120**	< 170	**170**	**62**	**42**	< 180	**160**	**86**	**39**	**390**
Thallium	< 1.8	**0.59**	< 1.7	< 1.7	**0.66**	**0.44**	< 1.8	**0.4**	< 1.8	**0.45**	< 1.9	< 1.6
Vanadium	**32**	**30**	**34**	**24**	**21**	**24**	**24**	**23**	**23**	**21**	**22**	**48**
Zinc	**32**	**21**	**41**	**34**	**36**	**19**	**48**	**52**	**62**	**13**	**46**	**18**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-131	DP-131	DP-132	DP-132	DP-132	DP-133	DP-133	DP-133	DP-133	DP-134	DP-134	DP-134
Sample Date	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015	07/22/2015
Sample Name	DP-131-SO-050-01	DP-131-SO-100-01	DP-132-SO-010-01	DP-132-SO-050-01	DP-132-SO-100-01	DP-133-SO-010-01	DP-133-SO-050-01	DP-133-SO-100-01	DP-133-SO-100-02	DP-134-SO-010-01	DP-134-SO-050-01	DP-134-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**4100**	**7600**	**5400**	**4300**	**9600**	**7400**	**12000**	**10000**	**10000**	**7900**	**7200**	**13000**
Antimony	< 4.5	< 4.5	< 4.2	< 4.3	< 4.7	< 4.4	< 4.7	< 4.6	< 4.6	< 4.3	< 4.4	< 4.7
Arsenic	**4.3**	< 0.89	**1.8**	**0.39**	**0.79**	**15**	**12**	**11**	**10**	**9.5**	**5.7**	**15**
Barium	**20**	**66**	**44**	**28**	**59**	**29**	**52**	**56**	**56**	**57**	**54**	**66**
Beryllium	**0.22**	**0.6**	**0.26**	**0.29**	**0.54**	< 0.44	**0.74**	**0.66**	**0.63**	**0.32**	**0.34**	**0.67**
Cadmium	< 0.9	< 0.89	**0.14**	< 0.86	< 0.94	< 0.89	< 0.94	< 0.93	< 0.92	**0.1**	**0.09**	< 0.95
Calcium	**3600**	**970**	**42000**	**1100**	**760**	**9100**	**100**	**120**	**110**	**40000**	**50000**	**1400**
Chromium	**26**	**16**	**12**	**10**	**19**	**16**	**19**	**14**	**15**	**47**	**26**	**20**
Cobalt	**6.4**	**8.1**	**4.1**	**3.2**	**7.3**	**7.5**	**8.4**	**15**	**11**	**8.6**	**5.3**	**10**
Copper	**19**	**14**	**19**	**7.5**	**12**	**49**	**15**	**14**	**14**	**20**	**15**	**15**
Iron	**13000**	**19000**	**12000**	**11000**	**20000**	**19000**	**25000**	**22000**	**21000**	**15000**	**10000**	**29000**
Lead	**34**	**12**	**77**	**19**	**26**	**10**	< 4.7	< 4.6	< 4.6	**23**	**21**	< 4.7
Magnesium	**6800**	**2200**	**2800**	**580**	**1300**	**4500**	**2600**	**2200**	**2200**	**11000**	**5800**	**2000**
Manganese	**130**	**180**	**140**	**64**	**140**	**170**	**250**	**460**	**290**	**230**	**200**	**260**
Mercury	**0.05**	**0.03**	**0.12**	**0.04**	**0.06**	**0.08**	**0.02**	**0.03**	**0.03**	**0.09**	**0.09**	**0.16**
Nickel	**55**	**13**	**8.5**	**4.7**	**9.6**	**15**	**14**	**13**	**13**	**86**	**30**	**12**
Potassium	**340**	**410**	**360**	**270**	**420**	**490**	**500**	**470**	**470**	**920**	**810**	**560**
Selenium	< 1.8	**0.35**	< 1.7	< 1.7	**0.45**	< 1.8	< 1.9	< 1.8	< 1.8	< 1.7	< 1.7	< 1.9
Silver	< 0.9	< 0.89	< 0.85	< 0.86	< 0.94	< 0.89	< 0.94	< 0.93	< 0.92	< 0.86	< 0.87	< 0.95
Sodium	**160**	**85**	**68**	**44**	**110**	**340**	**73**	**87**	**78**	**380**	**260**	**83**
Thallium	< 1.8	< 1.8	< 1.7	< 1.7	< 1.9	< 1.8	< 1.9	< 1.8	< 1.8	< 1.7	< 1.7	< 1.9
Vanadium	**25**	**20**	**20**	**15**	**33**	**70**	**28**	**24**	**24**	**35**	**23**	**32**
Zinc	**28**	**43**	**52**	**27**	**33**	**46**	**49**	**46**	**45**	**37**	**30**	**44**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-135	DP-135	DP-137	DP-137	DP-137	DP-138	DP-138	DP-138	DP-139	DP-139	DP-139	DP-139
Sample Date	07/22/2015	07/22/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015
Sample Name	DP-135-SO-010-01	DP-135-SO-050-01	DP-137-SO-010-01	DP-137-SO-050-01	DP-137-SO-100-01	DP-138-SO-010-01	DP-138-SO-050-01	DP-138-SO-100-01	DP-139-SO-010-01	DP-139-SO-050-01	DP-139-SO-100-01	DP-139-SO-100-02
Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**6900**	**8600**	**5300**	**9400**	**13000**	**7100**	**6800**	**3400**	**3800**	**6700**	**6700**	**8200**
Antimony	< 4.5	< 4.4	< 4.4	**0.86**	< 4.7	**1.4**	< 4.7	**2.7**	< 4.4	**1.2**	**2.1**	**4**
Arsenic	**11**	**5.3**	**5.8**	**7.1**	**5.6**	**3.8**	**8.9**	**7**	**2.9**	**10**	**11**	**14**
Barium	**53**	**75**	**13**	**150**	**350**	**42**	**63**	**45**	**7.4**	**62**	**91**	**92**
Beryllium	**0.36**	**0.45**	< 0.44	**0.55**	**0.68**	**0.36**	**0.68**	**0.24**	< 0.44	**0.54**	**0.49**	**0.6**
Cadmium	**0.12**	**0.07**	< 0.87	< 0.91	< 0.95	< 0.84	**0.08**	**0.08**	< 0.87	**0.38**	**0.3**	**0.34**
Calcium	**55000**	**54000**	**36000**	**4000**	**2200**	**8000**	**1400**	**28000**	**590**	**8600**	**10000**	**11000**
Chromium	**46**	**30**	**12**	**19**	**19**	**14**	**14**	**11**	**7.2**	**14**	**15**	**19**
Cobalt	**8.3**	**4.4**	**4.2**	**7.6**	**6.5**	**7.2**	**9.1**	**4.6**	< 1.7	**7.6**	**8.1**	**7.3**
Copper	**12**	**11**	**26**	**30**	**14**	**15**	**14**	**11**	**2**	**23**	**47**	**54**
Iron	**21000**	**9400**	**10000**	**19000**	**23000**	**17000**	**16000**	**9400**	**6000**	**18000**	**18000**	**24000**
Lead	**15**	**24**	**6.2**	**200**	**18**	**40**	**9.2**	**55**	**1.9**	**140**	**230**	**400**
Magnesium	**12000**	**7000**	**20000**	**1600**	**1600**	**1200**	**1400**	**1000**	**120**	**1500**	**1400**	**3600**
Manganese	**210**	**500**	**150**	**370**	**260**	**200**	**140**	**180**	**3.9**	**180**	**220**	**240**
Mercury	**0.06**	**0.05**	**0.04**	**1.6**	**0.03**	**0.51**	**0.12**	**0.52**	**1.1**	**0.47**	**1.1**	**2.1**
Nickel	**78**	**19**	**11**	**12**	**10**	**9.1**	**12**	**6.5**	**0.56**	**12**	**14**	**21**
Potassium	**600**	**750**	**360**	**800**	**710**	**590**	**590**	**360**	**160**	**600**	**600**	**660**
Selenium	< 1.8	< 1.8	**0.41**	**0.38**	**0.38**	< 1.7	< 1.9	< 1.8	< 1.7	< 1.8	< 1.8	< 1.8
Silver	< 0.9	< 0.88	< 0.87	< 0.91	< 0.95	< 0.84	< 0.94	< 0.91	< 0.87	< 0.89	< 0.91	< 0.92
Sodium	**150**	**250**	**310**	**96**	**86**	**58**	**64**	**140**	**51**	**170**	**140**	**140**
Thallium	< 1.8	< 1.8	< 1.7	< 1.8	< 1.9	< 1.7	< 1.9	< 1.8	< 1.7	< 1.8	< 1.8	< 1.8
Vanadium	**26**	**38**	**38**	**22**	**29**	**24**	**21**	**16**	**16**	**22**	**21**	**30**
Zinc	**34**	**31**	**26**	**120**	**560**	**39**	**42**	**50**	**1.3**	**72**	**160**	**180**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-140	DP-140	DP-140	DP-141	DP-141	DP-141	DP-151	DP-151	DP-151	DP-152	DP-152	DP-152
Sample Date	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/23/2015	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016
Sample Name	DP-140-SO-010-01	DP-140-SO-050-01	DP-140-SO-100-01	DP-141-SO-010-01	DP-141-SO-050-01	DP-141-SO-100-01	DP-151-SO-010-01	DP-151-SO-050-01	DP-151-SO-100-01	DP-152-SO-010-01	DP-152-SO-050-01	DP-152-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	4.5 - 5 (ft)	9.5 - 10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**3800**	**7000**	**3600**	**7200**	**9300**	**3400**	**6200**	**7700**	**7900**	**16000**	**15000**	**9500**
Antimony	< 4.3	**1**	**10**	< 4.3	< 4.5	**0.79**	< 4.8	< 4.9	**1.1**	< 4.6	< 4.6	< 4.4
Arsenic	**5.7**	**47**	**33**	**8.6**	**10**	**6.4**	**5.9**	**6.2**	**15**	**9.2**	**9.2**	**5.9**
Barium	**10**	**150**	**310**	**100**	**90**	**120**	**38**	**67**	**340**	**60**	**65**	**30**
Beryllium	< 0.43	**1.2**	**0.53**	**0.59**	**0.7**	**0.27**	**0.38**	**0.59**	**0.66**	**0.59**	**0.59**	**0.52**
Cadmium	< 0.86	**0.23**	**7.6**	**0.28**	**0.16**	**0.24**	< 0.96	< 0.98	< 0.91	< 0.93	< 0.92	< 4.4
Calcium	**820**	**3400**	**4100**	**5000**	**2500**	**6700**	**3700**	**2800**	**7300**	**1500**	**1400**	**2400**
Chromium	**10**	**14**	**16**	**15**	**15**	**7.9**	**11**	**16**	**26**	**22**	**19**	**18**
Cobalt	**3**	**8.5**	**4.7**	**7.9**	**6.4**	**3.6**	**5.7**	**13**	**7.8**	**11**	**9.7**	**8**
Copper	**5.5**	**48**	**75**	**28**	**14**	**18**	**10**	**12**	**89**	**14**	**16**	**20**
Iron	**11000**	**20000**	**33000**	**15000**	**18000**	**8500**	**14000**	**19000**	**28000**	**28000**	**27000**	**38000**
Lead	**1.9**	**240**	**1100**	**84**	**38**	**360**	**24**	**30**	**750**	**35**	**790**	**7.1**
Magnesium	**450**	**940**	**580**	**1300**	**1400**	**510**	**830**	**830**	**900**	**1800**	**1800**	**950**
Manganese	**47**	**280**	**220**	**130**	**190**	**160**	**170**	**270**	**360**	**460**	**360**	**160**
Mercury	**0.02**	**13**	**0.46**	**1.5**	**1.6**	**1.2**	**0.06**	**0.43**	**8.4**	**0.09**	**0.08**	**0.14**
Nickel	**2.2**	**14**	**9.5**	**11**	**10**	**6.8**	**6.8**	**7.4**	**12**	**12**	**12**	**8.9**
Potassium	**160**	**580**	**280**	**550**	**550**	**420**	**440**	**640**	**720**	**890**	**770**	**540**
Selenium	< 1.7	**2.5**	**0.49**	< 1.7	< 1.8	< 1.9	< 1.9	< 2	**0.29**	< 1.9	< 1.8	< 1.8
Silver	< 0.86	< 0.9	< 1	< 0.85	< 0.89	< 0.94	< 0.96	< 0.98	**0.46**	< 0.93	< 0.92	< 0.88
Sodium	**110**	**210**	**190**	**140**	**60**	**150**	**27**	**74**	**170**	**26**	**27**	**44**
Thallium	< 1.7	< 1.8	< 2	< 1.7	< 1.8	< 1.9	< 1.9	< 2	< 1.8	< 1.9	< 1.8	< 1.8
Vanadium	**22**	**27**	**16**	**24**	**25**	**13**	**19**	**27**	**26**	**34**	**31**	**53**
Zinc	**7**	**110**	**1900**	**100**	**69**	**130**	**33**	**36**	**330**	**54**	**52**	**36**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-153	DP-153	DP-153	DP-154	DP-154	DP-154	DP-155	DP-155	DP-155	DP-156	DP-156	DP-156
Sample Date	07/20/2016	07/20/2016	07/20/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016
Sample Name	DP-153-SO-010-01	DP-153-SO-050-01	DP-153-SO-100-01	DP-154-SO-010-01	DP-154-SO-050-01	DP-154-SO-100-01	DP-155-SO-010-01	DP-155-SO-050-01	DP-155-SO-100-01	DP-156-SO-010-01	DP-156-SO-050-01	DP-156-SO-100-01
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**6800**	**3800**	**11000**	**5900**	**3400**	**4900**	**5800**	**7200**	**14000**	**7600**	**12000**	**9200**
Antimony	< 4.7	**12**	< 6.1	**20**	**18**	**0.91**	**7.9**	**44**	< 4.6	**3.2**	< 5.2	**1.3**
Arsenic	**5.5**	**8.9**	**14**	**22**	**35**	**3.7**	**15**	**11**	**7.2**	**7.1**	**5.3**	**9.9**
Barium	**27**	**250**	**380**	**330**	**200**	**74**	**190**	**330**	**67**	**100**	**77**	**150**
Beryllium	**0.52**	**0.17**	**0.76**	**0.23**	**0.13**	**0.24**	**0.1**	**0.25**	**0.49**	**0.35**	**0.46**	**0.63**
Cadmium	< 0.94	**1.6**	< 1.2	**6.2**	**62**	**0.56**	**5.7**	**14**	< 0.92	**0.21**	**0.16**	**0.26**
Calcium	**940**	**28000**	**16000**	**38000**	**19000**	**2300**	**29000**	**45000**	**1500**	**3600**	**2500**	**2800**
Chromium	**12**	**53**	**34**	**400**	**190**	**12**	**240**	**160**	**19**	**13**	**16**	**12**
Cobalt	**7.6**	**8.1**	**10**	**24**	**18**	**7.4**	**14**	**13**	**9.1**	**6.2**	**8.7**	**8.7**
Copper	**12**	**290**	**95**	**1000**	**14000**	**32**	**910**	**440**	**13**	**37**	**13**	**91**
Iron	**16000**	**43000**	**27000**	**330000**	**250000**	**12000**	**220000**	**64000**	**24000**	**11000**	**19000**	**8200**
Lead	**4.1**	**670**	**1200**	**1100**	**3200**	**180**	**1400**	**2200**	**17**	**380**	**67**	**160**
Magnesium	**1100**	**1700**	**1600**	**5200**	**1900**	**1400**	**6600**	**6700**	**1700**	**950**	**1100**	**480**
Manganese	**230**	**440**	**200**	**2500**	**820**	**180**	**2800**	**430**	**290**	**100**	**440**	**110**
Mercury	**0.04**	**3.3**	**1**	**2.6**	**2.6**	**6.3**	**7.3**	**15**	**0.065**	**0.45**	**0.22**	**0.11**
Nickel	**8.2**	**32**	**16**	**390**	**150**	**11**	**98**	**53**	**12**	**9**	**9.3**	**20**
Potassium	**380**	**600**	**1000**	**650**	**350**	**630**	**580**	**1200**	**720**	**720**	**800**	**580**
Selenium	< 1.9	**0.32**	**0.94**	**0.32**	**0.27**	**0.63**	**1.9**	**0.78**	< 1.8	**0.36**	**0.31**	< 2.6
Silver	< 0.94	**1.6**	**0.31**	**3.9**	**0.7**	< 1	**0.19**	**1.3**	< 0.92	**0.22**	< 1	**1.7**
Sodium	**210**	**200**	**390**	**540**	**340**	**140**	**380**	**640**	**210**	**150**	**130**	**350**
Thallium	< 1.9	< 2	< 2.4	< 2	**1.2**	< 2.1	< 1.8	< 1.8	< 1.8	< 2	< 2.1	< 2.6
Vanadium	**20**	**26**	**37**	**77**	**20**	**14**	**100**	**28**	**29**	**20**	**28**	**29**
Zinc	**31**	**2100**	**330**	**3200**	**3100**	**280**	**3400**	**4500**	**47**	**160**	**60**	**240**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-156	DP-156	DP-157	DP-157	DP-157	DP-158	DP-158	DP-158	DP-160	DP-160	DP-160	DP-161
Sample Date	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/20/2016	07/20/2016	07/20/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016
Sample Name	DP-156-SO-050-02	DP-156-SO-100-02	DP-157-SO-010-01	DP-157-SO-050-01	DP-157-SO-100-01	DP-158-SO-010-01	DP-158-SO-050-01	DP-158-SO-100-01	DP-160-SO-010-01	DP-160-SO-050-01	DP-160-SO-100-01	DP-161-SO-010-01
Sample Type	FD	FD	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**6400**	**2800**	**14000**	**9100**	**7800**	**7600**	**7100**	**9000**	**10000**	**9600**	**7800**	**10000**
Antimony	< 4.9	< 5.2	< 4.5	< 4.7	< 4.7	**54**	**6.1**	< 4.6	< 4.8	< 5	**1.2**	< 5
Arsenic	**4.7**	**5.2**	**7**	**4.2**	**5.9**	**29**	**26**	**9**	**2.3**	**2.4**	**6.6**	**3.5**
Barium	**77**	**110**	**45**	**35**	**63**	**730**	**300**	**52**	**56**	**48**	**97**	**62**
Beryllium	**0.38**	**0.23**	**0.49**	**0.26**	**0.34**	**0.47**	**0.27**	**0.4**	**0.75**	**0.72**	**0.42**	**0.84**
Cadmium	< 0.98	< 1	< 0.9	< 0.93	< 0.94	**93**	**8.4**	< 0.92	< 0.96	< 1	**0.21**	< 1
Calcium	**1800**	**2300**	**2000**	**2300**	**1200**	**19000**	**44000**	**1600**	**6300**	**4100**	**5600**	**8800**
Chromium	**12**	**4.8**	**15**	**11**	**13**	**350**	**120**	**20**	**52**	**44**	**13**	**45**
Cobalt	**6.8**	**4.1**	**9.3**	**5.1**	**6.1**	**130**	**15**	**8.1**	**16**	**17**	**7.5**	**19**
Copper	**11**	**18**	**16**	**57**	**11**	**1900**	**2700**	**420**	**28**	**29**	**15**	**38**
Iron	**17000**	**3000**	**22000**	**12000**	**21000**	**210000**	**130000**	**24000**	**23000**	**22000**	**16000**	**26000**
Lead	**73**	**27**	**15**	**60**	**23**	**5500**	**1900**	**600**	**9.8**	**11**	**260**	**41**
Magnesium	**690**	**240**	**1600**	**590**	**1100**	**2500**	**3200**	**450**	**3600**	**2900**	**1100**	**3200**
Manganese	**370**	**56**	**280**	**110**	**250**	**1300**	**790**	**280**	**330**	**360**	**270**	**470**
Mercury	**0.23**	**0.04**	**0.1**	**0.33**	**0.65**	**23**	**2.9**	**0.37**	**0.03**	**0.03**	**0.16**	**0.05**
Nickel	**5.8**	**8.8**	**13**	**6.2**	**8.7**	**1100**	**93**	**6.3**	**20**	**17**	**10**	**20**
Potassium	**720**	**260**	**710**	**440**	**910**	**1000**	**870**	**590**	**1300**	**1200**	**550**	**1500**
Selenium	< 2	< 2.1	**0.44**	< 1.9	< 1.9	**6.2**	< 1.8	< 1.8	**0.34**	**0.34**	**0.52**	**0.65**
Silver	< 0.98	< 1	< 0.9	< 0.93	< 0.94	**2.4**	**1.8**	< 0.92	< 0.96	< 1	< 0.97	< 1
Sodium	**130**	**190**	**250**	**140**	**280**	**1400**	**360**	**80**	**110**	**110**	**62**	**150**
Thallium	< 2	< 2.1	< 1.8	< 1.9	< 1.9	< 1.9	< 1.8	< 1.8	< 1.9	< 2	< 1.9	< 2
Vanadium	**26**	**15**	**24**	**18**	**19**	**41**	**54**	**34**	**62**	**63**	**18**	**75**
Zinc	**50**	**56**	**49**	**44**	**45**	**21000**	**8800**	**100**	**50**	**48**	**700**	**62**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	DP-161	DP-161	DP-162	DP-162	DP-162	DP-163	DP-163	DP-163	DP-163	DP-163	GSS-603-800-3	GSS-603-800-3
Sample Date	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	07/21/2016	04/10/2015	04/10/2015
Sample Name	DP-161-SO-050-01	DP-161-SO-100-01	DP-162-SO-010-01	DP-162-SO-050-01	DP-162-SO-100-01	DP-163-SO-010-01	DP-163-SO-050-01	DP-163-SO-100-01	DP-163-SO-010-02	DP-163-SO-050-02	GSS-603-800-3-1	GSS-603-800-3-2
Sample Type	N	N	N	N	N	N	N	N	FD	FD	N	N
Sample Depth (bgs)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	3.5 - 5 (ft)	8.5 - 10 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	**8300**	**7500**	**7800**	**10000**	**6800**	**4400**	**4700**	**5900**	**2500**	**6300**	**4470**	**3420**
Antimony	< 5	**1.2**	< 4.9	**1.3**	**0.78**	**2.5**	**11**	**1.7**	**0.78**	< 4.7	< 0.62	**2.4**
Arsenic	**2.4**	**9.8**	**3.5**	**4.8**	**4.4**	**9.3**	**16**	**22**	**6**	**6.8**	**9.6**	**17.6**
Barium	**45**	**110**	**68**	**73**	**53**	**92**	**150**	**140**	**59**	**69**	**150**	**126**
Beryllium	**0.64**	**0.37**	**0.56**	**0.53**	**0.34**	**0.27**	**0.28**	**0.43**	**0.18**	**0.33**	**0.48**	**0.24**
Cadmium	< 1	**0.28**	**0.44**	< 0.94	< 0.95	**0.83**	**1.5**	**3.1**	**0.32**	< 0.94	**0.39**	**0.54**
Calcium	**4600**	**69000**	**52000**	**2100**	**12000**	**7500**	**9900**	**6700**	**9400**	**3000**	**4430**	**6950**
Chromium	**37**	**16**	**24**	**20**	**12**	**13**	**14**	**16**	**7**	**13**	**7.9**	**13.9**
Cobalt	**18**	**9.1**	**9**	**8.7**	**5.8**	**7.6**	**11**	**8.4**	**3.5**	**6.7**	**4.1**	**5.4**
Copper	**27**	**30**	**40**	**12**	**11**	**46**	**120**	**74**	**30**	**20**	**50**	**67.4**
Iron	**21000**	**25000**	**13000**	**14000**	**14000**	**15000**	**19000**	**13000**	**8300**	**15000**	**2980**	**19800**
Lead	**12**	**140**	**51**	**21**	**93**	**360**	**830**	**230**	**300**	**180**	**79.1**	**500**
Magnesium	**2300**	**2900**	**4300**	**2200**	**1200**	**1000**	**1000**	**640**	**850**	**860**	**345**	**1160**
Manganese	**420**	**420**	**240**	**280**	**170**	**260**	**360**	**240**	**140**	**320**	**66**	**165**
Mercury	**0.03**	**2.4**	**0.27**	**0.09**	**0.08**	**0.8**	**3**	**1.1**	**1.4**	**0.41**	**0.071**	**0.42**
Nickel	**15**	**11**	**13**	**21**	**7.9**	**7.7**	**9**	**25**	**4.9**	**7.9**	**9.2**	**12.6**
Potassium	**1100**	**1000**	**1500**	**480**	**570**	**620**	**530**	**550**	**410**	**560**	**894**	**551**
Selenium	< 2	**0.68**	< 1.9	**0.5**	**0.66**	< 1.8	**0.45**	**4.2**	< 1.9	< 1.9	< 1.2	< 0.97
Silver	< 1	< 1.1	< 0.97	< 0.94	< 0.95	**0.26**	**0.52**	**0.61**	**0.48**	< 0.94	< 0.62	**0.53**
Sodium	**85**	**320**	**410**	**65**	**89**	**110**	**340**	**170**	**100**	**79**	< 624	< 485
Thallium	< 2	< 2.2	< 1.9	< 1.9	< 1.9	< 1.8	< 1.8	< 2.3	< 1.9	< 1.9	< 1.2	< 0.97
Vanadium	**60**	**22**	**27**	**22**	**17**	**18**	**19**	**25**	**9.9**	**23**	**23**	**15.8**
Zinc	**39**	**190**	**190**	**30**	**44**	**370**	**740**	**600**	**210**	**140**	**148**	**518**

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 5
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS – METALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-605-7-2	GTW-605-802-10	GTW-605-802-2	GTW-605-802-6	GTW-605-802-7	GTW-605-802-9	GTW-607-13-1	GTW-607-13-2	WSP_SB-1	WSP_SB-2	WSP_SB-3	WSP_SB-4
Sample Date	09/19/2014	04/21/2015	04/22/2015	04/09/2015	04/10/2015	04/09/2015	12/05/2013	12/05/2013	01/17/2011	01/17/2011	01/17/2011	01/17/2011
Sample Name	GTW-605-7-2-5	GTW-605-802-10-1	GTW-605-802-2-1	GTW-605-802-6-1	GTW-605-802-7-1	GTW-605-802-9-1	GTW607-13-1-3	GTW607-13-2-2	WSP_SB-1_011711_7-9	WSP_SB-2_011711_7-9	WSP_SB-3_011711_8-10	WSP_SB-4_011711_7-9
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2 (ft)	1.5 - 5 (ft)	5 - 10 (ft)	3 - 5 (ft)	5 - 8 (ft)	3 - 5 (ft)	1 (ft)	5 - 2 (ft)	7 - 9 (ft)	7 - 9 (ft)	8 - 10 (ft)	7 - 9 (ft)
Inorganic Compounds (mg/kg)												
Aluminum	-	**8420**	**7360**	**3030**	**4400**	**4860**	-	-	-	-	-	-
Antimony	-	**16.9**	< 0.45	**1.1**	**2.4**	**3.2**	< 0.49	< 0.54	-	-	-	-
Arsenic	**8.2**	**7.6**	**7.1**	**12.7**	**3.9**	**14.8**	**7.1**	**4.8**	**12.7**	**12.9**	**6.3**	**6.7**
Barium	**77.2**	**159**	**68.3**	**106**	**53.2**	**246**	-	-	**1100**	**299**	**73.5**	**109**
Beryllium	-	**0.083**	**0.87**	**0.42**	**0.91**	**0.37**	**0.78**	**0.5**	-	-	-	-
Cadmium	**0.26**	**4.8**	< 0.09	**0.18**	**0.25**	**2.1**	**0.39**	< 0.11	**1.3**	**0.67**	**0.59**	**0.71**
Calcium	-	**72600**	**1830**	**4670**	**4120**	**9020**	-	-	-	-	-	-
Chromium	**15.1**	**47.7**	**9.1**	**6**	**9.8**	**19.4**	**18.2**	**10.3**	**10.9**	**16.9**	**32**	**19.1**
Cobalt	-	**11.2**	**20.4**	**3.3**	**3.9**	**5.8**	-	-	-	-	-	-
Copper	-	**662**	**7**	**55.3**	**53.1**	**104**	**18.9**	**37.9**	-	-	-	-
Iron	-	**37100**	**16000**	**7130**	**14700**	**24100**	-	-	-	-	-	-
Lead	**121**	**1740**	**14.8**	**302**	**62.1**	**475**	**9.4**	**170**	**273**	**4360**	**81.9**	**217**
Magnesium	-	**4460**	**672**	**335**	**392**	**1500**	-	-	-	-	-	-
Manganese	-	**348**	**2310**	**73.1**	**57.6**	**297**	-	-	-	-	-	-
Mercury	**0.089**	**0.4**	**0.049**	**0.12**	**0.021**	**0.19**	**0.03**	**4**	**0.36**	**0.19**	**0.51**	**0.52**
Nickel	-	**279**	**6.9**	**8.3**	**9.6**	**15.3**	**11**	**6.9**	**0.36**	**0.19**	**0.51**	**0.52**
Potassium	-	**1310**	**517**	< 550	< 596	**790**	-	-	-	-	-	-
Selenium	< 0.99	< 0.8	< 0.9	< 1.1	< 1.2	< 1.1	< 0.99	< 1.1	**2.2**	**2.7**	**2.4**	**2.5**
Silver	< 0.49	**1.6**	< 0.45	< 0.55	**0.73**	**0.87**	< 0.49	< 0.54	**0.55**	**0.67**	**0.59**	**0.63**
Sodium	-	**585**	< 450	< 550	< 596	< 537	-	-	-	-	-	-
Thallium	-	< 0.8	< 0.9	< 1.1	< 1.2	< 1.1	< 0.99	< 1.1	-	-	-	-
Vanadium	-	**890**	**22.2**	**13.6**	**19.8**	**21.1**	-	-	-	-	-	-
Zinc	-	**1560**	**19**	**76.5**	**41.7**	**371**	**31.7**	**78.5**	-	-	-	-

Notes:
Concentrations in milligrams per kilogram (mg/kg)

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	B-22	B-5	B-5	GTW-605-7-1	GTW-60	GTW-605-7-2	GTW-60	GTW-605-802-1	GTW-605-802-2	GTW-605-802-2	GTW-605-802-6	GTW-60	GTW-605-802-7	GTW-605-802-9
Sample Date	01/08/2016	01/12/2016	01/14/2016	09/22/2014	07/23/2015	09/22/2014	07/23/2015	04/27/2015	04/27/2015	04/27/2015	04/27/2015	07/22/2015	04/27/2015	04/10/2015
Sample Name	B-22-010806	B-5-011216	B-5-011416	GTW-605-7-1-1	GTW-605-7-1-2	GTW-605-7-2-1	GTW-605-7-2-2	GTW-605-802-1-2	GTW-605-802-2-2	GTW-605-802-2-3	GTW-605-802-6-2	GTW-605-802-6-3	GTW-605-802-7-2	GTW-605-802-9-2
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	-	-	-	1 (ft)	1 (ft)	1 (ft)	2 (ft)	23.5 - 28.5 (ft)	24.5 - 29.5 (ft)	24.5 - 29.5 (ft)	24.5 - 24.5 (ft)	6 (ft)	25 - 30 (ft)	24.5 - 29.5 (ft)
Inorganic Compounds (ug/L)														
Aluminum, Dissolved	-	-	-	-	**5.34 J**	-	**12.6**	-	-	-	-	**9.6 J**	-	-
Aluminum, Total	**987**	**2140**	-	-	-	-	-	**3030**	**4580**	**3450**	**3690**	-	**68.7 J**	**24300**
Antimony, Dissolved	-	-	-	-	**2.894**	-	**1.022 J**	-	-	-	-	**0.8936 J**	-	-
Antimony, Total	2 U	**0.18 J**	-	-	-	-	-	5 U	**8.6**	**7.1**	5 U	-	5 U	**6.9**
Arsenic, Dissolved	-	-	-	-	**1.537**	-	**2.586**	-	-	-	-	**0.485 J**	-	-
Arsenic, Total	**2.245**	**1.784**	-	-	-	10 U	-	10 U	10 U	10 U	10 U	-	10 U	**10.6**
Barium, Dissolved	-	-	-	-	**109.2**	-	**229.7**	-	-	-	-	**163.7**	-	-
Barium, Total	**166.4**	**40.54**	-	-	-	**269**	-	**33.5**	**33.6**	**25.5**	**127**	-	**91.2**	**359**
Beryllium, Dissolved	-	-	-	-	0.5 U	-	0.5 U	-	-	-	-	0.5 U	-	-
Beryllium, Total	**0.3165 J**	**0.156 J**	-	-	-	-	-	1 U	1 U	**0.33 J**	1 U	-	1 U	**1.5**
Cadmium, Dissolved	-	-	-	-	0.2 U	-	0.2 U	-	-	-	-	0.2 U	-	-
Cadmium, Total	**0.1836 J**	**0.177 J**	-	-	-	1 U	-	1 U	1 U	**0.55 J**	1 U	-	1 U	**1.3**
Calcium, Dissolved	-	-	-	-	**39500**	-	**169000**	-	-	-	-	**85200**	-	-
Calcium, Total	**61200**	**3570**	-	-	-	-	-	**47600**	**48600**	**42600**	**14000**	-	**69000**	**125000**
Chromium, Dissolved	-	-	-	-	**0.8277 J**	-	**0.668 J**	-	-	-	-	**0.7871 J**	-	-
Chromium, Total	**2.114**	**3.972**	-	-	-	5 U	-	**5.9**	**11.7**	**8.6**	**8.9**	-	5 U	**41.6**
Cobalt, Dissolved	-	-	-	-	**19.51**	-	**4.556**	-	-	-	-	**25.03**	-	-
Cobalt, Total	**18.32**	**6.754**	-	-	-	-	-	**28.8**	**92**	**74.7**	**60.8**	-	**18.6**	**82.2**
Copper, Dissolved	-	-	-	-	**1.042**	-	1 U	-	-	-	-	**0.6117 J**	-	-
Copper, Total	**4.529**	**3.327**	-	-	-	-	-	**14.7**	**9.5**	**17.6**	**12.1**	-	**3.6 J**	**42.2**
Iron, Dissolved	-	-	-	-	**5770**	-	**12200**	-	-	-	-	**30.3 J**	-	-
Iron, Total	**6690**	**2220**	-	-	-	-	-	**6210**	**10500**	**7390**	**10500**	-	**944**	**45600**
Lead, Dissolved	-	-	-	-	**0.9375 J**	-	**0.2282 J**	-	-	-	-	1 U	-	-
Lead, Total	**4.059**	**1.957**	-	-	-	**67**	-	**6.5**	**8.8**	**11.5**	**15.2**	-	**2.7 J**	**30.2**
Magnesium, Dissolved	-	-	-	-	**29800**	-	**21400**	-	-	-	-	**61900**	-	-
Magnesium, Total	**40100**	**7250**	-	-	-	-	-	**37300**	**46000**	**41900**	**15400**	-	**33800**	**73900**
Manganese, Dissolved	-	-	-	-	**2085**	-	**2511**	-	-	-	-	**3553**	-	-
Manganese, Total	**8723**	**166.9**	-	-	-	-	-	**4570**	**5450**	**4420**	**2740**	-	**2840**	**17600**
Mercury, Dissolved	-	-	-	-	0.2 U	-	0.2 U	-	-	-	-	0.2 U	-	-
Mercury, Total	0.2 U	0.2 U	-	-	-	0.2 U	-	0.2 U	0.2 U	0.2 U	0.2 U	-	0.2 U	0.2 U
Nickel, Dissolved	-	-	-	-	**12.46**	-	**7.704**	-	-	-	-	**13.15**	-	-
Nickel, Total	**21.28**	**10.5**	-	-	-	-	-	**14.7**	**35.5**	**29.5**	**18.4**	-	**14**	**41.6**
Potassium, Dissolved	-	-	-	-	**1680**	-	**22600**	-	-	-	-	**2300**	-	-
Potassium, Total	**4540**	**526**	-	-	-	-	-	5000 U	5000 U	5000 U	5000 U	-	**3710 J**	**8780**
Selenium, Dissolved	-	-	-	-	5 U	-	5 U	-	-	-	-	5 U	-	-
Selenium, Total	**3.65 J**	5 U	-	-	-	**24.9**	-	10 U	10 U	10 U	10 U	-	10 U	10 U
Silver, Dissolved	-	-	-	-	0.4 U	-	0.4 U	-	-	-	-	0.4 U	-	-
Silver, Total	0.4 U	0.4 U	-	-	-	5 U	-	5 U	5 U	5 U	5 U	-	5 U	5 U

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	B-22	B-5	B-5	GTW-605-7-1	GTW-60	GTW-605-7-2	GTW-60	GTW-605-802-1	GTW-605-802-2	GTW-605-802-2	GTW-605-802-6	GTW-60	GTW-605-802-7	GTW-605-802-9
Sample Date	01/08/2016	01/12/2016	01/14/2016	09/22/2014	07/23/2015	09/22/2014	07/23/2015	04/27/2015	04/27/2015	04/27/2015	04/27/2015	07/22/2015	04/27/2015	04/10/2015
Sample Name	B-22-010806	B-5-011216	B-5-011416	GTW-605-7-1-1	GTW-605-7-1-2	GTW-605-7-2-1	GTW-605-7-2-2	GTW-605-802-1-2	GTW-605-802-2-2	GTW-605-802-2-3	GTW-605-802-6-2	GTW-605-802-6-3	GTW-605-802-7-2	GTW-605-802-9-2
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	-	-	-	1 (ft)	1 (ft)	1 (ft)	2 (ft)	23.5 - 28.5 (ft)	24.5 - 29.5 (ft)	24.5 - 29.5 (ft)	24.5 - 24.5 (ft)	6 (ft)	25 - 30 (ft)	24.5 - 29.5 (ft)
Sodium, Dissolved	-	-	-	-	**142000**	-	**112000**	-	-	-	-	**126000**	-	-
Sodium, Total	**39600**	**90000**	-	-	-	-	-	**208000**	**768000**	**765000**	**252000**	-	**50900**	**411000**
Thallium, Dissolved	-	-	-	-	0.5 U	-	0.5 U	-	-	-	-	0.5 U	-	-
Thallium, Total	0.5 U	0.5 U	-	-	-	-	-	10 U	10 U	10 U	10 U	-	10 U	10 U
Vanadium, Dissolved	-	-	-	-	5 U	-	5 U	-	-	-	-	5 U	-	-
Vanadium, Total	**5.815**	**5.854**	-	-	-	-	-	**10.7**	**16**	**12.1**	**10.6**	-	5 U	**69.8**
Zinc, Dissolved	-	-	-	-	**39.09**	-	**7.916 J**	-	-	-	-	**9.457 J**	-	-
Zinc, Total	**15.82**	**16.47**	-	-	-	-	-	**28.2**	**59.3**	**51**	**77.7**	-	**29.2**	**107**
PCBs (ug/L)														
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (ug/L)														
1,2,4,5-Tetrachlorobenzene	10 U	-	10 U	-	10 U	-	10 U	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
1,2-Dichlorobenzene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
1,3-Dichlorobenzene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
1,4-Dichlorobenzene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
1-Methylnaphthalene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
2,2'-oxybis(1-Chloropropane)	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
2,3,4,6-Tetrachlorophenol	5 U	-	5 U	-	5 U	-	5 U	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
2,4,6-Trichlorophenol	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
2,4-Dichlorophenol	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
2,4-Dimethylphenol	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
2,4-Dinitrophenol	20 U	-	20 U	-	20 U	50 U	20 U	50 U	50 U	50 U	-	-	50 U	100 U
2,4-Dinitrotoluene	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
2,6-Dinitrotoluene	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
2-Chloronaphthalene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
2-Chlorophenol	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
2-Methylnaphthalene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
2-Methylphenol (o-Cresol)	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
2-Nitroaniline	5 U	-	5 U	-	5 U	50 U	5 U	50 U	50 U	50 U	-	-	50 U	100 U
2-Nitrophenol	10 U	-	10 U	-	10 U	10 U	10 U	10 U	10 U	10 U	-	-	10 U	20 U
3&4-Methylphenol	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
3,3'-Dichlorobenzidine	5 U	-	5 U	-	5 U	20 U	5 U	20 U	20 U	20 U	-	-	20 U	40 U
3-Methylphenol	5 U	-	5 U	-	5 U	-	**1.2 J**	-	-	-	-	-	-	-
3-Nitroaniline	5 U	-	5 U	-	5 U	50 U	5 U	50 U	50 U	50 U	-	-	50 U	100 U

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	B-22	B-5	B-5	GTW-605-7-1	GTW-60	GTW-605-7-2	GTW-60	GTW-605-802-1	GTW-605-802-2	GTW-605-802-2	GTW-605-802-6	GTW-60	GTW-605-802-7	GTW-605-802-9
Sample Date	01/08/2016	01/12/2016	01/14/2016	09/22/2014	07/23/2015	09/22/2014	07/23/2015	04/27/2015	04/27/2015	04/27/2015	04/27/2015	07/22/2015	04/27/2015	04/10/2015
Sample Name	B-22-010806	B-5-011216	B-5-011416	GTW-605-7-1-1	GTW-605-7-1-2	GTW-605-7-2-1	GTW-605-7-2-2	GTW-605-802-1-2	GTW-605-802-2-2	GTW-605-802-2-3	GTW-605-802-6-2	GTW-605-802-6-3	GTW-605-802-7-2	GTW-605-802-9-2
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	-	-	-	1 (ft)	1 (ft)	1 (ft)	2 (ft)	23.5 - 28.5 (ft)	24.5 - 29.5 (ft)	24.5 - 29.5 (ft)	24.5 - 24.5 (ft)	6 (ft)	25 - 30 (ft)	24.5 - 29.5 (ft)
4,6-Dinitro-2-methylphenol	10 U	-	10 U	-	10 U	20 U	10 U	20 U	20 U	20 U	-	-	20 U	40 U
4-Bromophenyl phenyl ether	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
4-Chloro-3-methylphenol	2 U	-	2 U	-	2 U	20 U	2 U	20 U	20 U	20 U	-	-	20 U	40 U
4-Chloroaniline	5 U	-	5 U	-	5 U	20 U	5 U	20 U	20 U	20 U	-	-	20 U	40 U
4-Chlorophenyl phenyl ether	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
4-Nitroaniline	5 U	-	5 U	-	5 U	20 U	5 U	20 U	20 U	20 U	-	-	20 U	40 U
4-Nitrophenol	10 U	-	10 U	-	10 U	50 U	10 U	50 U	50 U	50 U	-	-	50 U	100 U
Acenaphthene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
Acenaphthylene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
Acetophenone	5 U	-	5 U	-	5 U	-	5 U	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
Anthracene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
Atrazine	3 U	-	3 U	-	3 U	-	3 U	-	-	-	-	-	-	-
Benzaldehyde	5 U	-	5 U	-	5 U	-	5 U	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
Benzo(a)pyrene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
Benzo(b)fluoranthene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
Benzo(g,h,i)perylene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
Benzo(k)fluoranthene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
Benzoic acid	-	-	-	-	-	50 U	-	50 U	50 U	50 U	-	-	50 U	100 U
Benzyl Alcohol	-	-	-	-	-	20 U	-	20 U	20 U	20 U	-	-	20 U	40 U
Biphenyl	2 U	-	2 U	-	2 U	-	2 U	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
bis(2-Chloroethyl)ether	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	6 U	-	6 U	6 U	6 U	-	-	6 U	12 U
Butyl benzylphthalate	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
Caprolactam	10 U	-	10 U	-	10 U	-	10 U	-	-	-	-	-	-	-
Carbazole	2 U	-	2 U	-	2 U	-	2 U	-	-	-	-	-	-	-
Chrysene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
Dibenz(a,h)anthracene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
Dibenzofuran	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
Diethyl phthalate	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
Dimethyl phthalate	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
Di-n-butylphthalate	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
Di-n-octyl phthalate	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
Fluoranthene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
Fluorene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
Hexachlorobenzene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
Hexachlorobutadiene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
Hexachlorocyclopentadiene	20 U	-	20 U	-	20 U	10 U	20 U	10 U	10 U	10 U	-	-	10 U	20 U
Hexachloroethane	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
Isophorone	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
Naphthalene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	B-22	B-5	B-5	GTW-605-7-1	GTW-60	GTW-605-7-2	GTW-60	GTW-605-802-1	GTW-605-802-2	GTW-605-802-2	GTW-605-802-6	GTW-60	GTW-605-802-7	GTW-605-802-9
Sample Date	01/08/2016	01/12/2016	01/14/2016	09/22/2014	07/23/2015	09/22/2014	07/23/2015	04/27/2015	04/27/2015	04/27/2015	04/27/2015	07/22/2015	04/27/2015	04/10/2015
Sample Name	B-22-010806	B-5-011216	B-5-011416	GTW-605-7-1-1	GTW-605-7-1-2	GTW-605-7-2-1	GTW-605-7-2-2	GTW-605-802-1-2	GTW-605-802-2-2	GTW-605-802-2-3	GTW-605-802-6-2	GTW-605-802-6-3	GTW-605-802-7-2	GTW-605-802-9-2
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	-	-	-	1 (ft)	1 (ft)	1 (ft)	2 (ft)	23.5 - 28.5 (ft)	24.5 - 29.5 (ft)	24.5 - 29.5 (ft)	24.5 - 24.5 (ft)	6 (ft)	25 - 30 (ft)	24.5 - 29.5 (ft)
Nitrobenzene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
N-Nitrosodimethylamine	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
N-Nitrosodi-n-propylamine	-	-	-	-	-	10 U	-	10 U	10 U	10 U	-	-	10 U	20 U
N-Nitrosodiphenylamine	2 U	-	2 U	-	2 U	10 U	**1.1 J**	10 U	10 U	10 U	-	-	10 U	20 U
Pentachlorophenol	-	-	-	-	-	25 U	-	25 U	25 U	25 U	-	-	25 U	50 U
Phenanthrene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
Phenol	5 U	-	5 U	-	5 U	10 U	5 U	10 U	10 U	10 U	-	-	10 U	20 U
Pyrene	2 U	-	2 U	-	2 U	10 U	2 U	10 U	10 U	10 U	-	-	10 U	20 U
Semi-Volatile Organic Compounds (SIM) (ug/L)														
Benzo(a)anthracene	**0.28**	-	0.25 U	-	0.25 U	-	0.5 U	-	-	-	-	-	-	-
Benzo(a)pyrene	**0.29**	-	0.1 U	-	0.1 U	-	0.2 U	-	-	-	-	-	-	-
Benzo(b)fluoranthene	**0.31**	-	0.2 U	-	0.2 U	-	0.4 U	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	**0.18 J**	-	0.5 U	-	0.5 U	-	1 U	-	-	-	-	-	-	-
Benzo(k)fluoranthene	**0.3**	-	0.2 U	-	0.2 U	-	0.4 U	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	0.1 U	-	0.1 U	-	0.1 U	-	0.2 U	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	**1.7**	-	**1.9**	-	**0.56 J**	-	**0.86 J**	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.1 U	-	0.1 U	-	0.1 U	-	0.2 U	-	-	-	-	-	-	-
Hexachlorobenzene	0.2 U	-	0.2 U	-	0.2 U	-	0.4 U	-	-	-	-	-	-	-
Hexachloroethane	0.2 U	-	0.2 U	-	0.2 U	-	0.4 U	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	**0.2 J**	-	0.5 U	-	0.5 U	-	1 U	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	0.1 U	-	0.1 U	-	0.1 U	-	0.2 U	-	-	-	-	-	-	-
Pentachlorophenol	0.1 U	-	0.1 U	-	0.1 U	-	0.2 U	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/L)														
Diesel Fuel	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	0.5 U	-	**24.6**	-	0.5 U	**0.62**	**0.12 J**	**1.2**	-	**0.11 J**	0.5 U
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	2 U
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	0.08 U	-	0.08 U	-	0.08 U	0.08 U	0.08 U	0.08 U	-	0.08 U	0.08 U
Total Petroleum Hydrocarbons (ug/L)														
Gasoline Range Organics	**64**	**23 J**	-	-	50 U	-	**42 J**	-	-	-	-	50 U	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	**507**	**92.8 J**	-	-	**524**	-	**37200**	-	-	-	-	**230 J**	-	-
Volatile Organic Compounds (ug/L)														
1,1,1,2-Tetrachloroethane	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
1,1,1-Trichloroethane	0.5 U	0.5 U	-	-	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
1,1,2,2-Tetrachloroethane	-	-	-	-	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
1,1,2-Trichloroethane	0.75 U	0.75 U	-	-	0.75 U	1 U	15 U	-	-	-	10 U	0.75 U	-	10 U
1,1-Dichloroethane	0.75 U	0.75 U	-	-	0.75 U	1 U	15 U	-	-	-	10 U	0.75 U	-	10 U
1,1-Dichloroethene	0.5 U	0.5 U	-	-	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
1,1-Dichloropropene	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
1,2,3-Trichlorobenzene	2.5 U	2.5 U	-	-	2.5 U	1 U	50 U	-	-	-	10 U	2.5 U	-	10 U

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	B-22	B-5	B-5	GTW-605-7-1	GTW-60	GTW-605-7-2	GTW-60	GTW-605-802-1	GTW-605-802-2	GTW-605-802-2	GTW-605-802-6	GTW-60	GTW-605-802-7	GTW-605-802-9
Sample Date	01/08/2016	01/12/2016	01/14/2016	09/22/2014	07/23/2015	09/22/2014	07/23/2015	04/27/2015	04/27/2015	04/27/2015	04/27/2015	07/22/2015	04/27/2015	04/10/2015
Sample Name	B-22-010806	B-5-011216	B-5-011416	GTW-605-7-1-1	GTW-605-7-1-2	GTW-605-7-2-1	GTW-605-7-2-2	GTW-605-802-1-2	GTW-605-802-2-2	GTW-605-802-2-3	GTW-605-802-6-2	GTW-605-802-6-3	GTW-605-802-7-2	GTW-605-802-9-2
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	-	-	-	1 (ft)	1 (ft)	1 (ft)	2 (ft)	23.5 - 28.5 (ft)	24.5 - 29.5 (ft)	24.5 - 29.5 (ft)	24.5 - 24.5 (ft)	6 (ft)	25 - 30 (ft)	24.5 - 29.5 (ft)
1,2,3-Trichloropropane	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
1,2,4-Trichlorobenzene	2.5 U	2.5 U	-	-	2.5 U	1 U	50 U	-	-	-	10 U	2.5 U	-	10 U
1,2-Dibromo-3-chloropropane (DBCP)	2.5 U	2.5 U	-	-	2.5 U	2 U	50 U	-	-	-	20 U	2.5 U	-	20 U
1,2-Dibromoethane (Ethylene Dibromide)	2 U	2 U	-	-	2 U	1 U	40 U	-	-	-	10 U	2 U	-	10 U
1,2-Dichlorobenzene	2.5 U	2.5 U	-	-	2.5 U	1 U	50 U	-	-	-	10 U	2.5 U	-	10 U
1,2-Dichloroethane	**7.4**	0.5 U	-	-	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
1,2-Dichloroethene (total)	0.5 U	0.5 U	-	-	0.5 U	-	10 U	-	-	-	-	0.5 U	-	-
1,2-Dichloropropane	1 U	1 U	-	-	1 U	1 U	20 U	-	-	-	10 U	1 U	-	10 U
1,3-Dichlorobenzene	2.5 U	2.5 U	-	-	2.5 U	1 U	50 U	-	-	-	10 U	2.5 U	-	10 U
1,3-Dichloropropane	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
1,3-Dichloropropene	0.5 U	0.5 U	-	-	0.5 U	-	10 U	-	-	-	-	0.5 U	-	-
1,4-Dichlorobenzene	2.5 U	2.5 U	-	-	2.5 U	1 U	50 U	-	-	-	10 U	2.5 U	-	10 U
1,4-Dioxane	-	-	-	-	**220 J**	-	5000 U	-	-	-	-	250 U	-	-
2,2-Dichloropropane	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
2-Butanone (Methyl Ethyl Ketone)	5 U	5 U	-	-	5 U	5 U	100 U	-	-	-	50 U	5 U	-	50 U
2-Chlorotoluene	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
2-Hexanone	5 U	5 U	-	-	5 U	5 U	100 U	-	-	-	50 U	5 U	-	50 U
4-Chlorotoluene	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	5 U	5 U	-	-	5 U	5 U	100 U	-	-	-	50 U	5 U	-	50 U
Acetone	**4.2 J**	**2 J**	-	-	**3.7 J**	25 U	**32 J**	-	-	-	250 U	5 U	-	250 U
Benzene	**15**	0.5 U	-	1 U	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
Bromobenzene	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
Bromodichloromethane	0.5 U	0.5 U	-	-	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
Bromoform	2 U	2 U	-	-	2 U	1 U	40 U	-	-	-	10 U	2 U	-	10 U
Bromomethane (Methyl Bromide)	1 U	1 U	-	-	1 U	2 U	20 U	-	-	-	20 U	1 U	-	20 U
Carbon disulfide	5 U	5 U	-	-	**0.76 J**	-	100 U	-	-	-	-	5 U	-	-
Carbon tetrachloride	0.5 U	0.5 U	-	-	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
Chlorobenzene	0.5 U	0.5 U	-	-	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
Chlorobromomethane	2.5 U	2.5 U	-	-	2.5 U	1 U	50 U	-	-	-	10 U	2.5 U	-	10 U
Chloroethane	1 U	1 U	-	-	1 U	1 U	20 U	-	-	-	10 U	1 U	-	10 U
Chloroform (Trichloromethane)	**0.89**	0.75 U	-	-	0.75 U	1 U	15 U	-	-	-	10 U	0.75 U	-	10 U
Chloromethane (Methyl Chloride)	2.5 U	2.5 U	-	-	**0.92 J**	1 U	50 U	-	-	-	10 U	2.5 U	-	10 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	-	-	0.5 U	**1.8**	10 U	-	-	-	10 U	0.5 U	-	10 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	-	-	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
Cyclohexane	10 U	10 U	-	-	10 U	-	200 U	-	-	-	-	10 U	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
Dibromochloromethane	0.5 U	0.5 U	-	-	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
Dibromomethane	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
Dichlorodifluoromethane (CFC-12)	5 U	5 U	-	-	5 U	1 U	100 U	-	-	-	10 U	5 U	-	10 U
Diisopropyl ether (DIPE)	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
Ethylbenzene	0.5 U	0.5 U	-	1 U	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
Hexachlorobutadiene	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
Isopropylbenzene	**0.19 J**	0.5 U	-	-	0.5 U	-	10 U	-	-	-	-	0.5 U	-	-
m,p-Xylenes	**0.73 J**	1 U	-	2 U	1 U	2 U	20 U	-	-	-	20 U	1 U	-	20 U

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	B-22	B-5	B-5	GTW-605-7-1	GTW-60	GTW-605-7-2	GTW-60	GTW-605-802-1	GTW-605-802-2	GTW-605-802-2	GTW-605-802-6	GTW-60	GTW-605-802-7	GTW-605-802-9
Sample Date	01/08/2016	01/12/2016	01/14/2016	09/22/2014	07/23/2015	09/22/2014	07/23/2015	04/27/2015	04/27/2015	04/27/2015	04/27/2015	07/22/2015	04/27/2015	04/10/2015
Sample Name	B-22-010806	B-5-011216	B-5-011416	GTW-605-7-1-1	GTW-605-7-1-2	GTW-605-7-2-1	GTW-605-7-2-2	GTW-605-802-1-2	GTW-605-802-2-2	GTW-605-802-2-3	GTW-605-802-6-2	GTW-605-802-6-3	GTW-605-802-7-2	GTW-605-802-9-2
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	-	-	-	1 (ft)	1 (ft)	1 (ft)	2 (ft)	23.5 - 28.5 (ft)	24.5 - 29.5 (ft)	24.5 - 29.5 (ft)	24.5 - 24.5 (ft)	6 (ft)	25 - 30 (ft)	24.5 - 29.5 (ft)
Methyl acetate	2 U	2 U	-	-	2 U	-	40 U	-	-	-	-	2 U	-	-
Methyl cyclohexane	10 U	10 U	-	-	10 U	-	200 U	-	-	-	-	10 U	-	-
Methyl Tert Butyl Ether	1 U	**30**	-	-	1 U	1 U	20 U	-	-	-	10 U	1 U	-	10 U
Methylene chloride	**1.1 J**	2.5 U	-	-	2.5 U	2 U	50 U	-	-	-	**42.4**	2.5 U	-	20 U
Naphthalene	-	-	-	-	-	1 U	-	-	-	-	10 U	-	-	10 U
o-Xylene	1 U	1 U	-	1 U	1 U	1 U	20 U	-	-	-	10 U	1 U	-	10 U
Styrene	1 U	1 U	-	-	1 U	1 U	20 U	-	-	-	10 U	1 U	-	10 U
Tetrachloroethene	0.5 U	0.5 U	-	-	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
Toluene	0.75 U	0.75 U	-	1 U	0.75 U	1 U	15 U	-	-	-	10 U	0.75 U	-	10 U
trans-1,2-Dichloroethene	0.75 U	0.75 U	-	-	0.75 U	1 U	15 U	-	-	-	10 U	0.75 U	-	10 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	-	-	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
Trichloroethene	0.5 U	0.5 U	-	-	0.5 U	1 U	10 U	-	-	-	10 U	0.5 U	-	10 U
Trichlorofluoromethane (CFC-11)	2.5 U	2.5 U	-	-	2.5 U	1 U	50 U	-	-	-	10 U	2.5 U	-	10 U
Trifluorotrichloroethane (Freon 113)	2.5 U	2.5 U	-	-	2.5 U	-	50 U	-	-	-	-	2.5 U	-	-
Vinyl acetate	-	-	-	-	-	2 U	-	-	-	-	20 U	-	-	20 U
Vinyl chloride	1 U	1 U	-	-	1 U	**1.8**	20 U	-	-	-	10 U	1 U	-	10 U
Xylene (total)	**0.73 J**	1 U	-	2 U	1 U	2 U	20 U	-	-	-	20 U	1 U	-	20 U
Volatile Organic Compounds SIM (ug/L)														
1,1,2,2-Tetrachloroethane	0.1 U	**0.005 J**	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	3 U	3 U	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-607-13-1	GTW-607-13-1	GTW-607-13-1	GTW-607-13-2	GTW-607-13-2	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-804-1	GTW-661-804-1	GTW-661-804-1
Sample Date	12/13/2013	07/23/2015	12/12/2013	12/13/2013	12/13/2013	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014
Sample Name	GTW-607-13-1-1	GTW-607-13-1-2	GTW-607-13-1A-1	GTW-607-13-2-1	GTW-607-13-2A-1	GTW661-24-1-1	GTW661-24-1-2	GTW661-24-1-3	GTW661-24-1-4	GTW661-24-1-5	GTW661-804-1-1	GTW661-804-1-2	GTW661-804-1-3
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	24 (ft)	1 (ft)	37.5 (ft)	17 (ft)	34.3 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)
Inorganic Compounds (ug/L)													
Aluminum, Dissolved	-	**10.1**	-	-	-	-	-	-	-	-	-	-	-
Aluminum, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony, Dissolved	-	**0.617 J**	-	-	-	-	-	-	-	-	-	-	-
Antimony, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, Dissolved	-	**0.5711**	-	-	-	-	-	-	-	-	-	-	-
Arsenic, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium, Dissolved	-	**187.4**	-	-	-	-	-	-	-	-	-	-	-
Barium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, Dissolved	-	0.5 U	-	-	-	-	-	-	-	-	-	-	-
Beryllium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, Dissolved	-	0.2 U	-	-	-	-	-	-	-	-	-	-	-
Cadmium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, Dissolved	-	**23400**	-	-	-	-	-	-	-	-	-	-	-
Calcium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium, Dissolved	-	**0.6604 J**	-	-	-	-	-	-	-	-	-	-	-
Chromium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Dissolved	-	**5.354**	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper, Dissolved	-	1 U	-	-	-	-	-	-	-	-	-	-	-
Copper, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, Dissolved	-	**196**	-	-	-	-	-	-	-	-	-	-	-
Iron, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead, Dissolved	-	1 U	-	-	-	-	-	-	-	-	-	-	-
Lead, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium, Dissolved	-	**24800**	-	-	-	-	-	-	-	-	-	-	-
Magnesium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese, Dissolved	-	**6045**	-	-	-	-	-	-	-	-	-	-	-
Manganese, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, Dissolved	-	0.2 U	-	-	-	-	-	-	-	-	-	-	-
Mercury, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, Dissolved	-	**1.722 J**	-	-	-	-	-	-	-	-	-	-	-
Nickel, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, Dissolved	-	**1800**	-	-	-	-	-	-	-	-	-	-	-
Potassium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium, Dissolved	-	5 U	-	-	-	-	-	-	-	-	-	-	-
Selenium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver, Dissolved	-	0.4 U	-	-	-	-	-	-	-	-	-	-	-
Silver, Total	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-607-13-1	GTW-607-13-1	GTW-607-13-1	GTW-607-13-2	GTW-607-13-2	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-804-1	GTW-661-804-1	GTW-661-804-1
Sample Date	12/13/2013	07/23/2015	12/12/2013	12/13/2013	12/13/2013	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014
Sample Name	GTW-607-13-1-1	GTW-607-13-1-2	GTW-607-13-1A-1	GTW-607-13-2-1	GTW-607-13-2A-1	GTW661-24-1-1	GTW661-24-1-2	GTW661-24-1-3	GTW661-24-1-4	GTW661-24-1-5	GTW661-804-1-1	GTW661-804-1-2	GTW661-804-1-3
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	24 (ft)	1 (ft)	37.5 (ft)	17 (ft)	34.3 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)
Sodium, Dissolved	-	**67600**	-	-	-	-	-	-	-	-	-	-	-
Sodium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium, Dissolved	-	0.5 U	-	-	-	-	-	-	-	-	-	-	-
Thallium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, Dissolved	-	5 U	-	-	-	-	-	-	-	-	-	-	-
Vanadium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc, Dissolved	-	10 U	-	-	-	-	-	-	-	-	-	-	-
Zinc, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (ug/L)													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	0.5 U	-	-	-
Aroclor-1221 (PCB-1221)	-	-	-	-	-	-	-	-	-	0.5 U	-	-	-
Aroclor-1232 (PCB-1232)	-	-	-	-	-	-	-	-	-	0.5 U	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	0.5 U	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	0.5 U	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	0.5 U	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	0.5 U	-	-	-
Semi-Volatile Organic Compounds (ug/L)													
1,2,4,5-Tetrachlorobenzene	-	10 U	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	-	2 U	-	-	-	-	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	-	5 U	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	5 U	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	5 U	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	5 U	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	5 U	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	20 U	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	5 U	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	5 U	-	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	2 U	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	2 U	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	2 U	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	-	5 U	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	-	5 U	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	-	10 U	-	-	-	-	-	-	-	-	-	-	-
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	-	5 U	-	-	-	-	-	-	-	-	-	-	-
3-Methylphenol	-	5 U	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	5 U	-	-	-	-	-	-	-	-	-	-	-

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-607-13-1	GTW-607-13-1	GTW-607-13-1	GTW-607-13-2	GTW-607-13-2	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-804-1	GTW-661-804-1	GTW-661-804-1
Sample Date	12/13/2013	07/23/2015	12/12/2013	12/13/2013	12/13/2013	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014
Sample Name	GTW-607-13-1-1	GTW-607-13-1-2	GTW-607-13-1A-1	GTW-607-13-2-1	GTW-607-13-2A-1	GTW661-24-1-1	GTW661-24-1-2	GTW661-24-1-3	GTW661-24-1-4	GTW661-24-1-5	GTW661-804-1-1	GTW661-804-1-2	GTW661-804-1-3
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	24 (ft)	1 (ft)	37.5 (ft)	17 (ft)	34.3 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)
4,6-Dinitro-2-methylphenol	-	10 U	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	2 U	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	2 U	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	5 U	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	2 U	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	-	5 U	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	10 U	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	**0.4 J**	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	2 U	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	5 U	-	-	-	-	-	-	-	-	-	-	-
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	2 U	-	-	-	-	-	-	-	-	-	-	-
Atrazine	-	3 U	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	5 U	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl	-	2 U	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	5 U	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	5 U	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	10 U	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	2 U	-	-	-	-	-	-	-	-	-	-	-
Chrysene	-	2 U	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	2 U	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	5 U	-	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	5 U	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	5 U	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	5 U	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	2 U	-	-	-	-	-	-	-	-	-	-	-
Fluorene	-	**0.58 J**	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	-	2 U	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	20 U	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	5 U	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	2 U	-	-	-	-	-	-	-	-	-	-	-

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-607-13-1	GTW-607-13-1	GTW-607-13-1	GTW-607-13-2	GTW-607-13-2	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-804-1	GTW-661-804-1	GTW-661-804-1
Sample Date	12/13/2013	07/23/2015	12/12/2013	12/13/2013	12/13/2013	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014
Sample Name	GTW-607-13-1-1	GTW-607-13-1-2	GTW-607-13-1A-1	GTW-607-13-2-1	GTW-607-13-2A-1	GTW661-24-1-1	GTW661-24-1-2	GTW661-24-1-3	GTW661-24-1-4	GTW661-24-1-5	GTW661-804-1-1	GTW661-804-1-2	GTW661-804-1-3
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	24 (ft)	1 (ft)	37.5 (ft)	17 (ft)	34.3 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)
Nitrobenzene	-	2 U	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodimethylamine	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	2 U	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	2 U	-	-	-	-	-	-	-	-	-	-	-
Phenol	-	5 U	-	-	-	-	-	-	-	-	-	-	-
Pyrene	-	2 U	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (SIM) (ug/L)													
Benzo(a)anthracene	-	0.25 U	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	0.1 U	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	0.2 U	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	0.5 U	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	0.2 U	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	0.1 U	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	**0.36 J**	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	0.1 U	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	-	0.2 U	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	0.2 U	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	0.5 U	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	0.1 U	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	-	0.1 U	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/L)													
Diesel Fuel	-	-	0.5 U	-	0.5 U	0.5 U	-	-	-	-	0.5 U	-	-
Gasoline	-	-	**2.1**	-	0.08 U	-	0.08 U	-	-	-	-	**0.66**	-
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (ug/L)													
Gasoline Range Organics	-	**150**	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C44) DRO	-	**700**	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/L)													
1,1,1,2-Tetrachloroethane	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,1,1-Trichloroethane	1 U	0.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,1,2,2-Tetrachloroethane	1 U	0.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,1,2-Trichloroethane	1 U	0.75 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,1-Dichloroethane	1 U	0.75 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,1-Dichloroethene	1 U	0.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,1-Dichloropropene	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,2,3-Trichlorobenzene	1 U	2.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-607-13-1	GTW-607-13-1	GTW-607-13-1	GTW-607-13-2	GTW-607-13-2	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-804-1	GTW-661-804-1	GTW-661-804-1
Sample Date	12/13/2013	07/23/2015	12/12/2013	12/13/2013	12/13/2013	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014
Sample Name	GTW-607-13-1-1	GTW-607-13-1-2	GTW-607-13-1A-1	GTW-607-13-2-1	GTW-607-13-2A-1	GTW661-24-1-1	GTW661-24-1-2	GTW661-24-1-3	GTW661-24-1-4	GTW661-24-1-5	GTW661-804-1-1	GTW661-804-1-2	GTW661-804-1-3
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	24 (ft)	1 (ft)	37.5 (ft)	17 (ft)	34.3 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)
1,2,3-Trichloropropane	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,2,4-Trichlorobenzene	1 U	2.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,2-Dibromo-3-chloropropane (DBCP)	5 U	2.5 U	5 U	5 U	5 U	-	-	-	2 U	-	-	-	2 U
1,2-Dibromoethane (Ethylene Dibromide)	1 U	2 U	1 U	1 U	1 U	-	-	0.02 U	1 U	-	-	-	1 U
1,2-Dichlorobenzene	1 U	2.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,2-Dichloroethane	1 U	**0.29 J**	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,2-Dichloroethene (total)	-	**5.5**	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,3-Dichlorobenzene	1 U	2.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,3-Dichloropropane	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,3-Dichloropropene	-	0.5 U	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1 U	2.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
1,4-Dioxane	-	**150 J**	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
2-Butanone (Methyl Ethyl Ketone)	5 U	5 U	5 U	5 U	5 U	-	-	-	5 U	-	-	-	5 U
2-Chlorotoluene	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U	-	-	-	5 U	-	-	-	5 U
4-Chlorotoluene	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	5 U	5 U	5 U	5 U	5 U	-	-	-	5 U	-	-	-	5 U
Acetone	**115**	**7**	25 U	**625**	**79**	-	-	-	25 U	-	-	-	**25.8**
Benzene	1 U	**2.1**	**10.2**	1 U	1 U	-	-	-	1 U	-	-	-	**34.4**
Bromobenzene	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Bromodichloromethane	1 U	0.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Bromoform	1 U	2 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Bromomethane (Methyl Bromide)	2 U	1 U	2 U	2 U	2 U	-	-	-	2 U	-	-	-	2 U
Carbon disulfide	-	**0.52 J**	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	1 U	0.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Chlorobenzene	1 U	0.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Chlorobromomethane	1 U	2.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Chloroform (Trichloromethane)	1 U	0.75 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Chloromethane (Methyl Chloride)	1 U	**1.8 J**	1 U	1 U	1 U	-	-	-	**1.2**	-	-	-	**4.4**
cis-1,2-Dichloroethene	1 U	**5.5**	**70.2**	1 U	1 U	-	-	-	1 U	-	-	-	1 U
cis-1,3-Dichloropropene	1 U	0.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Cyclohexane	-	**1.6 J**	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Dibromochloromethane	1 U	0.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Dibromomethane	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Dichlorodifluoromethane (CFC-12)	1 U	5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Diisopropyl ether (DIPE)	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Ethylbenzene	1 U	0.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Hexachlorobutadiene	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Isopropylbenzene	-	**0.81**	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	2 U	**0.71 J**	2 U	2 U	2 U	-	-	-	2 U	-	-	-	**2.5**

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-607-13-1	GTW-607-13-1	GTW-607-13-1	GTW-607-13-2	GTW-607-13-2	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-24-1	GTW-661-804-1	GTW-661-804-1	GTW-661-804-1
Sample Date	12/13/2013	07/23/2015	12/12/2013	12/13/2013	12/13/2013	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014
Sample Name	GTW-607-13-1-1	GTW-607-13-1-2	GTW-607-13-1A-1	GTW-607-13-2-1	GTW-607-13-2A-1	GTW661-24-1-1	GTW661-24-1-2	GTW661-24-1-3	GTW661-24-1-4	GTW661-24-1-5	GTW661-804-1-1	GTW661-804-1-2	GTW661-804-1-3
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	24 (ft)	1 (ft)	37.5 (ft)	17 (ft)	34.3 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)	1 (ft)
Methyl acetate	-	2 U	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	**0.77 J**	-	-	-	-	-	-	-	-	-	-	-
Methyl Tert Butyl Ether	**54**	**3.6**	**3.9**	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Methylene chloride	2 U	2.5 U	2 U	2 U	2 U	-	-	-	2 U	-	-	-	2 U
Naphthalene	1 U	-	1 U	1 U	1 U	-	-	-	1 U	-	-	-	**1.4**
o-Xylene	1 U	1 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Tetrachloroethene	1 U	0.5 U	1 U	1 U	1 U	-	-	-	**2.5**	-	-	-	1 U
Toluene	1 U	**0.27 J**	1 U	1 U	1 U	-	-	-	1 U	-	-	-	**2**
trans-1,2-Dichloroethene	1 U	0.75 U	**1**	1 U	1 U	-	-	-	1 U	-	-	-	1 U
trans-1,3-Dichloropropene	1 U	0.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Trichloroethene	1 U	**0.35 J**	**43.9**	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Trichlorofluoromethane (CFC-11)	1 U	2.5 U	1 U	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Trifluorotrichloroethane (Freon 113)	-	2.5 U	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	2 U	-	2 U	2 U	2 U	-	-	-	2 U	-	-	-	2 U
Vinyl chloride	1 U	1 U	**38**	1 U	1 U	-	-	-	1 U	-	-	-	1 U
Xylene (total)	2 U	**0.71 J**	2 U	2 U	2 U	-	-	-	2 U	-	-	-	**2.5**
Volatile Organic Compounds SIM (ug/L)													
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-661-804-1	GTW-661-804-2	GTW-661-804-2	GTW-661-804-2	GTW-661-804-2	GTW-661-804-3	GTW-661-804-3	GTW-661-804-3	GTW-661-804-3	GTW-66	GW-605	GW-605	GW-605
Sample Date	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/22/2015	07/27/2015	07/27/2015	07/27/2015
Sample Name	GTW661-804-1-4	GTW-661-804-2-1	GTW-661-804-2-2	GTW-661-804-2-3	GTW-661-804-2-4	GTW661-804-3-1	GTW661-804-3-2	GTW661-804-3-3	GTW661-804-3-4	GTW-661-804-3-5	GW-605-802-1-3	GW-605-802-2-4	GW-605-802-7-3
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	1 (ft)	2 (ft)	2 (ft)	2 (ft)	2 (ft)	3 (ft)	3 (ft)	3 (ft)	3 (ft)	3 (ft)	1 (ft)	2 (ft)	7 (ft)
Inorganic Compounds (ug/L)													
Aluminum, Dissolved	-	-	-	-	-	-	-	-	-	**8.55 J**	**13.2**	**18**	**5.31 J**
Aluminum, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony, Dissolved	-	-	-	-	-	-	-	-	-	**1.606 J**	**0.2967 J**	**1.895 J**	**0.3418 J**
Antimony, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, Dissolved	-	-	-	-	-	-	-	-	-	**3.947**	**0.535**	**0.3968 J**	**0.8637**
Arsenic, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium, Dissolved	-	-	-	-	-	-	-	-	-	**207.6**	**33.44**	**29.21**	**128.3**
Barium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, Dissolved	-	-	-	-	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
Beryllium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, Dissolved	-	-	-	-	-	-	-	-	-	0.2 U	**0.3955**	**1.359**	**0.2864**
Cadmium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, Dissolved	-	-	-	-	-	-	-	-	-	**26900**	**81400**	**47400**	**138000**
Calcium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium, Dissolved	-	-	-	-	-	-	-	-	-	**10.08**	**1.9 J**	**0.5845 J**	**1.342 J**
Chromium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Dissolved	-	-	-	-	-	-	-	-	-	**12.11**	**20.62**	**85.55**	**14.52**
Cobalt, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper, Dissolved	-	-	-	-	-	-	-	-	-	**0.6323 J**	**1.793**	**0.9738 J**	**3.964**
Copper, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, Dissolved	-	-	-	-	-	-	-	-	-	**77200**	**50.7**	**77.3**	**2060**
Iron, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead, Dissolved	-	-	-	-	-	-	-	-	-	**4.073**	1 U	**0.2842 J**	**0.1812 J**
Lead, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium, Dissolved	-	-	-	-	-	-	-	-	-	**34900**	**62900**	**54800**	**41100**
Magnesium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese, Dissolved	-	-	-	-	-	-	-	-	-	**5221**	**5634**	**4294**	**3568**
Manganese, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, Dissolved	-	-	-	-	-	-	-	-	-	0.2 U	0.2 U	0.2 U	0.2 U
Mercury, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, Dissolved	-	-	-	-	-	-	-	-	-	**9.628**	**9.753**	**36.77**	**9.566**
Nickel, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, Dissolved	-	-	-	-	-	-	-	-	-	**2160**	**4190**	**1520**	**7360**
Potassium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium, Dissolved	-	-	-	-	-	-	-	-	-	5 U	5 U	**3.91 J**	5 U
Selenium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver, Dissolved	-	-	-	-	-	-	-	-	-	**0.101 J**	0.4 U	0.4 U	0.4 U
Silver, Total	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-661-804-1	GTW-661-804-2	GTW-661-804-2	GTW-661-804-2	GTW-661-804-2	GTW-661-804-3	GTW-661-804-3	GTW-661-804-3	GTW-661-804-3	GTW-66	GW-605	GW-605	GW-605
Sample Date	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/22/2015	07/27/2015	07/27/2015	07/27/2015
Sample Name	GTW661-804-1-4	GTW-661-804-2-1	GTW-661-804-2-2	GTW-661-804-2-3	GTW-661-804-2-4	GTW661-804-3-1	GTW661-804-3-2	GTW661-804-3-3	GTW661-804-3-4	GTW-661-804-3-5	GW-605-802-1-3	GW-605-802-2-4	GW-605-802-7-3
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	1 (ft)	2 (ft)	2 (ft)	2 (ft)	2 (ft)	3 (ft)	3 (ft)	3 (ft)	3 (ft)	3 (ft)	1 (ft)	2 (ft)	7 (ft)
Sodium, Dissolved	-	-	-	-	-	-	-	-	-	**189000**	**132000**	**611000**	**49700**
Sodium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium, Dissolved	-	-	-	-	-	-	-	-	-	0.5 U	0.5 U	0.5 U	**0.0573 J**
Thallium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, Dissolved	-	-	-	-	-	-	-	-	-	5 U	5 U	5 U	5 U
Vanadium, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc, Dissolved	-	-	-	-	-	-	-	-	-	**3.927 J**	**40.76**	**26.05**	**47.94**
Zinc, Total	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (ug/L)													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (ug/L)													
1,2,4,5-Tetrachlorobenzene	-	-	-	-	-	-	-	-	-	10 U	20 U	10 U	45 U
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
2,3,4,6-Tetrachlorophenol	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
2,4,5-Trichlorophenol	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
2,4-Dichlorophenol	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
2,4-Dinitrophenol	-	-	-	-	-	-	-	-	-	20 U	39 U	20 U	91 U
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
2-Chlorophenol	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	**4.8**	3.9 U	2 U	9.1 U
2-Methylphenol (o-Cresol)	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
2-Nitroaniline	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
2-Nitrophenol	-	-	-	-	-	-	-	-	-	10 U	20 U	10 U	45 U
3&4-Methylphenol	-	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
3-Methylphenol	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
3-Nitroaniline	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-661-804-1	GTW-661-804-2	GTW-661-804-2	GTW-661-804-2	GTW-661-804-2	GTW-661-804-3	GTW-661-804-3	GTW-661-804-3	GTW-661-804-3	GTW-66	GW-605	GW-605	GW-605
Sample Date	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/22/2015	07/27/2015	07/27/2015	07/27/2015
Sample Name	GTW661-804-1-4	GTW-661-804-2-1	GTW-661-804-2-2	GTW-661-804-2-3	GTW-661-804-2-4	GTW661-804-3-1	GTW661-804-3-2	GTW661-804-3-3	GTW661-804-3-4	GTW-661-804-3-5	GW-605-802-1-3	GW-605-802-2-4	GW-605-802-7-3
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	1 (ft)	2 (ft)	2 (ft)	2 (ft)	2 (ft)	3 (ft)	3 (ft)	3 (ft)	3 (ft)	3 (ft)	1 (ft)	2 (ft)	7 (ft)
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	10 U	20 U	10 U	45 U
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
4-Chloroaniline	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
4-Nitroaniline	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
4-Nitrophenol	-	-	-	-	-	-	-	-	-	10 U	20 U	10 U	45 U
Acenaphthene	-	-	-	-	-	-	-	-	-	**1.8 J**	3.9 U	2 U	9.1 U
Acenaphthylene	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
Acetophenone	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
Aniline	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
Atrazine	-	-	-	-	-	-	-	-	-	3 U	5.9 U	3 U	14 U
Benzaldehyde	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic acid	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
Caprolactam	-	-	-	-	-	-	-	-	-	10 U	20 U	10 U	45 U
Carbazole	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
Chrysene	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	**1.5 J**	3.9 U	2 U	9.1 U
Diethyl phthalate	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
Dimethyl phthalate	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
Fluoranthene	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
Fluorene	-	-	-	-	-	-	-	-	-	**3**	3.9 U	2 U	9.1 U
Hexachlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	20 U	39 U	20 U	91 U
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
Naphthalene	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-661-804-1	GTW-661-804-2	GTW-661-804-2	GTW-661-804-2	GTW-661-804-2	GTW-661-804-3	GTW-661-804-3	GTW-661-804-3	GTW-661-804-3	GTW-66	GW-605	GW-605	GW-605
Sample Date	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/22/2015	07/27/2015	07/27/2015	07/27/2015
Sample Name	GTW661-804-1-4	GTW-661-804-2-1	GTW-661-804-2-2	GTW-661-804-2-3	GTW-661-804-2-4	GTW661-804-3-1	GTW661-804-3-2	GTW661-804-3-3	GTW661-804-3-4	GTW-661-804-3-5	GW-605-802-1-3	GW-605-802-2-4	GW-605-802-7-3
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	1 (ft)	2 (ft)	2 (ft)	2 (ft)	2 (ft)	3 (ft)	3 (ft)	3 (ft)	3 (ft)	3 (ft)	1 (ft)	2 (ft)	7 (ft)
Nitrobenzene	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
N-Nitrosodimethylamine	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
Pentachlorophenol	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	**1.9 J**	3.9 U	2 U	9.1 U
Phenol	-	-	-	-	-	-	-	-	-	5 U	9.8 U	5 U	23 U
Pyrene	-	-	-	-	-	-	-	-	-	2 U	3.9 U	2 U	9.1 U
Semi-Volatile Organic Compounds (SIM) (ug/L)													
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	0.25 U	0.49 U	0.25 U	1.1 U
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	0.1 U	0.2 U	0.1 U	0.45 U
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	0.2 U	0.39 U	0.2 U	0.91 U
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-	-	0.5 U	0.98 U	0.5 U	2.3 U
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	0.2 U	0.39 U	0.2 U	0.91 U
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	0.1 U	0.2 U	0.1 U	0.45 U
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	1 U	2 U	1 U	**5.4**
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-	-	0.1 U	0.2 U	0.1 U	0.45 U
Hexachlorobenzene	-	-	-	-	-	-	-	-	-	0.2 U	0.39 U	0.2 U	0.91 U
Hexachloroethane	-	-	-	-	-	-	-	-	-	0.2 U	0.39 U	**0.1 J**	0.91 U
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	0.5 U	0.98 U	0.5 U	2.3 U
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	0.1 U	0.2 U	0.1 U	0.45 U
Pentachlorophenol	-	-	-	-	-	-	-	-	-	0.1 U	0.2 U	0.1 U	0.45 U
Total Petroleum Hydrocarbons (mg/L)													
Diesel Fuel	-	0.5 U	-	-	-	**3**	-	-	-	-	-	-	-
Gasoline	-	-	0.08 U	-	-	-	**3**	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C10-C28) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C6-C10) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (ug/L)													
Gasoline Range Organics	-	-	-	-	-	-	-	-	-	**1400**	-	**22 J**	-
Total Petroleum Hydrocarbons (C9-C44) DRO	-	-	-	-	-	-	-	-	-	**1710**	-	**371 J**	-
Volatile Organic Compounds (ug/L)													
1,1,1,2-Tetrachloroethane	-	-	-	1 U	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	-	-	-	1 U	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	-	-	-	1 U	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	-	-	-	1 U	-	-	-	-	-	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	-	-	-	1 U	-	-	-	-	-	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	-	-	-	1 U	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	-	-	-	1 U	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	-	-	-	1 U	-	-	-	-	-	2.5 U	2.5 U	2.5 U	2.5 U

TABLE 6

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-661-804-1	GTW-661-804-2	GTW-661-804-2	GTW-661-804-2	GTW-661-804-2	GTW-661-804-3	GTW-661-804-3	GTW-661-804-3	GTW-661-804-3	GTW-66	GW-605	GW-605	GW-605
Sample Date	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/22/2015	07/27/2015	07/27/2015	07/27/2015
Sample Name	GTW661-804-1-4	GTW-661-804-2-1	GTW-661-804-2-2	GTW-661-804-2-3	GTW-661-804-2-4	GTW661-804-3-1	GTW661-804-3-2	GTW661-804-3-3	GTW661-804-3-4	GTW-661-804-3-5	GW-605-802-1-3	GW-605-802-2-4	GW-605-802-7-3
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	1 (ft)	2 (ft)	2 (ft)	2 (ft)	2 (ft)	3 (ft)	3 (ft)	3 (ft)	3 (ft)	3 (ft)	1 (ft)	2 (ft)	7 (ft)
1,2,3-Trichloropropane	-	-	-	1 U	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	1 U	-	-	-	-	-	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	2 U	-	-	-	-	-	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.02 U	-	-	1 U	0.02 U	-	-	-	0.02 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	-	-	-	1 U	-	-	-	-	-	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	-	-	-	1 U	-	-	-	-	-	0.5 U	0.5 U	**0.48 J**	0.5 U
1,2-Dichloroethene (total)	-	-	-	-	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	-	-	-	1 U	-	-	-	-	-	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	-	-	-	1 U	-	-	-	-	-	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	-	-	-	1 U	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	-	-	-	1 U	-	-	-	-	-	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dioxane	-	-	-	-	-	-	-	-	-	250 U	250 U	250 U	250 U
2,2-Dichloropropane	-	-	-	1 U	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	5 U	-	-	-	-	-	5 U	5 U	5 U	5 U
2-Chlorotoluene	-	-	-	1 U	-	-	-	-	-	-	-	-	-
2-Hexanone	-	-	-	5 U	-	-	-	-	-	5 U	5 U	5 U	5 U
4-Chlorotoluene	-	-	-	1 U	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	5 U	-	-	-	-	-	5 U	5 U	5 U	5 U
Acetone	-	-	-	25 U	-	-	-	-	-	**3.2 J**	5 U	5 U	5 U
Benzene	-	-	-	1 U	-	-	-	**8.2**	-	**6**	0.5 U	0.5 U	0.5 U
Bromobenzene	-	-	-	1 U	-	-	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	1 U	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	-	-	-	1 U	-	-	-	-	-	2 U	2 U	2 U	2 U
Bromomethane (Methyl Bromide)	-	-	-	2 U	-	-	-	-	-	1 U	1 U	1 U	1 U
Carbon disulfide	-	-	-	-	-	-	-	-	-	5 U	**0.34 J**	5 U	5 U
Carbon tetrachloride	-	-	-	1 U	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	-	-	-	1 U	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobromomethane	-	-	-	1 U	-	-	-	-	-	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	-	-	-	1 U	-	-	-	-	-	1 U	1 U	1 U	1 U
Chloroform (Trichloromethane)	-	-	-	1 U	-	-	-	-	-	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane (Methyl Chloride)	-	-	-	**4.1**	-	-	-	-	-	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	-	-	-	1 U	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	-	-	-	1 U	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	-	-	-	-	-	-	-	-	-	**52**	10 U	10 U	10 U
Cymene (p-Isopropyltoluene)	-	-	-	1 U	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	1 U	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	-	-	-	1 U	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	1 U	-	-	-	-	-	5 U	5 U	5 U	5 U
Diisopropyl ether (DIPE)	-	-	-	1 U	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	1 U	-	-	-	**12.2**	-	**6.4**	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	-	-	-	1 U	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	**51**	0.5 U	0.5 U	0.5 U
m,p-Xylenes	-	-	-	2 U	-	-	-	**3.6**	-	**1.6**	1 U	1 U	1 U

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	GTW-661-804-1	GTW-661-804-2	GTW-661-804-2	GTW-661-804-2	GTW-661-804-2	GTW-661-804-3	GTW-661-804-3	GTW-661-804-3	GTW-661-804-3	GTW-66	GW-605	GW-605	GW-605
Sample Date	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/02/2014	07/01/2014	07/01/2014	07/01/2014	07/01/2014	07/22/2015	07/27/2015	07/27/2015	07/27/2015
Sample Name	GTW661-804-1-4	GTW-661-804-2-1	GTW-661-804-2-2	GTW-661-804-2-3	GTW-661-804-2-4	GTW661-804-3-1	GTW661-804-3-2	GTW661-804-3-3	GTW661-804-3-4	GTW-661-804-3-5	GW-605-802-1-3	GW-605-802-2-4	GW-605-802-7-3
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth Interval (bgs)	1 (ft)	2 (ft)	2 (ft)	2 (ft)	2 (ft)	3 (ft)	3 (ft)	3 (ft)	3 (ft)	3 (ft)	1 (ft)	2 (ft)	7 (ft)
Methyl acetate	-	-	-	-	-	-	-	-	-	2 U	2 U	2 U	2 U
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	**27**	10 U	10 U	10 U
Methyl Tert Butyl Ether	-	-	-	1 U	-	-	-	-	-	1 U	**1**	**0.32 J**	1 U
Methylene chloride	-	-	-	2 U	-	-	-	-	-	2.5 U	2.5 U	**0.37 J**	2.5 U
Naphthalene	-	-	-	1 U	-	-	-	**67.4**	-	-	-	-	-
o-Xylene	-	-	-	1 U	-	-	-	1 U	-	**0.55 J**	1 U	1 U	1 U
Styrene	-	-	-	1 U	-	-	-	-	-	1 U	1 U	1 U	1 U
Tetrachloroethene	-	-	-	**2.3**	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	-	-	-	1 U	-	-	-	**1.3**	-	**1**	0.75 U	0.75 U	0.75 U
trans-1,2-Dichloroethene	-	-	-	1 U	-	-	-	-	-	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene	-	-	-	1 U	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	-	-	-	1 U	-	-	-	-	-	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane (CFC-11)	-	-	-	1 U	-	-	-	-	-	2.5 U	2.5 U	2.5 U	2.5 U
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	-	-	-	2 U	-	-	-	-	-	-	-	-	-
Vinyl chloride	-	-	-	1 U	-	-	-	-	-	1 U	1 U	1 U	1 U
Xylene (total)	-	-	-	2 U	-	-	-	**3.6**	-	**2.2 J**	1 U	1 U	1 U
Volatile Organic Compounds SIM (ug/L)													
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

TABLE 7

SUMMARY OF SOIL GAS SAMPLE ANALYTICAL RESULTS

BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT

WASHINGTON, D.C.

Location	SG-01	SG-02	SG-04	SG-05	SG-06	SG-08	SG-09	SG-10	SG-11	SG-11	SG-12	SG-12	SG-13	SG-14	SG-15	SG-16	SG-17	SG-18
Sample Date	07/20/2016	07/20/2016	07/19/2016	07/19/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/19/2016	07/19/2016	07/20/2016	07/20/2016	07/19/2016	07/19/2016	07/19/2016	07/19/2016	07/20/2016	07/20/2016
Sample Name	SG-01	SG-02	SG-04	SG-05	SG-06	SG-08	SG-09	SG-10	SG-11	SG-11-DUP	SG-12	SG-12-DUP	SG-13	SG-14	SG-15	SG-16	SG-17	SG-18
Sample Type	N	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N
Sample Depth Interval (bgs)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)																		
1,1,1-Trichloroethane	2.26 U	129 U	2.3 U	2.3 U	2.24 U	11.4 U	11.3 U	2.24 U	2.28 U	2.83 U	11.2 U	11.3 U	152 U	22.8 U	2.29 U	2.28 U	2.28 U	2.28 U
1,1,2,2-Tetrachloroethane	2.85 U	162 U	2.89 U	2.89 U	2.82 U	14.4 U	14.3 U	2.82 U	2.86 U	3.56 U	14.1 U	14.3 U	191 U	28.7 U	2.88 U	2.87 U	2.87 U	2.86 U
1,1,2-Trichloroethane	2.26 U	129 U	2.3 U	2.3 U	2.24 U	11.4 U	11.3 U	2.24 U	2.28 U	2.83 U	11.2 U	11.3 U	152 U	22.8 U	2.29 U	2.28 U	2.28 U	2.28 U
1,1-Dichloroethane	1.68 U	95.5 U	1.7 U	1.7 U	1.66 U	8.46 U	8.42 U	1.66 U	1.69 U	2.1 U	8.34 U	8.42 U	113 U	16.9 U	1.7 U	1.69 U	1.69 U	1.69 U
1,1-Dichloroethene	1.65 U	93.6 U	1.67 U	1.67 U	1.63 U	8.29 U	8.25 U	1.63 U	1.65 U	2.06 U	8.17 U	8.25 U	**395**	16.6 U	1.67 U	1.66 U	1.66 U	1.65 U
1,2,4-Trichlorobenzene	3.08 U	175 U	3.13 U	3.13 U	3.05 U	15.5 U	15.4 U	3.05 U	3.1 U	3.85 U	15.3 U	15.4 U	206 U	31 U	3.12 U	3.1 U	3.1 U	3.1 U
1,2,4-Trimethylbenzene	**5.21**	**193**	**10.4**	**11.7**	**9**	**12.5**	10.2 U	**4.11**	**59**	**58.5**	**40.1**	**33.1**	**239**	**32.7**	**292**	**13.3**	**13.4**	**13.6**
1,2-Dibromoethane (Ethylene Dibromide)	3.19 U	181 U	3.24 U	3.24 U	3.16 U	16.1 U	16 U	3.16 U	3.2 U	3.99 U	15.8 U	16 U	214 U	32.1 U	3.23 U	3.21 U	3.21 U	3.2 U
1,2-Dichlorobenzene	2.5 U	142 U	2.53 U	2.53 U	2.47 U	12.6 U	12.5 U	2.47 U	2.51 U	3.12 U	12.4 U	12.5 U	167 U	25.1 U	2.53 U	2.51 U	2.51 U	2.51 U
1,2-Dichloroethane	1.68 U	95.5 U	1.7 U	1.7 U	1.66 U	8.46 U	8.42 U	1.66 U	1.69 U	2.1 U	8.34 U	8.42 U	113 U	16.9 U	1.7 U	1.69 U	1.69 U	1.69 U
1,2-Dichloropropane	1.92 U	109 U	1.95 U	1.95 U	1.9 U	9.66 U	9.61 U	1.9 U	1.93 U	2.4 U	9.52 U	9.61 U	128 U	19.3 U	1.94 U	1.93 U	1.93 U	1.93 U
1,2-Dichlorotetrafluoroethane (CFC 114)	2.9 U	165 U	2.94 U	2.94 U	2.87 U	14.6 U	14.5 U	2.87 U	2.91 U	3.63 U	14.4 U	14.5 U	194 U	29.2 U	2.94 U	2.92 U	2.92 U	2.91 U
1,3,5-Trimethylbenzene	2.04 U	116 U	**2.88**	**3.34**	**2.65**	10.3 U	10.2 U	2.02 U	**18.6**	**18.1**	**13.1**	**11.1**	**175**	20.5 U	**91.9**	**3.8**	**4.88**	**5.21**
1,3-Butadiene	**5.84**	**237**	0.931 U	0.931 U	**1.67**	**45.6**	**25.9**	0.909 U	**0.978**	**1.52**	**38.9**	**40**	61.5 U	**52.7**	**2.96**	0.925 U	**10**	**2.52**
1,3-Dichlorobenzene	2.5 U	142 U	2.53 U	2.53 U	2.47 U	12.6 U	12.5 U	2.47 U	2.51 U	3.12 U	12.4 U	12.5 U	167 U	25.1 U	2.53 U	2.51 U	2.51 U	2.51 U
1,4-Dichlorobenzene	2.5 U	142 U	2.53 U	2.53 U	2.47 U	12.6 U	12.5 U	2.47 U	2.51 U	3.12 U	12.4 U	12.5 U	167 U	25.1 U	2.53 U	2.51 U	2.51 U	2.51 U
1,4-Dioxane	1.5 U	85 U	1.52 U	1.52 U	1.48 U	7.53 U	7.5 U	1.48 U	1.5 U	1.87 U	7.42 U	7.5 U	100 U	15.1 U	1.51 U	1.51 U	1.51 U	1.5 U
2,2,4-Trimethylpentane	1.94 U	**4460**	1.97 U	1.97 U	1.92 U	9.76 U	**24**	1.92 U	**3.83**	**4.01**	9.62 U	9.72 U	**8730**	**154**	**13.4**	1.95 U	**240**	1.95 U
2-Butanone (Methyl Ethyl Ketone)	**25.2**	174 U	**7.31**	**24.9**	**17**	**26.8**	15.3 U	**6.67**	**10.5**	**13.2**	**43.9**	**40.7**	205 U	**35.7**	**57.8**	**7.61**	**20.3**	**24.7**
2-Hexanone	1.7 U	96.7 U	1.73 U	**2.04**	1.68 U	8.57 U	8.52 U	1.68 U	**3.37**	**3.77**	8.44 U	8.52 U	114 U	17.1 U	**6.27**	1.71 U	**8.48**	1.71 U
4-Ethyl toluene	2.04 U	116 U	**2.14**	**3**	2.02 U	10.3 U	10.2 U	2.02 U	**15**	**15**	10.1 U	10.2 U	137 U	20.5 U	**92.4**	**2.82**	**3.96**	**3.62**
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	4.26 U	**253**	4.3 U	4.3 U	4.22 U	21.4 U	21.3 U	4.22 U	4.26 U	5.33 U	21.1 U	21.4 U	285 U	43 U	**9.71**	4.3 U	**5.57**	4.26 U
Acetone	**75.1**	**316**	**10.5**	**102**	**22.7**	**99.1**	**29.5**	**17.4**	**15.1**	**32.3**	**181**	**179**	330 U	**139**	4.99 U	**14.7**	**30.6**	**91**
Allyl chloride	1.3 U	73.9 U	1.32 U	1.32 U	1.29 U	6.54 U	6.51 U	1.29 U	1.31 U	1.62 U	6.45 U	6.51 U	87 U	13.1 U	1.31 U	1.31 U	1.31 U	1.31 U
Benzene	**10.5**	**371**	1.34 U	1.34 U	**3.51**	**23.2**	**10.5**	1.31 U	**10.6**	**10.9**	**31.7**	**30.4**	**473**	**27.7**	**39**	1.34 U	**26**	**11.2**
Benzyl Chloride	2.15 U	122 U	2.18 U	2.18 U	2.13 U	10.8 U	10.8 U	2.13 U	2.16 U	2.69 U	10.7 U	10.8 U	144 U	21.6 U	2.17 U	2.16 U	2.16 U	2.16 U
Bromodichloromethane	2.78 U	158 U	2.82 U	**21.4**	2.75 U	14 U	13.9 U	2.75 U	2.79 U	3.48 U	13.8 U	13.9 U	186 U	28 U	2.81 U	2.8 U	2.8 U	2.79 U
Bromoform	4.29 U	244 U	4.35 U	4.35 U	4.25 U	21.6 U	21.5 U	4.25 U	4.31 U	5.37 U	21.3 U	21.5 U	287 U	43.2 U	4.34 U	4.32 U	4.32 U	4.31 U
Bromomethane (Methyl Bromide)	1.61 U	91.6 U	1.63 U	1.63 U	1.6 U	8.12 U	8.08 U	1.6 U	1.62 U	2.02 U	8 U	8.08 U	108 U	16.2 U	1.63 U	1.62 U	1.62 U	1.62 U
Carbon disulfide	**4.05**	**128**	1.31 U	1.31 U	1.28 U	**7.85**	**26.7**	**2.87**	**4.52**	**4.24**	6.42 U	6.48 U	**116**	**15.1**	**49.8**	1.3 U	**4.95**	**3.89**
Carbon tetrachloride	2.61 U	148 U	2.65 U	2.65 U	2.59 U	13.1 U	13.1 U	2.59 U	2.62 U	3.26 U	13 U	13.1 U	175 U	26.3 U	2.64 U	2.63 U	2.63 U	2.62 U
Chlorobenzene	1.91 U	109 U	1.94 U	1.94 U	1.89 U	9.63 U	9.58 U	1.89 U	1.92 U	2.39 U	9.49 U	9.58 U	128 U	19.3 U	1.93 U	1.93 U	1.93 U	1.92 U
Chloroethane	1.1 U	62.3 U	1.11 U	1.11 U	1.08 U	5.52 U	5.49 U	1.08 U	1.1 U	1.37 U	5.44 U	5.49 U	73.4 U	11 U	1.11 U	1.1 U	1.1 U	1.1 U
Chloroform (Trichloromethane)	2.03 U	115 U	**5.08**	**131**	2.01 U	10.2 U	10.2 U	**47.9**	2.04 U	2.53 U	10.1 U	10.2 U	136 U	20.4 U	2.05 U	2.04 U	2.04 U	2.04 U

TABLE 7
SUMMARY OF SOIL GAS SAMPLE ANALYTICAL RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Location	SG-01	SG-02	SG-04	SG-05	SG-06	SG-08	SG-09	SG-10	SG-11	SG-11	SG-12	SG-12	SG-13	SG-14	SG-15	SG-16	SG-17	SG-18
Sample Date	07/20/2016	07/20/2016	07/19/2016	07/19/2016	07/20/2016	07/20/2016	07/20/2016	07/20/2016	07/19/2016	07/19/2016	07/20/2016	07/20/2016	07/19/2016	07/19/2016	07/19/2016	07/19/2016	07/20/2016	07/20/2016
Sample Name	SG-01	SG-02	SG-04	SG-05	SG-06	SG-08	SG-09	SG-10	SG-11	SG-11-DUP	SG-12	SG-12-DUP	SG-13	SG-14	SG-15	SG-16	SG-17	SG-18
Sample Type	N	N	N	N	N	N	N	N	N	FD	N	FD	N	N	N	N	N	N
Sample Depth Interval (bgs)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl Chloride)	0.857 U	48.7 U	0.869 U	0.869 U	0.849 U	4.32 U	4.3 U	0.849 U	0.861 U	1.07 U	4.25 U	4.3 U	57.4 U	8.63 U	**0.987**	0.863 U	0.863 U	0.861 U
cis-1,2-Dichloroethene	1.65 U	**199**	1.67 U	1.67 U	1.63 U	8.29 U	8.25 U	1.63 U	1.65 U	2.06 U	8.17 U	8.25 U	**37200**	16.6 U	**11.1**	1.66 U	1.66 U	1.65 U
cis-1,3-Dichloropropene	1.88 U	107 U	1.91 U	1.91 U	1.87 U	9.49 U	9.44 U	1.87 U	1.89 U	2.36 U	9.35 U	9.44 U	126 U	19 U	1.91 U	1.9 U	1.9 U	1.89 U
Cyclohexane	**7.68**	**249**	**4.16**	**5.34**	**6.26**	7.19 U	**12.4**	**1.89**	**6.23**	**6.54**	**11.5**	**9.6**	**1070**	**175**	**9.84**	**1.62**	**8.36**	**19.8**
Dibromochloromethane	3.54 U	201 U	3.59 U	3.59 U	3.5 U	17.8 U	17.7 U	3.5 U	3.55 U	4.42 U	17.6 U	17.7 U	237 U	35.6 U	3.58 U	3.56 U	3.56 U	3.55 U
Dichlorodifluoromethane (CFC-12)	**3.33**	117 U	**48.8**	**3.96**	**2.39**	10.3 U	10.3 U	**3.46**	**2.08**	2.57 U	10.2 U	10.3 U	137 U	20.7 U	2.08 U	2.07 U	**6.03**	**2.86**
Ethanol	19.6 U	1110 U	19.8 U	19.8 U	19.4 U	98.5 U	97.8 U	19.4 U	**24.9**	**29.2**	97.2 U	98.2 U	1310 U	198 U	**26.6**	19.8 U	19.8 U	19.6 U
Ethyl acetate	3.75 U	213 U	3.78 U	3.78 U	3.71 U	18.8 U	18.7 U	3.71 U	3.75 U	4.68 U	18.6 U	18.8 U	251 U	37.8 U	**16.6**	3.78 U	3.78 U	3.75 U
Ethylbenzene	**2.75**	**301**	1.83 U	**3.6**	**2.92**	9.08 U	9.03 U	1.79 U	**15.2**	**15.5**	**11.8**	**10.6**	121 U	18.2 U	**139**	**2.5**	**8.25**	**6.21**
Hexachlorobutadiene	4.43 U	252 U	4.49 U	4.49 U	4.38 U	22.3 U	22.2 U	4.38 U	4.45 U	5.54 U	22 U	22.2 U	297 U	44.6 U	4.48 U	4.46 U	4.46 U	4.45 U
Hexane	**24.6**	**2380**	**7.01**	1.48 U	**5.36**	**70.5**	**60.6**	**11.9**	**39.5**	**40.5**	**103**	**97.3**	**1490**	**206**	**94.1**	1.47 U	**37**	**37.4**
Isopropyl Alcohol	2.56 U	145 U	2.58 U	2.58 U	2.53 U	12.9 U	12.8 U	2.53 U	2.56 U	**3.42**	12.7 U	12.8 U	171 U	25.8 U	**8.33**	2.58 U	**2.8**	2.56 U
m,p-Xylenes	**6.25**	**413**	**6.39**	**13.5**	**11.2**	18.2 U	18 U	3.57 U	**60.8**	**60.8**	**39.2**	**36.9**	**285**	**47.3**	**526**	**10.2**	**23.9**	**21.4**
Methyl Tert Butyl Ether	1.5 U	**433**	1.52 U	1.52 U	1.48 U	7.54 U	**208**	1.48 U	1.5 U	1.87 U	7.43 U	7.5 U	100 U	15.1 U	1.51 U	1.51 U	1.51 U	1.5 U
Methylene chloride	3.61 U	205 U	3.65 U	**6.18**	3.58 U	18.2 U	18 U	3.58 U	**7.16**	**7.57**	17.9 U	18.1 U	**459**	36.5 U	**179**	3.65 U	**3.96**	3.61 U
Naphthalene	**5.24**	124 U	**2.51**	2.21 U	**3.32**	11 U	10.9 U	2.16 U	**4.69**	**4.68**	10.8 U	10.9 U	146 U	21.9 U	**4.06**	**2.92**	**2.5**	**6.66**
N-Heptane	**12.9**	**869**	**7.13**	1.73 U	**5.86**	**27.5**	**25**	**2.45**	**8.32**	**8.69**	**50.8**	**47.5**	**307**	**115**	**75.4**	1.71 U	**17.8**	**64.8**
o-Xylene	**2.88**	**209**	**2.79**	**5.13**	**4.18**	9.08 U	9.03 U	1.79 U	**24.5**	**24.8**	**16.9**	**15.1**	**197**	**23.5**	**168**	**4.6**	**9.82**	**11.2**
Propylene (Propene)	**167**	**9090**	**2.2**	**6.95**	**66.8**	**974**	**1440**	**15**	**210**	**217**	**714**	**718**	**1700**	**2200**	**189**	**3.06**	**135**	**24.1**
Styrene	1.77 U	100 U	1.79 U	1.79 U	1.75 U	8.9 U	8.86 U	1.75 U	1.78 U	2.21 U	8.77 U	8.86 U	118 U	17.8 U	**11.8**	1.78 U	1.78 U	1.78 U
Tetrachloroethene	2.81 U	**659**	**4.47**	**3.55**	**120**	14.2 U	14.1 U	2.79 U	2.83 U	3.52 U	14 U	14.1 U	**10300**	28.3 U	**25.9**	2.83 U	**34.7**	**25.8**
Tetrahydrofuran	3.07 U	174 U	3.1 U	3.1 U	3.04 U	15.4 U	15.3 U	3.04 U	3.07 U	3.83 U	15.2 U	15.4 U	205 U	31 U	3.1 U	3.1 U	3.1 U	3.07 U
Toluene	**20.2**	**904**	**2.67**	**9.16**	**5.8**	**31.5**	**13.4**	**2.21**	**45.2**	**45.6**	**34.3**	**31.2**	**569**	**61.4**	**475**	**6.33**	**33.3**	**23.1**
trans-1,2-Dichloroethene	1.65 U	93.6 U	1.67 U	1.67 U	1.63 U	8.29 U	8.25 U	1.63 U	1.65 U	2.06 U	8.17 U	8.25 U	**991**	16.6 U	**1.88**	1.66 U	1.66 U	1.65 U
trans-1,3-Dichloropropene	1.88 U	107 U	1.91 U	1.91 U	1.87 U	9.49 U	9.44 U	1.87 U	1.89 U	2.36 U	9.35 U	9.44 U	126 U	19 U	1.91 U	1.9 U	1.9 U	1.89 U
Trichloroethene	2.23 U	127 U	2.26 U	2.26 U	**7.42**	11.2 U	11.2 U	2.21 U	2.24 U	2.79 U	11.1 U	11.2 U	**6070**	22.5 U	**2.27**	2.25 U	2.25 U	2.24 U
Trichlorofluoromethane (CFC-11)	**156**	133 U	**205**	**45.2**	**137**	11.7 U	11.7 U	**163**	**68**	**70.2**	11.6 U	11.7 U	156 U	23.5 U	2.36 U	**8.37**	**260**	**4.09**
Trifluorotrichloroethane (Freon 113)	**20.2**	181 U	3.23 U	3.23 U	3.15 U	16 U	15.9 U	3.15 U	3.2 U	3.98 U	15.8 U	15.9 U	213 U	**83.5**	**133**	3.2 U	3.2 U	3.2 U
Vinyl acetate	7.32 U	415 U	7.43 U	7.43 U	7.25 U	37 U	36.6 U	7.25 U	7.32 U	9.15 U	36.3 U	36.6 U	489 U	73.6 U	7.39 U	7.36 U	7.36 U	7.32 U
Vinyl Bromide (Bromoethene)	1.81 U	103 U	1.84 U	1.84 U	1.8 U	9.14 U	9.09 U	1.8 U	1.82 U	2.27 U	9.01 U	9.09 U	122 U	18.3 U	1.84 U	1.83 U	1.83 U	1.82 U
Vinyl chloride	1.06 U	**910**	1.08 U	1.08 U	1.05 U	5.34 U	5.32 U	1.05 U	1.07 U	1.33 U	5.27 U	5.32 U	**368**	**122**	**36.8**	1.07 U	1.07 U	1.07 U

Notes:
Analyzed by EPA Method TO-15
U = Not detected above laboratory reportingt limit

TABLE 8

FREQUENCY OF DETECTION, MAXIMUM/MINUMUM CONCENTRATIONS, AND EXPOSURE POINT CONCENTRATIONS: SOIL - 0 TO 10 FEET BGS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Chemical	Frequency of Detection	Percentage of Detection	Range of Reporting Limits for Non-Detects	Range of Detected Concentrations	95%UCL	Exposure Point Concentration
Volatile Organics (mg/kg)						
1,1,1,2-Tetrachloroethane	2 / 14	14%	0.0043 : 0.141	0.0036 - 0.0068	--	0.0068
1,2,4-Trichlorobenzene	1 / 61	2%	0.0043 : 7.3	0.0039 - 0.0039	--	0.0039
1,2,4-Trimethylbenzene	1 / 10	10%	0.0043 : 0.0157	1.98 - 1.98	--	1.98
1,2-Dichlorobenzene	1 / 61	2%	0.0043 : 7.3	0.0006 - 0.0006	--	0.0006
1,2-Dichloroethene (total)	9 / 51	18%	0.001 : 1.5	0.00025 - 0.027	--	0.027
1,3,5-Trimethylbenzene	1 / 10	10%	0.0043 : 0.0157	0.847 - 0.847	--	0.847
1,4-Dichlorobenzene	1 / 61	2%	0.0043 : 7.3	0.00061 - 0.00061	--	0.00061
2-Butanone (Methyl Ethyl Ketone)	23 / 61	38%	0.01 : 15	0.004 - 0.16	--	0.16
2-Hexanone	2 / 61	3%	0.01 : 15	0.0015 - 0.0015	--	0.0015
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	6 / 61	10%	0.01 : 15	0.0051 - 0.042	--	0.042
Acenaphthene	3 / 4	75%	0.35 : 0.35	0.0665 - 0.161	--	0.161
Acenaphthylene	4 / 4	100%		0.0273 - 0.279	--	0.279
Acetone	34 / 61		0.036 : 53	0.003 - 0.53	--	0.53
Anthracene	4 / 4			0.121 - 0.398	--	0.398
Benzene	14 / 122		0.001 : 2.22	0.00012 - 0.0068	--	0.0068
Benzo(a)anthracene	4 / 4	100%		0.296 - 1.67	--	1.67
Benzo(a)pyrene	4 / 4	100%		0.257 - 1.46	--	1.46
Benzo(b)fluoranthene	4 / 4			0.346 - 1.6	--	1.6
Benzo(g,h,i)perylene	4 / 4			0.144 - 0.687	--	0.687
Benzo(k)fluoranthene	4 / 4			0.174 - 0.533	--	0.533
Bromomethane (Methyl Bromide)	2 / 61	3%	0.002 : 2.9	0.024 - 0.026	--	0.026
Chloromethane (Methyl Chloride)	1 / 61		0.005 : 7.3	0.00085 - 0.00085	--	0.00085
Chrysene	4 / 4	100%		0.313 - 1.54	--	1.54
cis-1,2-Dichloroethene	9 / 61		0.001 : 1.5	0.00025 - 0.027	--	0.027
Cymene (p-Isopropyltoluene)	1 / 10	10%	0.0043 : 0.0157	0.27 - 0.27	--	0.27
Dibenz(a,h)anthracene	2 / 4		0.035 : 0.037	0.121 - 0.329	--	0.329
Ethylbenzene	11 / 122	9%	0.001 : 2.22	0.00046 - 1	--	1
Fluoranthene	4 / 4	100%		0.965 - 3.05	--	3.05
Fluorene	4 / 4	100%		0.0666 - 0.278	--	0.278
Indeno(1,2,3-cd)pyrene	4 / 4	100%		0.143 - 0.714	--	0.714
Isopropylbenzene (Cumene)	10 / 61	16%	0.001 : 0.141	0.0002 - 0.71	--	0.71
m,p-Xylenes	16 / 122	13%	0.002 : 4.43	0.00021 - 3.5	--	3.5
Methyl cyclohexane	8 / 51	16%	0.004 : 0.24	0.001 - 2.2	--	2.2
Methyl Tert Butyl Ether	12 / 65	18%	0.0013 : 2.9	0.00027 - 0.013	--	0.013
Methylene chloride	10 / 61	16%	0.005 : 7.3	0.0012 - 0.0148	--	0.0148
Naphthalene	6 / 21	29%	0.0041 : 2.22	0.0017 - 0.73	--	0.73
n-Butylbenzene	1 / 10	10%	0.0043 : 0.0157	0.169 - 0.169	--	0.169
o-Xylene	16 / 122	13%	0.002 : 2.22	0.00021 - 1.6	--	1.6
Phenanthrene	4 / 4	100%		0.553 - 3.11	--	3.11
Pyrene	4 / 4	100%		0.434 - 3.26	--	3.26
Styrene	4 / 61	7%	0.002 : 2.9	0.00084 - 0.031	--	0.031
Tetrachloroethene	10 / 61	16%	0.001 : 1.5	0.00031 - 3.6	0.45	0.45
Toluene	12 / 122	10%	0.0015 : 2.22	0.00022 - 0.14	--	0.14
trans-1,2-Dichloroethene	1 / 61	2%	0.0015 : 2.2	0.00079 - 0.00079	--	0.00079
Trichloroethene	5 / 61		0.001 : 1.5	0.00032 - 0.0031	--	0.0031
Trichlorofluoromethane (CFC-11)	3 / 61	5%	0.0043 : 7.3	0.0011 - 0.051	--	0.051
Trifluorotrichloroethane (Freon 113)	1 / 51	2%	0.02 : 29	0.0012 - 0.0012	--	0.0012
Vinyl chloride	6 / 61		0.002 : 2.9	0.00025 - 0.0064	--	0.0064
Xylene (total)	18 / 126	14%	0.002 : 4.43	0.00022 - 5.1	0.0074	0.0074
Semi-Volatile Organics (mg/kg)						
2-Methylnaphthalene	69 / 364	19%	0.2 : 20	0.027 - 31	--	31
Acenaphthene	125 / 364	34%	0.14 : 20	0.021 - 24	--	24
Acenaphthylene	115 / 364	32%	0.14 : 20	0.034 - 17	--	17
Anthracene	194 / 364	53%	0.1 : 20	0.035 - 52	--	52
Benzo(a)anthracene	243 / 364	67%	0.1 : 20	0.03 - 96	3.4	3.4
Benzo(a)pyrene	230 / 364	63%	0.14 : 20	0.046 - 76	2.8	2.8
Benzo(b)fluoranthene	244 / 364	67%	0.1 : 20	0.039 - 98	3.5	3.5
Benzo(g,h,i)perylene	221 / 364	61%	0.14 : 20	0.033 - 41	--	41
Benzo(k)fluoranthene	213 / 364	59%	0.1 : 20	0.035 - 23	--	23
Chrysene	247 / 364	68%	0.1 : 20	0.021 - 100	3.3	3.3
Dibenz(a,h)anthracene	149 / 364	41%	0.1 : 20	0.035 - 12	0.48	0.48
Fluoranthene	268 / 364	74%	0.1 : 20	0.037 - 180	--	180
Fluorene	113 / 364	31%	0.17 : 20	0.027 - 23	--	23
Indeno(1,2,3-cd)pyrene	216 / 364	59%	0.14 : 20	0.042 - 46	1.8	1.8
Naphthalene	85 / 364	23%	0.17 : 20	0.027 - 14	0.58	0.58
Phenanthrene	248 / 364	68%	0.1 : 20	0.038 - 170	--	170
Pyrene	265 / 364	73%	0.1 : 20	0.039 - 170	--	170
Petroleum Hydrocarbons (mg/kg)						
Diesel Fuel	5 / 8	63%	5.9 : 6	38.3 - 1260	--	1260
Diesel Range Organics	5 / 6	83%	8.889E+09 : 8.889E+09	11 - 1810	--	1810
Gasoline	1 / 6	17%	4.7 : 9.9	511 - 511	--	511
Gasoline Range Organics	82 / 445	18%	2.3 : 8.889E+09	0.66 - 320	--	320
Total Petroleum Hydrocarbons (C10-C28) DRO	10 / 11	91%	6.3 : 6.3	11.2 - 3260	--	3260
Total Petroleum Hydrocarbons (C28-C40)	5 / 5	100%		22.4 - 6590	--	6590
Total Petroleum Hydrocarbons (C6-C10) GRO	1 / 11	9%	6.3 : 6.3	11.2 - 3260	--	3260
Total Petroleum Hydrocarbons (C9-C44) DRO	407 / 439	93%	33.4 : 42.7	4.32 - 54000	--	54000
Inorganics (mg/kg)						
Aluminum	267 / 267	100%		1800 - 17000	--	17000
Antimony	90 / 269	33%	0.45 : 6.1	0.73 - 190	8.9	8.9
Arsenic	262 / 274	96%	0.8 : 4.2	0.17 - 47	9.4	9.4
Barium	272 / 272	100%		6.2 - 1100	160	160
Beryllium	263 / 269	98%	0.4 : 0.44	0.083 - 1.2	0.48	0.48
Cadmium	109 / 274	40%	0.09 : 4.4	0.06 - 93	2.9	2.9
Calcium	267 / 267	100%		100 - 75000	--	75000
Chromium	274 / 274	100%		4.8 - 400	--	400
Cobalt	266 / 267	100%	1.7 : 1.7	0.6 - 130	10	10
Copper	269 / 269	100%		2 - 14000	360	360
Iron	267 / 267	100%		2980 - 330000	31000	31000
Lead	266 / 276	96%	4.1 : 4.7	0.75 - 7900	610	610
Magnesium	267 / 267	100%		110 - 20000	--	20000
Manganese	267 / 267	100%		3.9 - 2800	360	360
Mercury	265 / 274	97%	0.07 : 0.08	0.02 - 23	1.5	1.5
Nickel	273 / 273	100%		0.19 - 1100	41	41
Potassium	265 / 267	99%	550 : 596	100 - 5100	--	5100
Selenium	107 / 274	39%	0.7 : 8.6	0.27 - 6.2	--	6.2
Silver	60 / 274	22%	0.45 : 1.2	0.18 - 3.9	--	3.9
Sodium	252 / 267	94%	170 : 624	24 - 14000	--	14000
Thallium	9 / 269	3%	0.7 : 2.6	0.37 - 1.2	--	1.2
Vanadium	267 / 267	100%		8.8 - 890	350	350
Zinc	269 / 269	100%		1.3 - 21000	720	720
PCBs (mg/kg)						
Total Polychlorinated biphenyls (PCBs)	44 / 106	42%	0.034 : 0.379	0.00473 - 31.8	0.7	0.7

Notes:

Concentrations in milligrams per kilogram (mg/kg)
95% UCL = 95% Upper Confidence Level
-- = 95% UCL not calculated

TABLE 9

FREQUENCY OF DETECTION, MAXIMUM/MINUMUM CONCENTRATIONS, AND EXPOSURE POINT CONCENTRATIONS: ANCILLARY DEVELOPMENT SOIL, 0 TO 10 FEET BGS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Chemical	Frequency of Detection	Percentage of Detection	Range of Reporting Limits for Non-Detects	Range of Detected Concentrations	95%UCL	Exposure Point Concentration
Volatile Organics (mg/kg)						
Acetone	1 / 4	25%	4.3 : 53	0.12 - 0.12	--	0.12
Bromomethane (Methyl Bromide)	1 / 4	25%	0.24 : 2.9	0.024 - 0.024	--	0.024
Ethylbenzene	3 / 7	43%	0.0042 : 1.03	0.16 - 1	--	1
Isopropylbenzene (Cumene)	3 / 4	75%	0.058 : 0.058	0.12 - 0.71	--	0.71
m,p-Xylenes	3 / 7	43%	0.0085 : 2.07	0.61 - 3.5	--	3.5
Methyl cyclohexane	4 / 4	100%		0.084 - 2.2	--	2.2
o-Xylene	4 / 7	57%	0.0042 : 1.03	0.098 - 1.6	--	1.6
Tetrachloroethene	1 / 4	25%	0.12 : 1.5	3.6 - 3.6	--	3.6
Toluene	2 / 7	29%	0.0042 : 2.2	0.034 - 0.14	--	0.14
Xylene (total)	4 / 7	57%	0.0085 : 2.07	0.098 - 5.1	--	5.1
Semi-Volaile Organics (mg/kg)						
2-Methylnaphthalene	4 / 38	11%	0.21 : 0.24	0.11 - 31	--	31
Acenaphthene	1 / 38	3%	0.14 : 0.79	1.1 - 1.1	--	1.1
Acenaphthylene	1 / 38	3%	0.14 : 0.77	0.69 - 0.69	--	0.69
Anthracene	3 / 38	8%	0.11 : 0.58	0.047 - 0.31	--	0.31
Benzo(a)anthracene	4 / 38	11%	0.11 : 0.59	0.046 - 0.33	--	0.33
Benzo(a)pyrene	2 / 38	5%	0.14 : 0.79	0.065 - 0.18	--	0.18
Benzo(b)fluoranthene	3 / 38	8%	0.11 : 0.59	0.075 - 0.28	--	0.28
Benzo(g,h,i)perylene	2 / 38	5%	0.14 : 0.79	0.041 - 0.074	--	0.074
Benzo(k)fluoranthene	1 / 38	3%	0.11 : 0.59	0.11 - 0.11	--	0.11
Chrysene	4 / 38	11%	0.11 : 0.59	0.042 - 0.32	--	0.32
Fluoranthene	6 / 38	16%	0.11 : 0.59	0.042 - 0.78	--	0.78
Fluorene	3 / 38	8%	0.18 : 0.2	0.43 - 4	--	4
Indeno(1,2,3-cd)pyrene	2 / 38	5%	0.14 : 0.79	0.043 - 0.088	--	0.088
Naphthalene	3 / 38	8%	0.18 : 0.2	1 - 10	--	10
Phenanthrene	6 / 38	16%	0.11 : 0.12	0.052 - 7	--	7
Pyrene	8 / 38	21%	0.11 : 0.12	0.04 - 0.61	--	0.61
Petroleun Hydrocarbons (mg/kg)						
Diesel Fuel	2 / 3	67%	5.9 : 5.9	38.3 - 483	--	483
Gasoline Range Organics	5 / 52	10%	2.4 : 3	0.97 - 320	--	320
Total Petroleum Hydrocarbons (C9-C44) DRO	35 / 52	67%	35.2 : 39.4	4.53 - 8650	--	8650
Percent Solids (%)						
Total Solids	52 / 52	100%		82.3 - 90.6	--	90.6

Notes:
Concentrations in milligrams per kilogram (mg/kg)
95% UCL = 95% Upper Confidence Level
-- = 95% UCL not calculated

TABLE 10

FREQUENCY OF DETECTION, MAXIMUM/MINUMUM CONCENTRATIONS, AND EXPOSURE POINT CONCENTRATIONS: GROUNDWATER

BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT

WASHINGTON, D.C.

Chemical	Frequency of Detection	Percentage of Detection	Range of Reporting Limits for Non-Detects	Range of Detected Concentrations	Exposure Point Concentration
Volatile Organics (mg/L)					
1,1,2,2-Tetrachloroethane	1 / 2	50%	0.0001 : 0.0001	0.000005 - 0.000005	0.000005
1,2-Dichloroethane	3 / 20	15%	0.0005 : 0.01	0.00029 - 0.0074	0.0074
1,2-Dichloroethene (total)	1 / 10		0.0005 : 0.01	0.0055 - 0.0055	0.0055
1,4-Dioxane	2 / 8		0.25 : 5	0.15 - 0.22	0.22
Acetone	10 / 20	50%	0.005 : 0.25	0.002 - 0.625	0.625
Benzene	6 / 22	27%	0.0005 : 0.01	0.0021 - 0.0344	0.0344
Carbon disulfide	3 / 10	30%	0.005 : 0.1	0.00034 - 0.00076	0.00076
Chloroform (Trichloromethane)	1 / 20		0.00075 : 0.015	0.00089 - 0.00089	0.00089
Chloromethane (Methyl Chloride)	5 / 20	25%	0.001 : 0.05	0.00092 - 0.0044	0.0044
cis-1,2-Dichloroethene	3 / 20	15%	0.0005 : 0.01	0.0018 - 0.0702	0.0702
Cyclohexane	2 / 10		0.01 : 0.2	0.0016 - 0.052	0.052
Ethylbenzene	2 / 22		0.0005 : 0.01	0.0064 - 0.0122	0.0122
Isopropylbenzene (Cumene)	3 / 10		0.0005 : 0.01	0.00019 - 0.051	0.051
m,p-Xylenes	5 / 22	23%	0.001 : 0.02	0.00071 - 0.0036	0.0036
Methyl cyclohexane	2 / 10	20%	0.01 : 0.2	0.00077 - 0.027	0.027
Methyl Tert Butyl Ether	6 / 20		0.001 : 0.02	0.00032 - 0.054	0.054
Methylene chloride	3 / 20	15%	0.002 : 0.05	0.00037 - 0.0424	0.0424
Naphthalene	2 / 11	18%	0.001 : 0.01	0.0014 - 0.0674	0.0674
o-Xylene	1 / 22	5%	0.001 : 0.02	0.00055 - 0.00055	0.00055
Tetrachloroethene	2 / 20	10%	0.0005 : 0.01	0.0023 - 0.0025	0.0025
Toluene	4 / 22	18%	0.00075 : 0.015	0.00027 - 0.002	0.002
trans-1,2-Dichloroethene	1 / 20	5%	0.00075 : 0.015	0.001 - 0.001	0.001
Trichloroethene	2 / 20	10%	0.0005 : 0.01	0.00035 - 0.0439	0.0439
Vinyl chloride	2 / 20		0.001 : 0.02	0.0018 - 0.038	0.038
Xylene (total)	5 / 22	23%	0.001 : 0.02	0.00071 - 0.0036	0.0036

Notes:

Concentrations in milligrams per kilogram (mg/L)

95% UCL = 95% Upper Confidence Level

-- = 95% UCL not calculated

TABLE 11

FREQUENCY OF DETECTION, MAXIMUM/MINUMUM CONCENTRATIONS, AND EXPOSURE POINT CONCENTRATIONS: SOIL GAS

BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT

WASHINGTON, D.C.

Chemical	Frequency of Detection	Percentage of Detection	Range of Reporting Limits for Non-Detects	Range of Detected Concentrations	95%UCL	Exposure Point Concentration
1,1-Dichloroethene	1 / 18	6%	1.63 : 93.6	395 - 395	--	395
1,2,4-Trimethylbenzene	17 / 18	94%	10.2 : 10.2	4.11 - 292	--	292
1,3,5-Trimethylbenzene	12 / 18	67%	2.02 : 116	2.65 - 175	--	175
1,3-Butadiene	13 / 18	72%	0.909 : 61.5	0.978 - 237	--	237
2,2,4-Trimethylpentane	8 / 18	44%	1.92 : 9.76	3.83 - 8730	--	8730
2-Butanone (Methyl Ethyl Ketone)	15 / 18	83%	15.3 : 205	6.67 - 57.8	--	57.8
2-Hexanone	5 / 18	28%	1.68 : 114	2.04 - 8.48	--	8.48
4-Ethyl toluene	8 / 18	44%	2.02 : 137	2.14 - 92.4	--	92.4
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	3 / 18	17%	4.22 : 285	5.57 - 253	--	253
Acetone	16 / 18	89%	4.99 : 330	10.5 - 316	--	316
Benzene	14 / 18	78%	1.31 : 1.34	3.51 - 473	--	473
Bromodichloromethane	1 / 18	6%	2.75 : 186	21.4 - 21.4	--	21.4
Carbon disulfide	12 / 18	67%	1.28 : 6.48	2.87 - 128	--	128
Chloroform (Trichloromethane)	3 / 18	17%	2.01 : 136	5.08 - 131	--	131
Chloromethane (Methyl Chloride)	1 / 18	6%	0.849 : 57.4	0.987 - 0.987	--	0.987
cis-1,2-Dichloroethene	3 / 18	17%	1.63 : 16.6	11.1 - 37200	--	37200
Cyclohexane	17 / 18	94%	7.19 : 7.19	1.62 - 1070	--	1070
Dichlorodifluoromethane (CFC-12)	8 / 18	44%	2.07 : 137	2.08 - 48.8	--	48.8
Ethanol	3 / 18	17%	19.4 : 1310	24.9 - 29.2	--	29.2
Ethyl acetate	1 / 18	6%	3.71 : 251	16.6 - 16.6	--	16.6
Ethylbenzene	12 / 18	67%	1.79 : 121	2.5 - 301	--	301
Hexane	16 / 18	89%	1.47 : 1.48	5.36 - 2380	--	2380
Isopropyl Alcohol	3 / 18	17%	2.53 : 171	2.8 - 8.33	--	8.33
m,p-Xylenes	15 / 18	83%	3.57 : 18.2	6.25 - 526	--	526
Methyl Tert Butyl Ether	2 / 18	11%	1.48 : 100	208 - 433	--	433
Methylene chloride	6 / 18	33%	3.58 : 205	3.96 - 459	--	459
Naphthalene	9 / 18	50%	2.16 : 146	2.5 - 6.66	--	6.66
N-Heptane	16 / 18	89%	1.71 : 1.73	2.45 - 869	--	869
o-Xylene	15 / 18	83%	1.79 : 9.08	2.79 - 209	--	209
Propylene (Propene)	18 / 18	100%	:	2.2 - 9090	--	9090
Styrene	1 / 18	6%	1.75 : 118	11.8 - 11.8	--	11.8
Tetrachloroethene	8 / 18	44%	2.79 : 28.3	3.55 - 10300	--	10300
Toluene	18 / 18	100%	:	2.21 - 904	--	904
trans-1,2-Dichloroethene	2 / 18	11%	1.63 : 93.6	1.88 - 991	--	991
Trichloroethene	3 / 18	17%	2.21 : 127	2.27 - 6070	--	6070
Trichlorofluoromethane (CFC-11)	10 / 18	56%	2.36 : 156	4.09 - 260	--	260
Trifluorotrichloroethane (Freon 113)	3 / 18	17%	3.15 : 213	20.2 - 133	--	133
Vinyl chloride	4 / 18	22%	1.05 : 5.34	36.8 - 910	--	910

Notes:

Concentrations in micrograms per cubic meter (ug/m^3)

95% UCL = 95% Upper Confidence Level

-- = 95% UCL not calculated

TABLE 12

SUMMARY OF SITE-SPECIFIC BACKGROUND METALS EVALUATION
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

						Regional Background Data						
						Maximum Reported Concentration						
Chemical	Number of Detects	Number of Samples	Frequency of Detection	Minimum Detected Result (mg/kg)	Maximum Detected Result (mg/kg)	Kenilworth Park Landfill Report Background Concentration[1]	Montgomery County, Maryland[2]	Prince George's County, Maryland[2]	Fairfax County, Virginia[2]	Break Point/Point of Departure identified on QQ-Plots After Removing Outliers	Data Distribution Based on ProUCL Statistics	**Site-specific Background Threshold Value (USL)**
Aluminum	352	352	100%	1,800	17,000	11,000	74,000	42,000	60,000	17,000	Nonparametric	**17,000**
Antimony	96	354	27%	0.73	190	1.2	nr	nr	nr	16.9	Lognormal	**24.3**
Arsenic	349	369	95%	0.17	47	12.4	7.3	9.9	4.7	15	Nonparametric	**15**
Barium	363	363	100%	6.2	1,100	285	nr	nr	nr	390	Nonparametric	**390**
Beryllium	348	354	98%	0.083	2.9	nr	nr	nr	nr	0.92	Nonparametric	**0.92**
Cadmium	120	365	33%	0.06	93	4.3	nr	nr	nr	2.4	Nonparametric	**2.4**
Chromium	369	369	100%	4.8	400	62.5	nr	nr	nr	47.7	Nonparametric	**47.7**
Cobalt	351	352	100%	0.6	130	29	nr	nr	nr	20.4	Nonparametric	**20.4**
Copper	358	358	100%	2	14,000	43	33	27	30	120	Nonparametric	**120**
Iron	352	352	100%	2,980	330,000	54,000	68,000	55,000	53,000	48,000	Nonparametric	**48,000**
Lead	370	397	93%	0.2	7,900	189	180	380	200	600	Nonparametric	**600**
Magnesium	352	352	100%	110	20,000	640	10,700	6,000	7,000	3,700	Nonparametric	**3,700**
Manganese	352	352	100%	3.9	2,800	nr	1,500	1,000	1,200	600	Nonparametric	**600**
Mercury	321	369	87%	0.0078	23	2.7	1.7	1.3	1.9	3	Nonparametric	**3**
Nickel	366	367	100%	0.042	1,100	27	nr	nr	nr	27	Nonparametric	**27**
Selenium	117	365	32%	0.27	6.2	1.7	0.49	0.37	0.40	0.92	Nonparametric	**0.92**
Silver	64	365	18%	0.18	3.9	nr	nr	nr	nr	0.7	Normal	**0.88**
Thallium	10	354	3%	0.36	1.2	nr	nr	nr	nr	0.46	Normal	**0.54**
Vanadium	352	352	100%	8.8	890	60	nr	nr	nr	77	Nonparametric	**77**
Zinc	358	358	100%	1.3	21,000	290	100	100	110	260	Nonparametric	**260**

Notes:
1. The Johnson Company, Inc., 2012. Feasibility Study Report, Kenilworth Park Landfill, Northeast, Washington, D.C. April.
2. U.S. Geological Survey (USGS), 2016. Website Accessed December 2016: https://mrdata.usgs.gov/geochem/doc/averages/as/east-central.html
nr = not reported

TABLE 13

AFSOIL: COMPARISON OF ESTIMATED SOIL GAS CONCENTRATIONS AT THE WATER TABLE TO MEASURED SOIL GAS CONCENTRATIONS IN THE VADOSE ZONE SOIL

D.C. UNITED SOCCER STADIUM DEVELOPMENT

WASHINGTON, D.C.

Volatile Organic Compounds (ug/L)	B-5					GTW-607-13-1					GTW-661-24-1				
	Max Concentration in Groundwater ug/L	Henry's Law (unitless)	Estimated Soil Gas Concentration ug/m^3	Measured Soil Gas Concentration ug/m^3	Attenuation Factor	Max Concentration in Groundwater ug/L	Henry's Law (unitless)	Estimated Soil Gas Concentration ug/m^3	Measured Soil Gas Concentration ug/m^3	Attenuation Factor	Max Concentration in Groundwater ug/L	Henry's Law (unitless)	Estimated Soil Gas Concentration ug/m^3	Measured Soil Gas Concentration ug/m^3	Attenuation Factor
Benzene						10.2	2.3E-01	2346	11.2	209					
Carbon disulfide						0.52	5.9E-01	306.8	3.89	78.9					
Chloromethane (Methyl Chloride)											1.2	3.6E-01	432	0.987	438
Cyclohexane						1.6	6.1E+00	9760	19.8	493					
Methyl Tert Butyl Ether	30	2.4E-02	720	208	3.5										
Tetrachloroethene											2.5	7.2E-01	1800	25.9	69

Notes:

The approximate depth to groundwater measured in the above-noted wells is 14 to 25 feet below ground surface.

Soil gas samples were collected at a depth of approximately 8 feet below ground surface.

TABLE 14

SUMMARY OF JOHNSON & ETTINGER MODEL DERIVED ATTENUATION FACTORS AND ESTIMATED INDOOR AIR CONCENTRATIONS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Chemical	Maximum Soil Gas Concentration (ug/m^3)	J&E Model Derived Attenuation Factor (unitless)	Estimated Indoor Air Concentration (ug/m^3)
Trichloroethene	6070	8.33E-04	5.05E+00
Vinyl chloride	910	8.68E-04	7.89E-01
1,1-Dichloroethene	395	8.49E-04	3.35E-01
1,2,4-Trimethylbenzene	292	7.95E-04	2.32E-01
1,3,5-Trimethylbenzene	175	7.94E-04	1.39E-01
1,3-Butadiene	237	9.33E-04	2.21E-01
2,2,4-Trimethylpentane (surrogate = Hexane)	8730	9.20E-04	8.04E+00
2-Butanone (Methyl Ethyl Ketone)	57.8	8.36E-04	4.83E-02
2-Hexanone (surrogate = 2-Butanone)	8.48	8.36E-04	7.09E-03
4-Ethyl toluene (surrogate = o-Xylenes)	92.4	8.45E-04	7.81E-02
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	253	8.26E-04	2.09E-01
Acetone	316	8.83E-04	2.79E-01
Benzene	473	8.46E-04	4.00E-01
Bromodichloromethane	21.4	6.61E-04	1.41E-02
Carbon disulfide	128	8.65E-04	1.11E-01
Chloroform (Trichloromethane)	131	8.65E-04	1.13E-01
Chloromethane (Methyl Chloride)	0.987	8.85E-04	8.73E-04
cis-1,2-Dichloroethene	37200	8.23E-04	3.06E+01
Cyclohexane (surrogate = methylcyclohexane)	1070	8.23E-04	8.81E-01
Dichlorodifluoromethane (CFC-12)	48.8	8.09E-04	3.95E-02
Ethanol (surrogate = Isobutanol)	29.2	8.44E-04	2.46E-02
Ethyl acetate	16.6	8.22E-04	1.37E-02
Ethylbenzene	301	8.26E-04	2.49E-01
Hexane	2380	9.20E-04	2.19E+00
Isopropyl Alcohol (surrogate = Isobutanol)	8.33	8.44E-04	7.03E-03
m,p-Xylenes (surrogate - p-Xylene)	526	8.29E-04	4.36E-01
Methyl Tert Butyl Ether	433	8.64E-04	3.74E-01
Methylene chloride	459	8.62E-04	3.96E-01
Naphthalene	6.66	7.90E-04	5.26E-03
N-Heptane (surrogate = Hexane)	869	9.20E-04	8.00E-01
o-Xylene	209	8.45E-04	1.77E-01
Propylene (Propene) (surrogate = Hexane)	9090	9.20E-04	8.37E+00
Styrene	11.8	8.18E-04	9.65E-03
Tetrachloroethene	10300	8.20E-04	8.45E+00
Toluene	904	8.45E-04	7.64E-01
trans-1,2-Dichloroethene	991	8.18E-04	8.10E-01
Trichlorofluoromethane (CFC-11)	260	8.45E-04	2.20E-01
Trifluorotrichloroethane (Freon 113)	133	8.31E-04	1.11E-01

Notes:
Concentrations in micrograms per kilogram (ug/m^3)

TABLE 15

SUMMARY OF JOHNSON & ETTINGER MODEL INPUT PARAMETERS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Parameter	Symbol	Units	Value	Rationale
Input Parameter - Future Commercial/Industrial Structure				
Average soil/groundwater temperature	Ts	^{o}C	14	Site-specific; EPA, 2014
Thickness of soil stratum A	h_A	cm	427	Site-specific, Depth to soil gas samples after site grading
Soil stratum A SCS soil type (used to estimate soil vapor permeability)	---	---	LS	Site-specific, Default Loamy Sand; EPA, 2004
Stratum A SCS soil type	---	---	LS	Site-specific, Default Loamy Sand; EPA, 2004
Stratum A soil dry bulk density	r_b^A	g/cm^3	1.62	Site-specific, Default Loamy Sand; EPA, 2004
Stratum A soil total porosity	h^A	unitless	0.39	Site-specific, Default Loamy Sand; EPA, 2004
Stratum A soil water-filled porosity	q_w^A	cm^3/cm^3	0.076	Site-specific, Default Loamy Sand; EPA, 2004
Enclosed space floor thickness	L_{crack}	cm	10	Default EPA, 2004
Soil-bldg. pressure differential	sP	$g/cm\text{-}s^2$	40	Default EPA, 2004
Enclosed space floor length	LB	cm	1,000	Default EPA, 2004
Enclosed space floor width	WB	cm	1,000	Default EPA, 2004
Enclosed space height	HB	cm	366	Default for basement EPA, 2004
Floor-wall seam crack width	w	cm	0.1	Default EPA, 2004
Indoor air exchange rate	ER	1/h	0.83	Default for commercial sturcture; DCRBCA, 2011
Average vapor flow rate into building	Q_{soil}	L/min	5	EPA, 2004

References:

EPA, 2004. User's Guide for Evaluating Subsurface Vapor Intrusion into Buildings. Revised 22 February.

DCRBCA, 2011. District of Columbia Risk-Based Corrective Action Technical Guidance. Updated June 2011.

RECEPTOR EXPOSURE PARAMETERS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

EXPOSURE ASSUMPTIONS

Receptor: On-Site Construction Worker During Site Redevelopment (Adult)

Complete Pathways:

- Incidental ingestion of soil
- Dermal contact with soil
- Inhalation of particulates and VOCs in ambient air

Parameter	Reasonable Maximum Exposure (RME)
General Parameters:	
Body Weight (BW)	Value: 80 kg Rationale: Default value: EPA 2014
Exposure Frequency (EF)	Value: 250 days/year (5 days per week for 50 weeks) Rationale: Default value: EPA 1997, 2002, 2004, 2014
Exposure Duration (ED)	Value: 1 year Rationale: Site-specific assumption
Averaging Time (AT)	Value: Carcinogenic Effects: 70 years (25,550 days) Noncarcinogenic Effects: AT = Exposure duration Rationale: Default value: EPA 1997, 2002, 2004, 2014
Dermal Contact with Soil:	
Soil Adherence Factor (AF)	Value: 0.3 mg/cm^3 Rationale: Default value: EPA 2002
Event Frequency (EV)	Value: 1 event/day Rationale: Default value, EPA 2002, 2004
Skin Surface Area (SA)	Value: 3,527 cm^2 Rationale: Default value: EPA 2014
Dermal Absorption Fraction (ABS_d)	Value: Chemical-specific Rationale: EPA 2004
Incidental Soil Ingestion:	
Ingestion Rate (IR_{soil})	Value: 330 mg/day Rationale: Default value: EPA 2002;

Parameter	Reasonable Maximum Exposure (RME)
Relative Absorption Factor (RAF)	Value: 1.0 Rationale: Assumed total dose is absorbed
Inhalation of Particulates/VOCs:	
Exposure Time:	Value: 8 hours/day Rationale: Default value: EPA 2009, 2014

Receptor: Off-Site Resident During Site Redevelopment (Child)

Complete Pathways:

- Inhalation of particulates and VOCs in ambient air

Parameter	Reasonable Maximum Exposure (RME)
General Parameters:	
Body Weight (BW)	Value: 15 kg (child, the most sensitive receptor for this age group) Rationale: EPA 1997, 2002, 2014
Exposure Frequency (EF)	Value: 350 days/yr Rationale: EPA 1997, 2002, 2014
Exposure Duration (ED)	Value: 1 year (Child) Rationale: Site-specific assumption
Averaging Time (AT)	Value: Carcinogenic Effects: 70 years (25,550 days) Noncarcinogenic Effects: AT = Exposure duration Rationale: Default value: EPA 1997, 2002, 2004, 2014
Inhalation of Particulates/VOCs:	
Exposure Time:	Value: 24 hours/day Rationale: Default value: EPA 2009, 2014

RECEPTOR EXPOSURE PARAMETERS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Receptor: On-Site Landscaper Worker After Site Redevelopment (Adult)

Complete Pathways:

- Incidental ingestion of soil
- Dermal contact with soil
- Inhalation of particulates and VOCs in ambient air

Parameter	Reasonable Maximum Exposure (RME)
General Parameters:	
Body Weight (BW)	Value: 80 kg Rationale: Default value: EPA 2014
Exposure Frequency (EF)	Value: 72 days/year (2 days per week for 36 weeks, March through November) Rationale: Site-specific assumption
Exposure Duration (ED)	Value: 25 years Rationale: Default value: EPA 1997, 2002, 2004, 2014
Averaging Time (AT)	Value: Carcinogenic Effects: 70 years (25,550 days) Noncarcinogenic Effects: AT = Exposure duration Rationale: Default value: EPA 1997, 2002, 2004, 2014
Dermal Contact with Soil:	
Soil Adherence Factor (AF)	Value: 0.12 mg/cm^3 Rationale: Default value for adult worker: EPA 2014
Event Frequency (EV)	Value: 1 event/day Rationale: Default value: EPA 2002, 2004
Skin Surface Area (SA)	Value: 3,527 cm^2 Rationale: Default value for adult worker: EPA 2014
Dermal Absorption Fraction (ABS_d)	Value: Chemical-specific Rationale: EPA 2004
Incidental Soil Ingestion:	
Ingestion Rate (IR_{soil})	Value: 100 mg/day Rationale: Default value adult outdoor worker: EPA 2014
Relative Absorption Factor (RAF)	Value: 1.0 Rationale: Assumed total dose is absorbed
Inhalation of Particulates/VOCs:	

Parameter	Reasonable Maximum Exposure (RME)
Exposure Time:	Value: 8 hours/day Rationale: Default value: EPA 2009, 2014

Receptor: On-Site Commercial Worker After Site Redevelopment (Adult)

Complete Pathways:

- Inhalation of VOCs in indoor air

Parameter	Reasonable Maximum Exposure (RME)
General Parameters:	
Body Weight (BW)	Value: 80 kg Rationale: Default value: EPA 2014
Exposure Frequency (EF)	Value: 250 days/year (5 days per week for 50 weeks) Rationale: Default value: EPA 1997, 2002, 2004, 2014
Exposure Duration (ED)	Value: 25 years Rationale: Default value: EPA 1997, 2002, 2004, 2014
Averaging Time (AT)	Value: Carcinogenic Effects: 70 years (25,550 days) Noncarcinogenic Effects: AT = Exposure duration Rationale: Default value: EPA 1997, 2002, 2004, 2014
Inhalation of Particulates/VOCs:	
Exposure Time:	Value: 8 hours/day Rationale: Default value: EPA 2009, 2014

RECEPTOR EXPOSURE PARAMETERS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Receptor: On-Site Spectator After Site Redevelopment (Child/Adult)

Complete Pathways:

- Inhalation of VOCs in indoor air

Parameter	Reasonable Maximum Exposure (RME)
General Parameters:	
Body Weight (BW)	Value: 15 kg (child/teen), 80 kg (adult) Rationale: Default value: EPA 2014
Exposure Frequency (EF)	Value: 25 days/yr Rationale: Site-specific assumption, (17 regular season games, 3 playoff games, and 5 preseason and tournament games)
Exposure Duration (ED)	Value: 6 years (Child); 20 years (Adult) Rationale: Site-specific assumption
Averaging Time (AT)	Value: Carcinogenic Effects: 70 years (25,550 days) Noncarcinogenic Effects: AT = Exposure duration Rationale: Default value: EPA 1997, 2002, 2004, 2014
Dermal Contact with Soil:	
Soil Adherence Factor (AF)	Value: 0.2 mg/cm^3 (Child) 0.07 mg/cm^3 (Adult) Rationale: Default value for residential receptor: EPA 2014
Event Frequency (EV)	Value: 1 event/day Rationale: Default value: EPA 2002, 2004
Skin Surface Area (SA)	Value: 2,373 cm^2 (Child) 6,032 cm^2 (Adult) Rationale: Default value for residential receptor: EPA 2014
Dermal Absorption Fraction (ABS_d)	Value: Chemical-specific Rationale: EPA 2004
Incidental Soil Ingestion:	
Ingestion Rate (IR_{soil})	Value: 200 mg/day (Child) 100 mg/day (Adult) Rationale: Default value for residential receptor: EPA 2014

RECEPTOR EXPOSURE PARAMETERS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Parameter	**Reasonable Maximum Exposure (RME)**
Relative Absorption Factor (RAF)	Value: 1.0 Rationale: Assumed total dose is absorbed
Inhalation of Particulates/VOCs:	
Exposure Time:	Value: 4 hours/day Rationale: Site-specific assumption, typical length of soccer game

REFERENCES

EPA, 1997. Exposure Factors Handbook, Volumes I through III. Office of Research and Development. EPA/600/D-95/002Fa through Fc. August.

EPA, 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Office of Solid Waste and Emergency Response. OSWER 9355.4-24. December.

EPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment). Office of Emergency and Remedial Response. July.

EPA, 2009. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment), January.

EPA, 2014. Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors. 6 February.

TABLE 17
TOXICITY VALUES FOR CHEMICALS DETECTED IN SOIL
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Chemical	CASRN	Chronic Oral Reference Dose RfD-o (mg/kg-day)	REF	Chronic Dermal Reference Dose RfD-d (mg/kg-day)	REF	Chronic Inhalation Ref. Concentration RfC-i mg/m3	REF	Oral Cancer Slope Factor CSF-o 1/(mg/kg/day)	REF	Dermal Cancer Slope Factor CSF-d 1/(mg/kg/day)	REF	Inhalation Unit Risk UR 1/(µg/m3)	REF	Mutagen
Trichloroethylene	79-01-6	5.0E-04	I	5.0E-04	I	2.0E-03	I	4.6E-02	I	4.6E-02	I	4.1E-06	I	Y
Vinyl Chloride	75-01-4	3.0E-03	I	3.0E-03	I	1.0E-01	I	7.2E-01	I	7.2E-01	I	4.4E-06	I	Y
1,1,1,2-Tetrachloroethane	630-20-6	3.0E-02	I	3.0E-02	I			2.6E-02	I	2.6E-02	I	7.4E-06	I	N
1,1,2,2-Tetrachloroethane	79-34-5	2.0E-02	I	2.0E-02	I			2.0E-01	I	2.0E-01	I			N
1,2,4-Trichlorobenzene	120-82-1	1.0E-02	I	1.0E-02	I	2.0E-03	P	2.9E-02	P	2.9E-02	P			N
1,2,4-Trimethylbenzene	95-63-6					7.0E-03	P							N
1,2-Dichlorobenzene	95-50-1	9.0E-02	I	9.0E-02	I	2.0E-01	H							N
1,3,5-Trimethylbenzene	108-67-8													N
1,4-Dichlorobenzene	106-46-7	7.0E-02	A	7.0E-02	A	8.0E-01	I	5.4E-03	C	5.4E-03	C	1.1E-05	C	N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	6.0E-01	I	6.0E-01	I	5.0E+00	I							N
2-Hexanone	591-78-6	5.0E-03	I	5.0E-03	I	3.0E-02	I							N
Butylbenzene, sec-	135-98-8	1.0E-01	P	1.0E-01	P									N
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	8.0E-02	H	8.0E-02	H	3.0E+00	I							N
Acetone	67-64-1	9.0E-01	I	9.0E-01	I	3.1E+01	A							N
Benzene	71-43-2	4.0E-03	I	4.0E-03	I	3.0E-02	I	5.5E-02	I	5.5E-02	I	7.8E-06	I	N
Bromomethane	74-83-9	1.4E-03	I	1.4E-03	I	5.0E-03	I		I					N
Carbon Disulfide	75-15-0	1.0E-01	I	1.0E-01	I	7.0E-01	I							N
Chloroform	67-66-3	1.0E-02	I	1.0E-02	I	9.8E-02	A					2.3E-05	I	N
Chloromethane (Methyl Chloride)	74-87-3					9.0E-02	I	1.3E-02	H	1.3E-02	0.0E+00	1.8E-06	H	N
cis-1,2-Dichloroethylene	156-59-2	2.0E-03	I	2.0E-03	I									N
Cyclohexane	110-82-7					6.0E+00	I							N
Cymene (p-Isopropyltoluene) (surrogate = Cumene)	99-87-6	1.0E-01	I	1.0E-01	I	4.0E-01	I							N
Ethylbenzene	100-41-4	1.0E-01	I	1.0E-01	I	1.0E+00	I					2.5E-06	C	N
Isopropylbenzene	98-82-8	1.0E-01	I	1.0E-01	I	4.0E-01	I							N
Isopropyltoluene (surrogate = Cymene)	25155-15-1	1.0E-01	I	1.0E-01	I	4.0E-01	I							N
Methyl cyclohexane	108-87-2					3.0E+00	H							N
Methyl tert-Butyl Ether (MTBE)	1634-04-4					3.0E+00	I	1.8E-03	C	1.8E-03	C	2.6E-07	C	N
Methylene Chloride	75-09-2	6.0E-03	I	6.0E-03	I	6.0E-01	I	2.0E-03	I	2.0E-03	I	1.0E-08	I	Y
Butylbenzene, n-	104-51-8	5.0E-02	P	5.0E-02	P									N
Propylbenzene	103-65-1													N
Styrene	100-42-5	2.0E-01	I	2.0E-01	I	1.0E+00	I							N
Butylbenzene, tert-	98-06-6	1.0E-01	P	1.0E-01	P									N
Tetrachloroethylene	127-18-4	6.0E-03	I	6.0E-03	I	4.0E-02	I	2.1E-03	I	2.1E-03	I	2.6E-07	I	N
Toluene	108-88-3	8.0E-02	I	8.0E-02	I	5.0E+00	I							N
trans-1,2-Dichloroethylene	156-60-5	2.0E-02	I	2.0E-02	I									N
Trichlorofluoromethane (CFC-11)	75-69-4	3.0E-01	I	3.0E-01		7.0E-01	H							N
Trifluorotrichloroethane (Freon 113)	76-13-1	3.0E+01	I	3.0E+01	I	3.0E+01	H							N
Xylenes	1330-20-7	2.0E-01	I	2.0E-01	I	1.0E-01	I							N
2-Methylnaphthalene	91-57-6	4.0E-03	I	4.0E-03	I									N
Acenaphthene	83-32-9	6.0E-02	I	6.0E-02	I									N
Acenaphthylene	208-96-8	6.0E-02	S	6.0E-02	S									N
Anthracene	120-12-7	3.0E-01	I	3.0E-01	I									N
Benz[a]anthracene	56-55-3							7.3E-01	E	7.3E-01	E	1.1E-04	C	Y
Benzo[a]pyrene	50-32-8							7.3E+00	I	7.3E+00	I	1.1E-03	C	Y
Benzo[b]fluoranthene	205-99-2							7.3E-01	E	7.3E-01	E	1.1E-04	C	Y
Benzo(g,h,i)perylene	191-24-2	3.0E-02	S	3.0E-02	S									N
Benzo[k]fluoranthene	207-08-9							7.3E-02	E	7.3E-02	E	1.1E-04	C	Y
Chrysene	218-01-9							7.3E-03	E	3.4E+00	E	1.1E-05	C	Y

TABLE 17
TOXICITY VALUES FOR CHEMICALS DETECTED IN SOIL
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Chemical	CASRN	Chronic Oral Reference Dose RfD-o (mg/kg-day)	REF	Chronic Dermal Reference Dose RfD-d (mg/kg-day)	REF	Chronic Inhalation Ref. Concentration RfC-i mg/m3	REF	Oral Cancer Slope Factor CSF-o 1/(mg/kg/day)	REF	Dermal Cancer Slope Factor CSF-d 1/(mg/kg/day)	REF	Inhalation Unit Risk UR 1/(µg/m3)	REF	Mutagen
Dibenz[a,h]anthracene	53-70-3							7.3E+00	E	7.3E+00	E	1.2E-03	C	Y
Fluoranthene	206-44-0	4.0E-02	I	4.0E-02	I									N
Fluorene	86-73-7	4.0E-02	I	4.0E-02	I									N
Indeno[1,2,3-cd]pyrene	193-39-5							7.3E-01	E	7.3E-01	E	1.1E-04	C	Y
Naphthalene	91-20-3	2.0E-02	I	2.0E-02	I	3.0E-03	I					3.4E-05	C	N
Phenanthrene	85-01-8	3.0E-02	S	3.0E-02	S									N
Pyrene	129-00-0	3.0E-02	I	3.0E-02	I									N
Polychlorinated Biphenyls	1336-36-3	2.0E-05	I	2.0E-05	I			2.0E+00	I	2.0E+00	I	5.7E-04	I	N
Antimony	7440-36-0	4.0E-04	I	6.0E-05	I									N
Arsenic	7440-38-2	3.0E-04	I	3.0E-04	I	1.5E-05	C	1.5E+00	I	1.5E+00	I	4.3E-03	I	N
Barium	7440-39-3	2.0E-01	I	1.4E-02	I	5.0E-04	H							N
Beryllium	7440-41-7	2.0E-03	I	1.4E-05	I	2.0E-05	I					2.4E-03	I	N
Cadmium	7440-43-9	1.0E-03	I	2.5E-05	I	2.0E-05	C					1.8E-03	I	N
Calcium	7440-70-2													N
Chromium, Total	7440-47-3	1.5E+00	I	2.0E-02	I									N
Cobalt	7440-48-4	3.0E-04	P	3.0E-04	P	6.0E-06	P					9.0E-03	P	N
Copper	7440-50-8	4.0E-02	H	4.0E-02	H									N
Iron	7439-89-6	7.0E-01	P	7.0E-01	P									N
Lead	7439-92-1													N
Magnesium	7439-95-4													N
Manganese	7439-96-5	1.4E-01	I	5.6E-03	I	5.0E-05	I							N
Mercury	7439-97-6	3.0E-04	I	2.1E-05	I	3.0E-04	I							N
Nickel	7440-02-0	2.0E-02	I	8.0E-04	I	9.0E-05	A					2.4E-04	I	N
Potassium	7440-09-7													N
Selenium	7782-49-2	5.0E-03	I	5.0E-03	I	2.0E-02	C							N
Silver	7440-22-4	5.0E-03	I	2.0E-04	I									N
Sodium	7440-23-5													N
Thallium	7440-28-0													N
Vanadium	7440-62-2	5.0E-03	I	1.3E-04	I	1.0E-04	A							N
Zinc	7440-66-6	3.0E-01	I	3.0E-01	I									N

I - Integrated Risk Information System (IRIS)
P - Provisional Peer Reviewed Reference Toxicity Value (PPRTV)
H - Health Effects Assessment Summary Tables (HEAST)

X - Provisional Peer Reviewed Reference Toxicity Value (PPRTV) Appendix.
A - Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Level (MRL)
C - California EPA
S - Surrogate

TABLE 18

TOXICITY VALUES FOR CHEMICALS DETECTED IN SOIL GAS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Chemical	CASRN	Volatile (Y/N)	Chronic Inhalation Ref. Concentration RfC-i mg/m^3	REF	Inhalation Unit Risk UR $1/(\mu g/m^3)$	REF	Mutagen
Trichloroethylene	79-01-6	Y	2.0E-03	I	4.1E-06	I	Y
Vinyl Chloride	75-01-4	Y	1.0E-01	I	4.4E-06	I	Y
1,1-Dichloroethene	75-35-4	Y	2.0E-01	I			N
1,2,4-Trimethylbenzene	95-63-6	Y	7.0E-03	P			N
1,3,5-Trimethylbenzene	108-67-8	Y					N
1,3-Butadiene	106-99-0	Y	2.0E-03	I	3.0E-05	I	N
2,2,4-Trimethylpentane (surrogate = hexane)	540-84-1	Y	7.0E-01	I			N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Y	5.0E+00	I			N
2-Hexanone	591-78-6	Y	3.0E-02	I			N
Xylenes	1330-20-7	Y	1.0E-01	I			N
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	Y	3.0E+00	I			N
Acetone	67-64-1	Y	3.1E+01	A			N
Benzene	71-43-2	Y	3.0E-02	I	7.8E-06	I	N
Bromodichloromethane	75-27-4	Y			3.7E-05	C	N
Carbon Disulfide	75-15-0	Y	7.0E-01	I			N
Chloroform	67-66-3	Y	9.8E-02	A	2.3E-05	I	N
Chloromethane (Methyl Chloride)	74-87-3	Y	9.0E-02	I	1.8E-06	H	N
cis-1,2-Dichloroethylene	156-59-2	Y					N
Cyclohexane	110-82-7	Y	6.0E+00	I			N
Dichlorodifluoromethane (CFC-12)	75-71-8	Y	1.0E-01	P			N
Ethanol (surrogate = Isobutanol)	64-17-5	Y					N
Ethyl acetate	141-78-6	Y	7.0E-02	P			N
Ethylbenzene	100-41-4	Y	1.0E+00	I	2.5E-06	C	N
Hexane, n-	110-54-3	Y	7.0E-01	I			N
Isopropyl Alcohol	67-63-0	Y	2.0E-01	P			N
Xylenes	1330-20-7	Y	1.0E-01	I			N
Methyl tert-Butyl Ether (MTBE)	1634-04-4	Y	3.0E+00	I	2.6E-07	C	N
Methylene Chloride	75-09-2	Y	6.0E-01	I	1.0E-08	I	Y
Naphthalene	91-20-3	Y	3.0E-03	I	3.4E-05	C	N
N-Heptane (surrogate = hexane)	142-82-5	Y	7.0E-01	I			N

TABLE 18

TOXICITY VALUES FOR CHEMICALS DETECTED IN SOIL GAS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Chemical	CASRN	Volatile (Y/N)	Chronic Inhalation Ref. Concentration RfC-i mg/m^3	REF	Inhalation Unit Risk UR $1/(\mu g/m^3)$	REF	Mutagen
Xylenes	1330-20-7	Y	1.0E-01	I			N
Propylene (Propene)	115-07-1	Y	3.0E+00	C			N
Styrene	100-42-5	Y	1.0E+00	I			N
Tetrachloroethylene	127-18-4	Y	4.0E-02	I	2.6E-07	I	N
Toluene	108-88-3	Y	5.0E+00	I			N
trans-1,2-Dichloroethylene	156-60-5	Y					N
Trichlorofluoromethane (CFC-11)	75-69-4	Y	7.0E-01	H			N
Trifluorotrichloroethane (Freon 113)	76-13-1	Y	3.0E+01	H			N

I - Integrated Risk Information System (IRIS)
P - Provisional Peer Reviewed Reference Toxicity Value (PPRTV)
H - Health Effects Assessment Summary Tables (HEAST)
X - Provisional Peer Reviewed Reference Toxicity Value (PPRTV) Appendix.
A - Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Level (MRL)
J - New Jersey DEP
C - CAL/EPA

TABLE 19

TOXICITY VALUES FOR CHEMICALS DETECTED IN GROUNDWATER
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Chemical	CASRN	Volatile (Y/N)	Chronic Inhalation Ref. Concentration RfC-i mg/m^3	REF	Inhalation Unit Risk UR $1/(\mu g/m^3)$	REF
Acetone	67-64-1	Y	3.1E+01	A	NTV	
Benzene	71-43-2	Y	3.0E-02	I	7.8E-06	I
Carbon Disulfide	75-15-0	Y	7.0E-01	I	NTV	
Chloroform	67-66-3	Y	9.8E-02	A	2.3E-05	I
Chloromethane (Methyl Chloride)	74-87-3	Y	9.0E-02	IRIS	1.8E-06	H
Cyclohexane	110-82-7	Y	6.0E+00	IRIS	NTV	
1,2-Dichloroethane	107-06-2	Y	7.0E-03	P	2.6E-05	I
cis-1,2-Dichloroethylene	156-59-2	Y			NTV	
trans-1,2-Dichloroethylene	156-60-5	Y			NTV	
1,4-Dioxane	123-91-1	Y	3.0E-02	I	5.0E-06	I
Ethylbenzene	100-41-4	Y	1.0E+00	I	2.5E-06	C
Isopropylbenzene	98-82-8	Y	4.0E-01	I	NTV	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	Y	3.0E+00	I	2.6E-07	C
Methyl cyclohexane	108-87-2	Y	3.0E+00	H	NTV	
Methylene Chloride	75-09-2	Y	6.0E-01	I	1.0E-08	I
1,1,2,2-Tetrachloroethane	79-34-5	Y			NTV	
Tetrachloroethylene	127-18-4	Y	4.0E-02	I	2.6E-07	I
Toluene	108-88-3	Y	5.0E+00	I	NTV	
Trichloroethylene	79-01-6	Y	2.0E-03	I	4.1E-06	I
Vinyl Chloride	75-01-4	Y	1.0E-01	I	4.4E-06	I
Xylenes	1330-20-7	Y	1.0E-01	I	NTV	
Naphthalene	91-20-3	Y	3.0E-03	I	3.4E-05	C

I - Integrated Risk Information System (IRIS)
P - Provisional Peer Reviewed Reference Toxicity Value (PPRTV)
H - Health Effects Assessment Summary Tables (HEAST)
X - Provisional Peer Reviewed Reference Toxicity Value (PPRTV) Appendix.
A - Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Level (MRL)
J - New Jersey DEP
C - CAL/EPA

TABLE 20
SUMMARY OF RISK ASSESSMENT RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

RECEPTOR	PATHWAY	ILCR	HI
On-Site Construction Worker During Construction	Soil Ingestion	2E-06	6E-01
	Dermal Contact with Soil	8E-07	8E-02
	Inhalation of Particulates (in Ambient Air)	5E-07	2E+00
	Inhalation of Volatiles from Soil (in Ambient Air)	8E-09	3E-02
	Inhalation of Volatiles from Groundwater (in Ambient Air)	6E-07	6E-01
	TOTAL	**4E-06**	**4**
Off-Site Resident During and After Redevelopment	Inhalation of Particulates (in Ambient Air - During Redevelopment)	2E-06	1E+01
	Inhalation of Volatiles (in Ambient Air - During Redevelopment)	6E-08	1E-01
	Inhalation of Particulates (in Ambient Air - After Redevelopment)	9E-11	8E-07
	Inhalation of Volatiles (in Ambient Air - After Redevelopment)	1E-06	6E-02
	TOTAL	**4E-06**	**11**
On-Site Landscaper After Site Redevelopment	Soil Ingestion	4E-06	5E-02
	Dermal Contact with soil	2E-06	1E-02
	Inhalation of Particulates (in Ambient Air)	2E-09	4E-04
	Inhalation of Volatiles (in Ambient Air)	6E-08	9E-03
	TOTAL	**6E-06**	**0.07**
On-Site Commercial Worker After Site Redevelopment	Inhalation of Volatiles (in Indoor Air - Using VISL Calculator, using all soil gas results)	2E-05	5E+00
	TOTAL	**2E-05**	**5**
	Inhalation of Volatiles (in Indoor Air - Using VISL Calculator, without soil gas results from location SG-13)	9E-06	3E-01
	TOTAL	**9E-06**	**0.3**
	Inhalation of Volatiles (in Indoor Air - Using J&E Model)	3E-06	7E-01
	TOTAL	**3E-06**	**0.7**

TABLE 20
SUMMARY OF RISK ASSESSMENT RESULTS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

RECEPTOR	PATHWAY	ILCR	HI
On-Site Spectator After Site Redevelopment	Soil Ingestion	9E-07	9E-03
	Dermal Contact with Soil	5E-07	2E-03
	Inhalation of Particulates (in Ambient Air)	1E-12	1E-08
	Inhalation of Volatiles from Soil (in Ambient Air)	2E-08	7E-04
	Inhalation of Volatiles (in Indoor Air - Using VISL Calculator, using all soil gas results)	1E-06	2E-01
	TOTAL	**3E-06**	**0.3**
	Soil Ingestion	9E-07	9E-03
	Dermal Contact with Soil	5E-07	2E-03
	Inhalation of Particulates (in Ambient Air)	1E-12	1E-08
	Inhalation of Volatiles from Soil (in Ambient Air)	2E-08	7E-04
	Inhalation of Volatiles (in Indoor Air - Using J&E Model)	4E-06	3E-02
	TOTAL	**5E-06**	**0.05**

Notes:
ILCR = Incremental Lifetime Cancer Risk
HI = Hazard Index
VISL Calculator = Vapor Intrusion Screening Level Calculator
J&E Model = Johnson & Ettinger Model

TABLE 21

HEALTH-BASED REMEDIATION GOALS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Chemical	**Health-based Remediation Goal**
Soil	**(mg/kg)**
Arsenic	15
Cadmium	2.4
Cobalt	20.4
Lead	800
Manganese	600
Soil Gas	**ug/m^3**
Trichloroethene	1,200

Notes:

mg/kg = milligrams per kilogram

ug/m^3 = micorgrams per cubic meter

TABLE 22

WATER PROTECTION LEVELS
BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT
WASHINGTON, D.C.

Chemical	Water Protection Levels (mg/kg)
VOCs	
Benzene	140
Bromomethane (Methyl Bromide)	650
Chloroform (Trichloromethane)	340
1,2-Dicholorobenzene	1,400
1,4-Dichlorobenzene	1,300
trans-1,2-Dichloroethylene	9,400
Ethylbenzene	330
Methylene chloride	310
1,1,2,2-Tetrachloroethane	7.3
Tetrachloroethylene	6.8
Toluene	2,700
Trichloroethylene	40
1,2,4-Trichlorobenzene	1,700
Vinyl Chloride	2.1
SVOCs	
Acenapthene	4,600
Anthracene	1,000,000
Benzo(a)anthracene	58
Benzo(a)pyrene	190
Benzo(b)fluoranthene	200
Benzo(k)fluoranthene	190
Chrysene	59
Dibenz(a,h)anthracene	630
Fluoranthene	140,000
Fluorene	1,000,000
Indeno(1,2,3-cd)pyrene	640
Naphthalene	17,000
Pyrene	1,000,000
PCBs	1
Metals	
Antimony	52,000
Arsenic	15
Cadmium	110
Iron	48,000
Manganese	600
Mercury	14
Nickel	540,000
Selenium	46
Silver	990,000
Thallium	61
Zinc	1,000,000

Notes:
mg/kg = milligrams per kilogram

TABLE 23

RISK-BASED GOALS

BUZZARD POINT D.C. UNITED SOCCER STADIUM DEVELOPMENT

WASHINGTON, D.C.

SOILGAS			
Chemical	**Health-based Remediation Goals (ug/m^3)**	**Water Protection Levels**	**Risk-based Goals (ug/m^3)**
Trichloroethene	1,200	ne	1,200

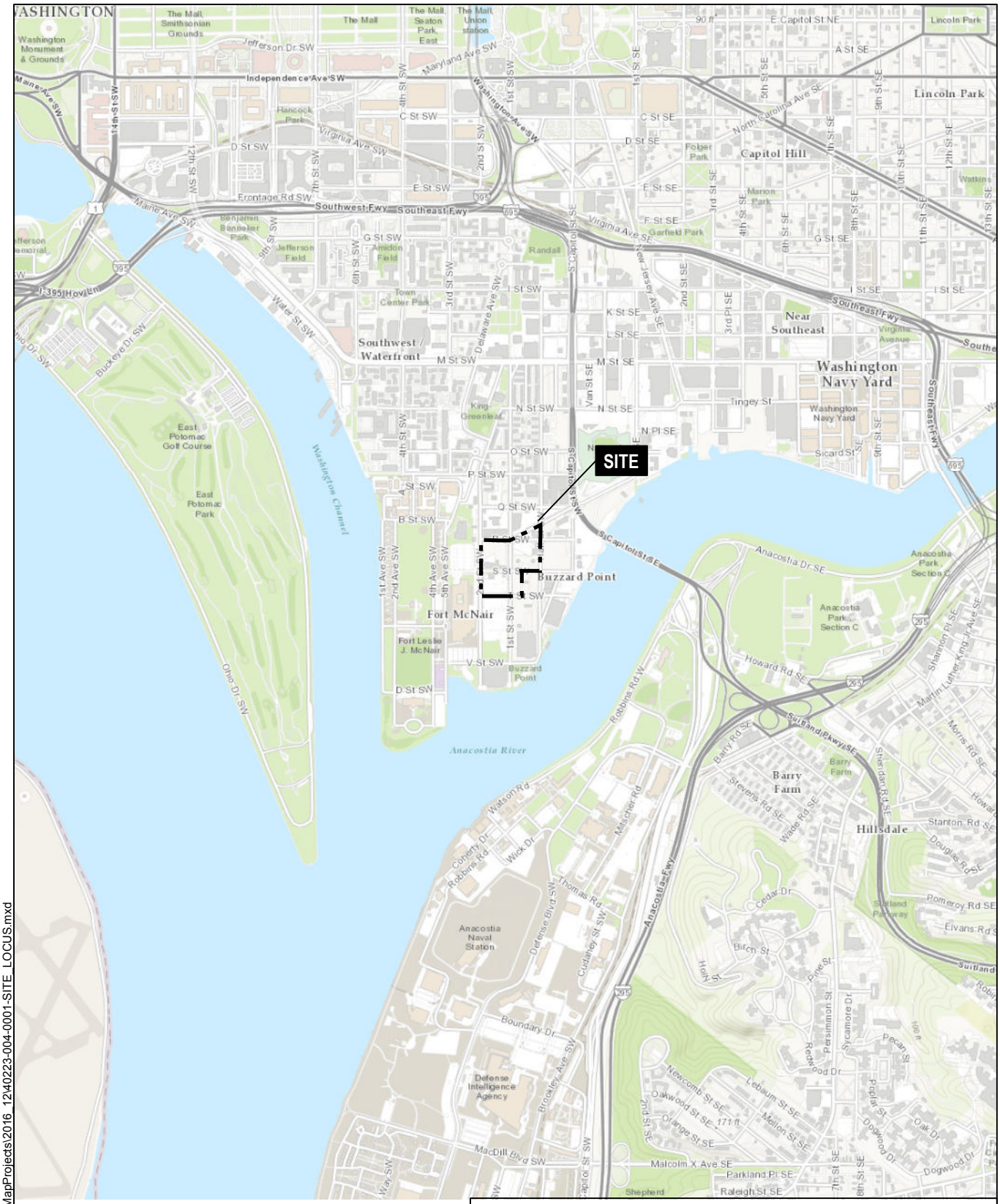
SOIL			
Chemical	**Health-based Remediation Goals (mg/kg)**	**Water Protection Levels (mg/kg)**	**Risk-based Goals (mg/kg)**
VOCs			
Benzene	ne	140	**140**
Bromomethane (Methyl Bromide)	ne	650	**650**
Chloroform (Trichloromethane)	ne	340	**340**
1,2-Dicholorobenzene	ne	1,400	**1,400**
1,4-Dichlorobenzene	ne	1,300	**1,300**
trans-1,2-Dichloroethylene	ne	9,400	**9,400**
Ethylbenzene	ne	330	**330**
Methylene chloride	ne	310	**310**
1,1,2,2-Tetrachloroethane	ne	7.3	**7.3**
Tetrachloroethylene	ne	6.8	**6.8**
Toluene	ne	2,700	**2,700**
Trichloroethylene	ne	40	**40**
1,2,4-Trichlorobenzene	ne	1,700	**1,700**
Vinyl Chloride	ne	2.1	**2.1**
SVOCs			
Acenapthene	ne	4,600	**4,600**
Anthracene	ne	1,000,000	**1,000,000**
Benzo(a)anthracene	ne	58	**58**
Benzo(a)pyrene	ne	190	**190**
Benzo(b)fluoranthene	ne	200	**200**
Benzo(k)fluoranthene	ne	190	**190**
Chrysene	ne	59	**59**
Dibenz(a,h)anthracene	ne	630	**630**
Fluoranthene	ne	140,000	**140,000**
Fluorene	ne	1,000,000	**1,000,000**
Indeno(1,2,3-cd)pyrene	ne	640	**640**
Naphthalene	ne	17,000	**17,000**
Pyrene	ne	1,000,000	**1,000,000**
PCBs	ne	1	**1**
Metals			
Antimony	ne	52,000	**52,000**
Arsenic	15	15	**15**
Cadmium	2.4	110	**2.4**
Cobalt	20.4	ne	**20.4**
Iron	ne	48,000	**48,000**
Lead	800	ne	**800**
Manganese	600	600	**600**
Mercury	ne	14	**14**
Nickel	ne	540,000	**540,000**
Selenium	ne	46	**46**
Silver	ne	990,000	**990,000**
Thallium	ne	61	**61**
Zinc	ne	1,000,000	**1,000,000**

Notes:

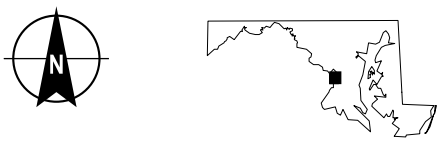
mg/kg = milligrams per kilogram

ug/m3 - micrograms per cubic meter

ne = not established



MAP SOURCE: ESRI SITE COORDINATES : 38°52'06.68"N , 77°00'44.12"W



HALEY ALDRICH

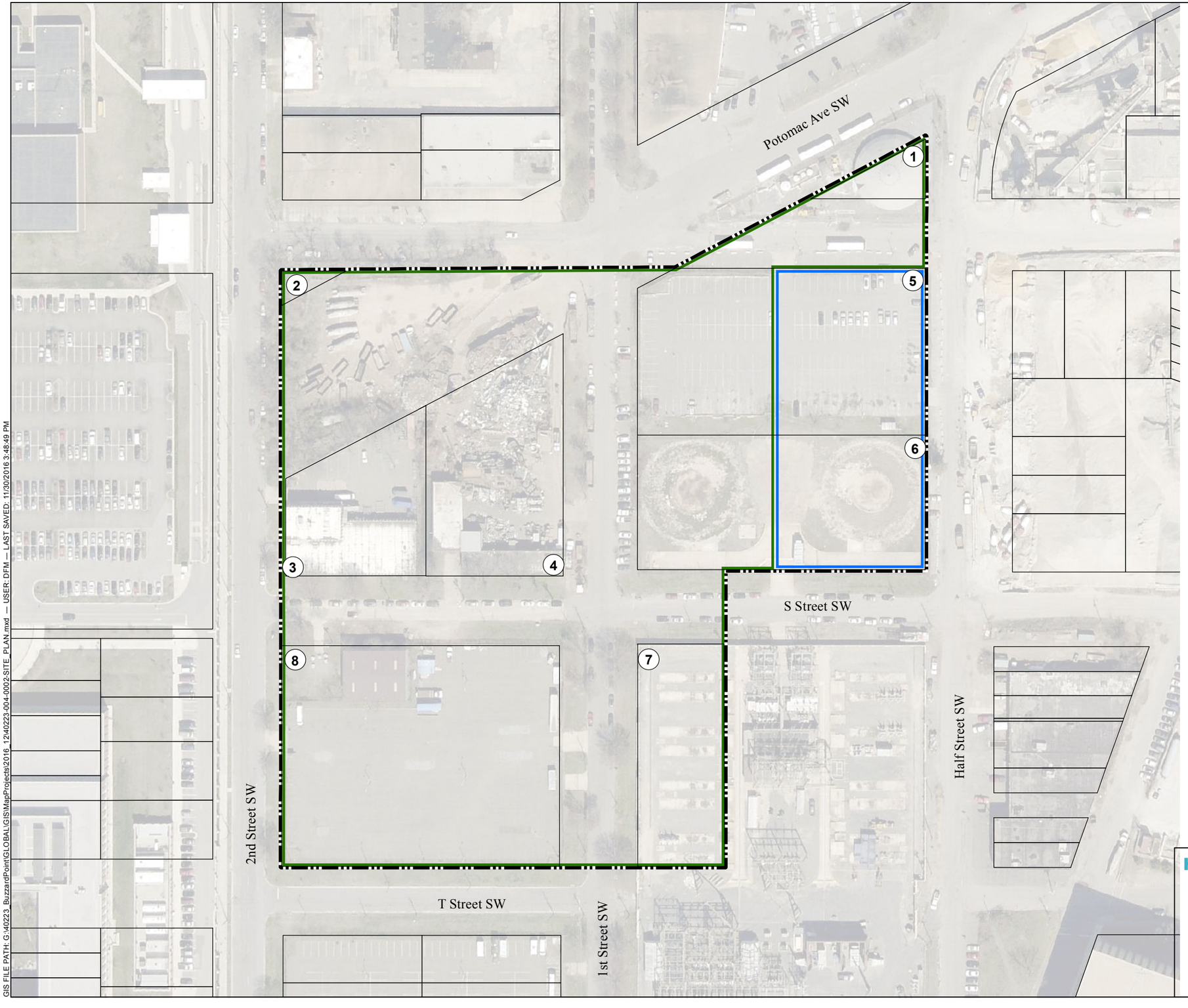
BUZZARD POINT DC UNITED SOCCER STADIUM
STADIUM DEVELOPMENT AREA
WASHINGTON D.C.

SITE LOCUS

APPROXIMATE SCALE: 1 IN = 2,000 FT
DECEMBER 2016

FIGURE 1

G:\40223_BuzzardPoint\GLOBAL\GIS\MapProjects\2016_12\40223-004-0001-SITE_LOCUS.mxd



LEGEND

- CITY PARCEL LINE
- ANCILLARY DEVELOPMENT BOUNDARY
- STADIUM DEVELOPMENT BOUNDARY
- SITE BOUNDARY

NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. BASE IMAGE BASED ON PICOMETRY DATED; APRIL 2015.

PROPERTY OWNERS

1. OWNED BY DISTRICT OF COLUMBIA
SQUARE 0661, LOT 0800

2. OWNED BY DISTRICT OF COLUMBIA
SQUARE 0603S, LOT 0800

3. FORMERLY OWNED BY ROLLINGWOOD REAL ESTATE, LLC. (EIN)
1714 2ND STREET, SW
SQUARE 0605, LOT 0007

4. FORMERLY OWNED BY SUPER SALVAGE, INC.
1711 1ST STREET, SW
SQUARE 0605, LOT 0802

5. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
SQUARE 0661, LOT 0805

6. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
SQUARE 0661, LOT 0804

7. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
P/O SQUARE 0665, LOT 0024

8. FORMERLY OWNED BY SW LAND HOLDER LLC (AKRIDGE)
SQUARE 0607, LOT 0013

N

0 120 240
SCALE IN FEET

HALEY ALDRICH

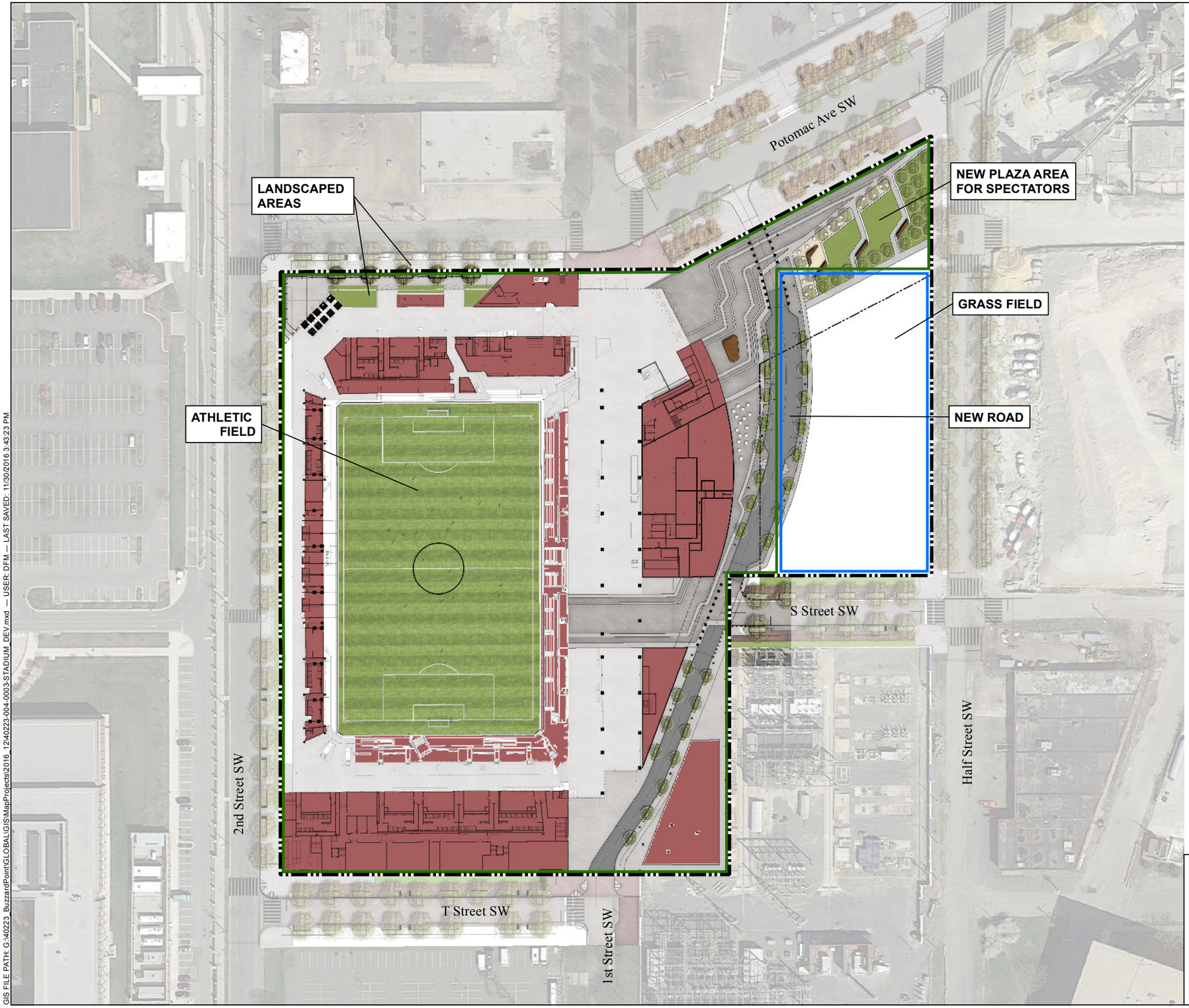
BUZZARD POINT DC UNITED SOCCER STADIUM
STADIUM DEVELOPMENT AREA
WASHINGTON D.C.

SITE PLAN

DECEMBER 2016

FIGURE 2

GIS FILE PATH: G:\40223_BuzzardPoint\GLOBAL\GIS\MapProjects\2016_12\40223-004-0002-SITE_PLAN.mxd — USER: DFM — LAST SAVED: 11/30/2016 3:48:49 PM



LEGEND

- ANCILLARY DEVELOPMENT BOUNDARY
- STADIUM DEVELOPMENT BOUNDARY
- SITE BOUNDARY
- PROPOSED BUILDING

NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. BASE IMAGE BASED ON PICOMETRY DATED; APRIL 2015.

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SCALE IN FEET

HALEY ALDRICH

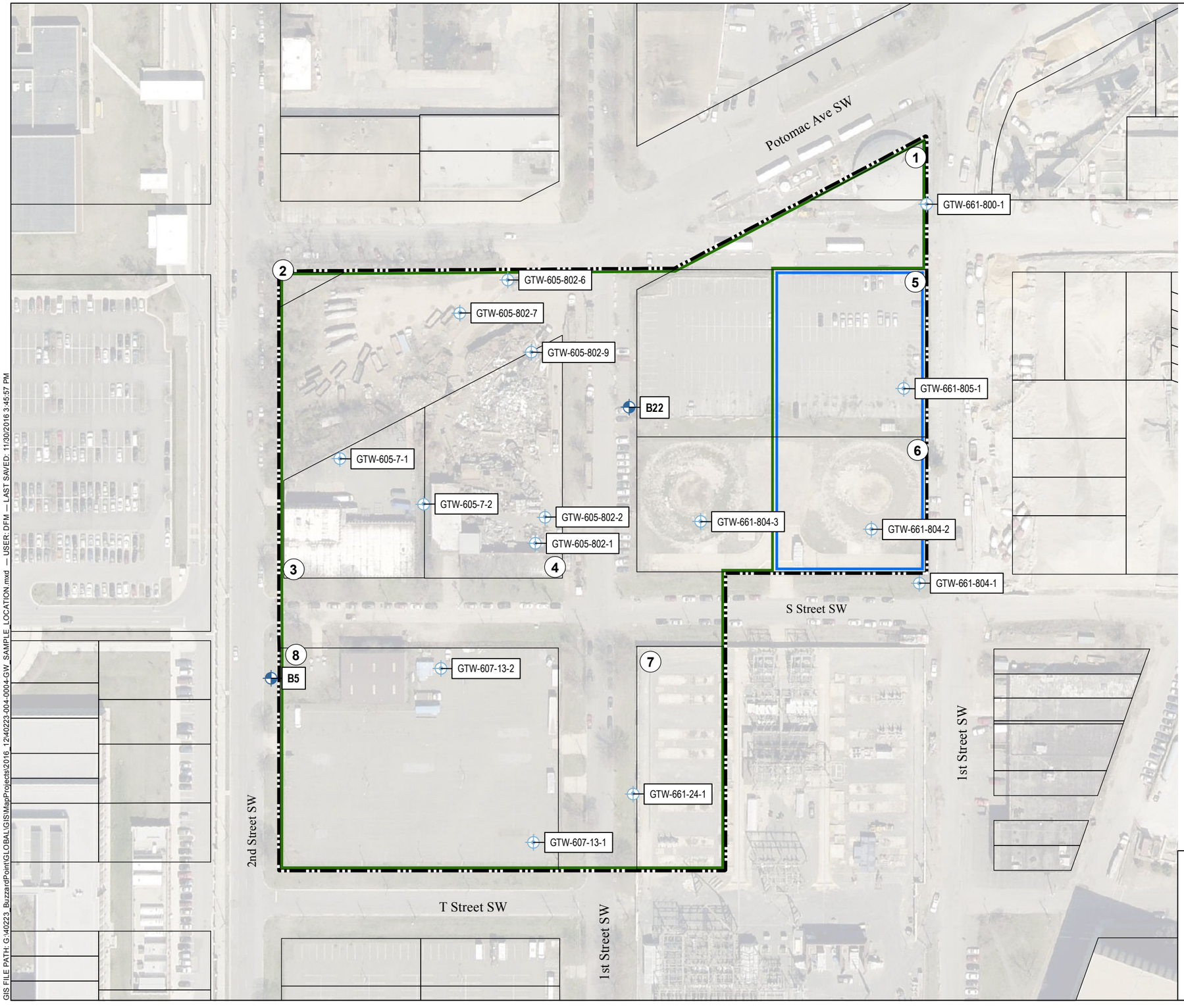
BUZZARD POINT DC UNITED SOCCER STADIUM
STADIUM DEVELOPMENT AREA
WASHINGTON D.C.

STADIUM DEVELOPMENT AND ANCILLARY DEVELOPMENT PARCELS

DECEMBER 2016

FIGURE 3

GIS FILE PATH: G:\40223_BuzzardPoint\GLOBAL\GIS\MapProjects\2016_12\40223-004-0003-STADIUM_DEV.mxd — USER: DFM — LAST SAVED: 11/30/2016 3:43:23 PM



LEGEND

- GROUNDWATER MONITORING WELL
- TEMPORARY GROUNDWATER MONITORING WELL (ABANDONED)
- CITY PARCEL LINE
- ANCILLARY DEVELOPMENT BOUNDARY
- STADIUM DEVELOPMENT BOUNDARY
- SITE BOUNDARY

NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. BASE IMAGE BASED ON PICOMETRY DATED; APRIL 2015.

PROPERTY OWNERS

1. OWNED BY DISTRICT OF COLUMBIA
SQUARE 0661, LOT 0800

2. OWNED BY DISTRICT OF COLUMBIA
SQUARE 0603S, LOT 0800

3. FORMERLY OWNED BY ROLLINGWOOD REAL ESTATE, LLC. (EIN)
1714 2ND STREET, SW
SQUARE 0605, LOT 0007

4. FORMERLY OWNED BY SUPER SALVAGE, INC.
1711 1ST STREET, SW
SQUARE 0605, LOT 0802

5. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
SQUARE 0661, LOT 0805

6. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
SQUARE 0661, LOT 0804

7. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
P/O SQUARE 0665, LOT 0024

8. FORMERLY OWNED BY SW LAND HOLDER LLC (AKRIDGE)
SQUARE 0607, LOT 0013

N

0 120 240
SCALE IN FEET

HALEY ALDRICH

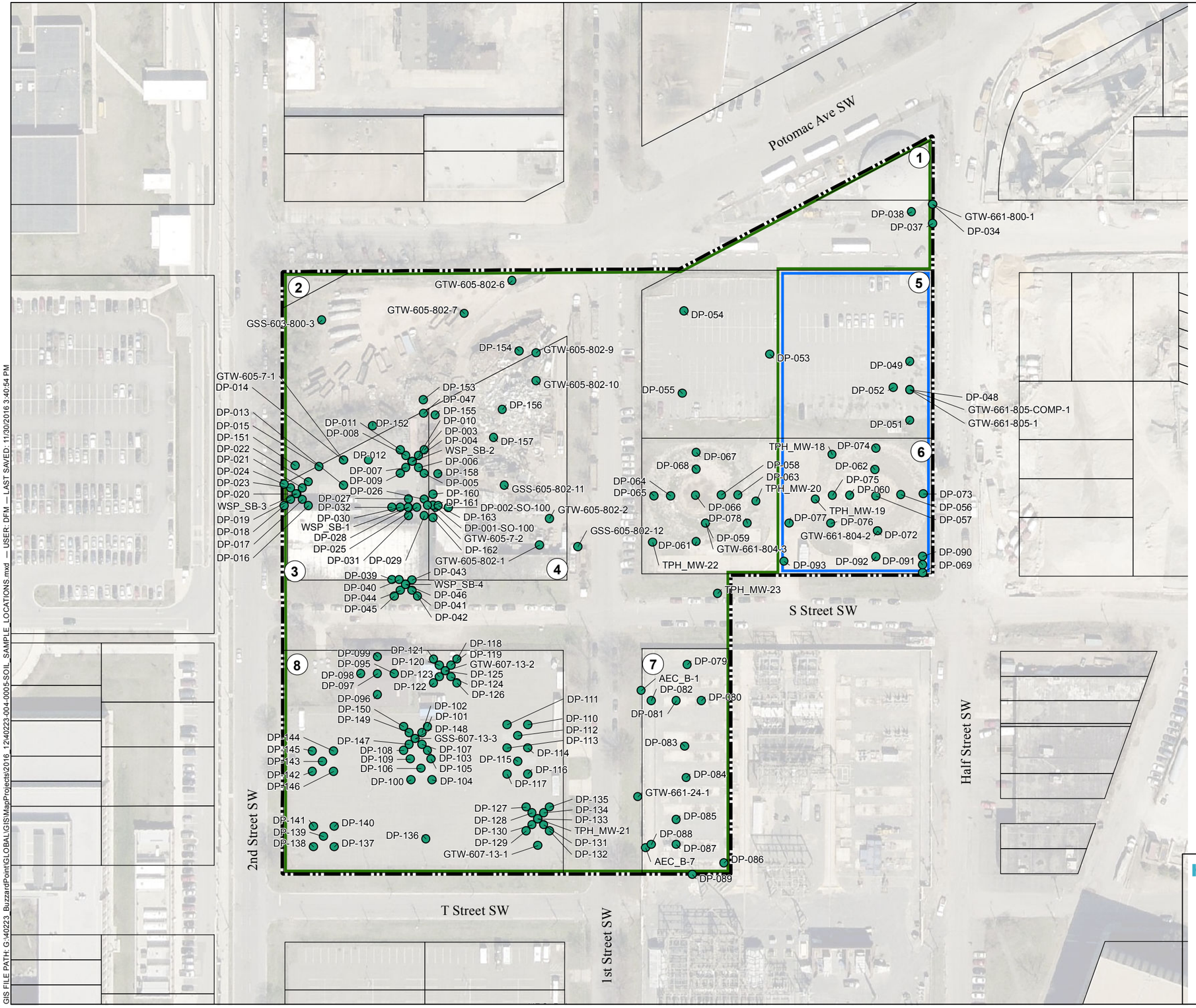
BUZZARD POINT DC UNITED SOCCER STADIUM
STADIUM DEVELOPMENT AREA
WASHINGTON D.C.

GROUNDWATER SAMPLE LOCATION MAP

DECEMBER 2016

FIGURE 4

GIS FILE PATH: G:\40223_BuzzardPoint\GLOBAL\GIS\MapProjects\2016_12\40223-004-0004-GW_SAMPLE_LOCATION.mxd — USER: DFM — LAST SAVED: 11/30/2016 3:45:57 PM



LEGEND

- SOIL BORING
- CITY PARCEL LINE
- ANCILLARY DEVELOPMENT BOUNDARY
- STADIUM DEVELOPMENT BOUNDARY
- SITE BOUNDARY

NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. BASE IMAGE BASED ON PICOMETRY DATED; APRIL 2015.

PROPERTY OWNERS

1. OWNED BY DISTRICT OF COLUMBIA
SQUARE 0661, LOT 0800

2. OWNED BY DISTRICT OF COLUMBIA
SQUARE 0603S, LOT 0800

3. FORMERLY OWNED BY ROLLINGWOOD REAL ESTATE, LLC. (EIN)
1714 2ND STREET, SW
SQUARE 0605, LOT 0007

4. FORMERLY OWNED BY SUPER SALVAGE, INC.
1711 1ST STREET, SW
SQUARE 0605, LOT 0802

5. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
SQUARE 0661, LOT 0805

6. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
SQUARE 0661, LOT 0804

7. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
P/O SQUARE 0665, LOT 0024

8. FORMERLY OWNED BY SW LAND HOLDER LLC (AKRIDGE)
SQUARE 0607, LOT 0013

N

0 120 240
SCALE IN FEET

HALEY ALDRICH

BUZZARD POINT DC UNITED SOCCER STADIUM
STADIUM DEVELOPMENT AREA
WASHINGTON D.C.

SOIL SAMPLING LOCATION MAP

DECEMBER 2016

FIGURE 5

GIS FILE PATH: G:\40223_BuzzardPoint\GLOBAL\GIS\MapProjects\2016_1240223-004-0005-SOIL_SAMPLE_LOCATIONS.mxd — USER: DFM — LAST SAVED: 11/30/2016 3:40:54 PM

LEGEND

- SOIL GAS SAMPLE LOCATION
- ANCILLARY DEVELOPMENT BOUNDARY
- STADIUM DEVELOPMENT BOUNDARY
- SITE BOUNDARY

NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. BASE IMAGE BASED ON PICOMETRY DATED APRIL 2015.

PROPERTY OWNERS

1. OWNED BY DISTRICT OF COLUMBIA
SQUARE 0661, LOT 0800

2. OWNED BY DISTRICT OF COLUMBIA
SQUARE 0603S, LOT 0800

3. FORMERLY OWNED BY ROLLINGWOOD REAL ESTATE, LLC. (EIN)
1714 2ND STREET, SW
SQUARE 0605, LOT 0007

4. FORMERLY OWNED BY SUPER SALVAGE, INC.
1711 1ST STREET, SW
SQUARE 0605, LOT 0802

5. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
SQUARE 0661, LOT 0805

6. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
SQUARE 0661, LOT 0804

7. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
P/O SQUARE 0665, LOT 0024

8. FORMERLY OWNED BY SW LAND HOLDER LLC (AKRIDGE)
SQUARE 0607, LOT 0013

N

0 120 240
SCALE IN FEET

HALEY ALDRICH

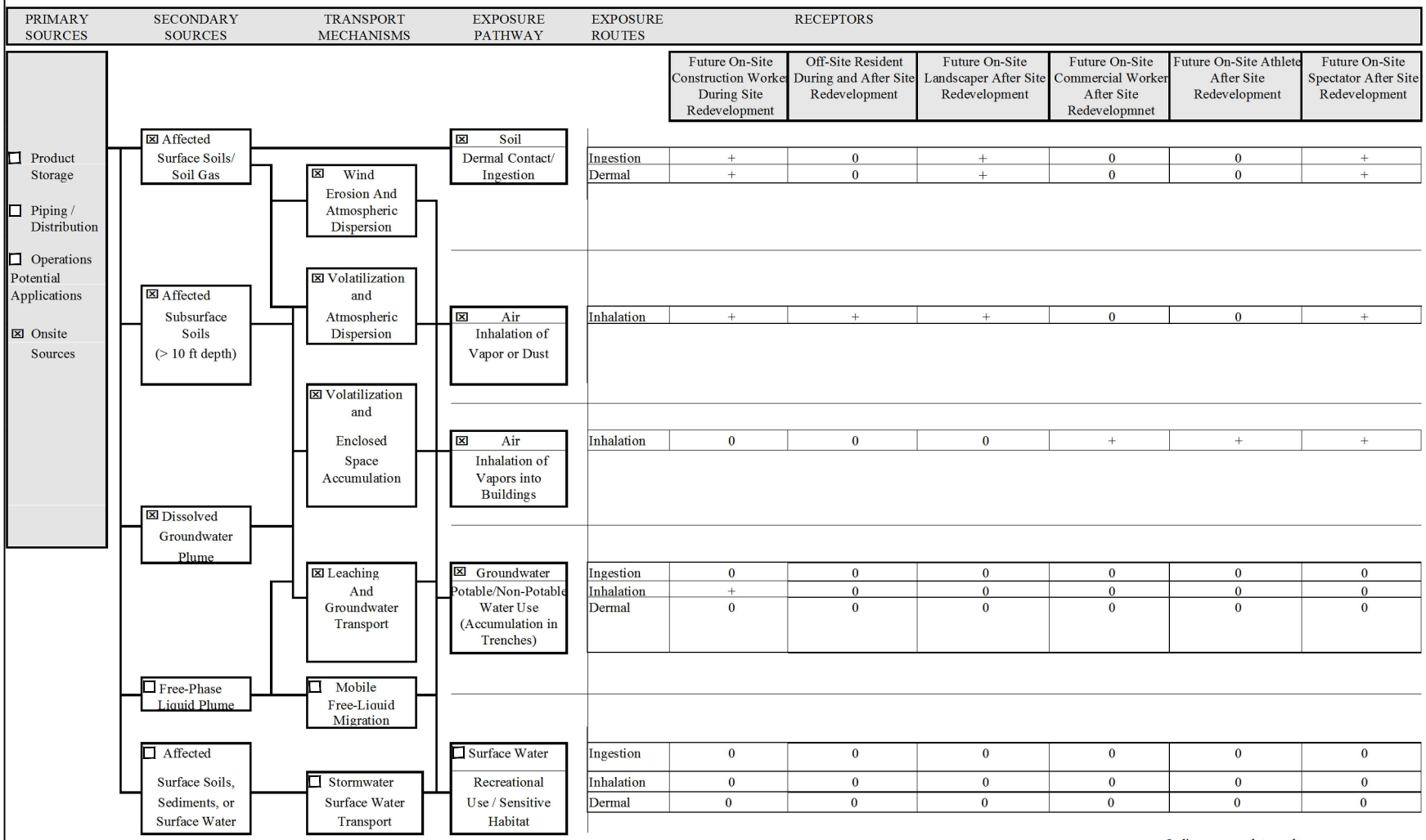
BUZZARD POINT DC UNITED SOCCER STADIUM
STADIUM DEVELOPMENT AREA
WASHINGTON D.C.

SOIL GAS SAMPLE LOCATION MAP

DECEMBER 2016

FIGURE 6

GIS FILE PATH: G:\40223_BuzzardPoint\GLOBAL\GIS\MapProjects\2016_12\40223-004-0006-SOIL_GAS_SAMPLES.mxd — USER: dfm — LAST SAVED: 12/5/2016 7:51:46 PM



\+ Indicates complete pathway
0 Indicates incomplete pathway

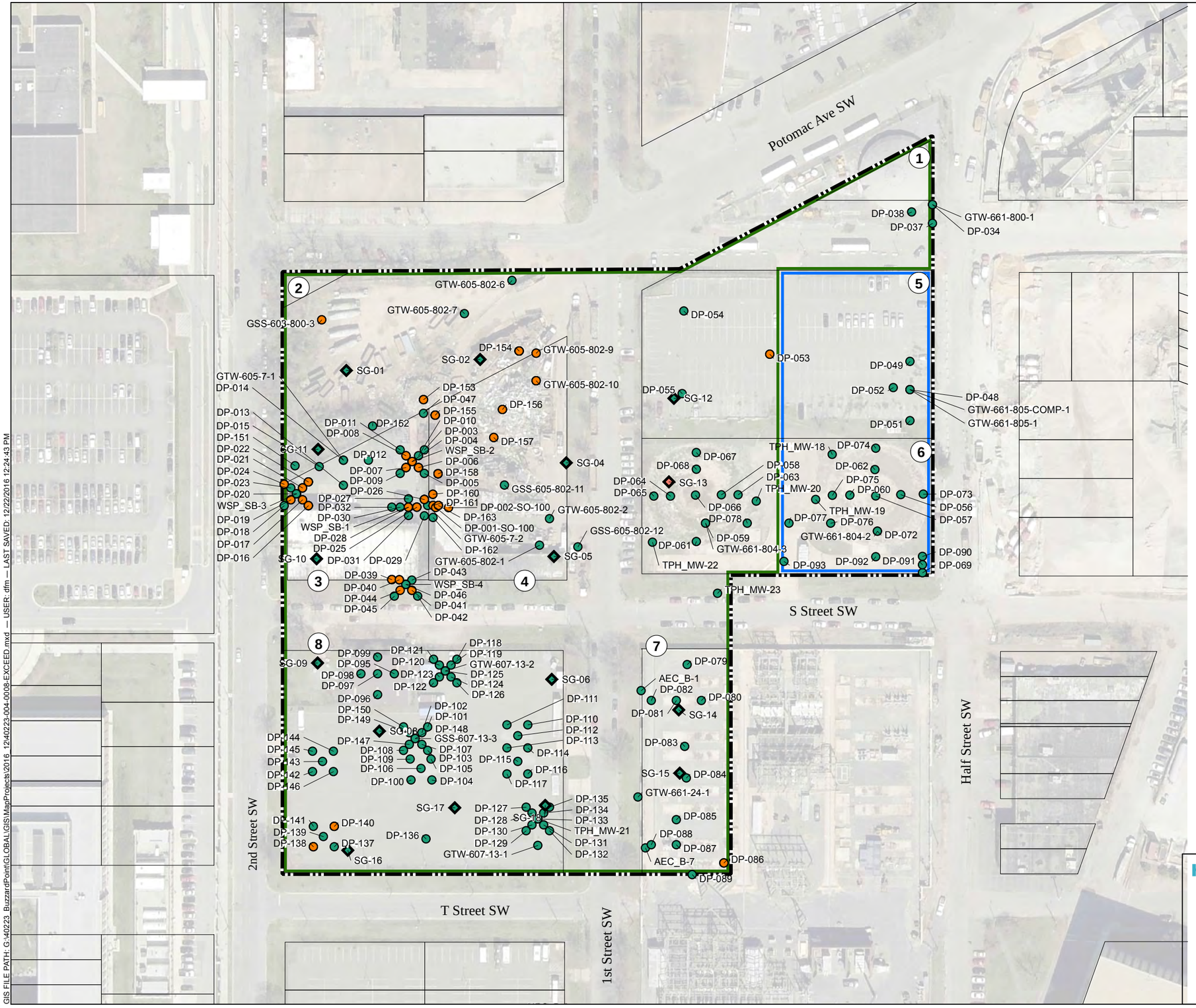
HALEY ALDRICH

BUZZARD POINT DC UNITED SOCCER STADIUM
STADIUM DEVELOPMENT AREA
WASHINGTON, D.C.

CONCEPTUAL SITE MODEL

DECEMBER 2016

FIGURE 7



LEGEND

- SOIL GAS LOCATION EXCEEDING RISK-BASED GOALS
- SOIL GAS LOCATION
- SOIL BORING LOCATION EXCEEDING RISK-BASED GOALS
- SOIL BORING LOCATION
- CITY PARCEL LINE
- ANCILLARY DEVELOPMENT BOUNDARY
- STADIUM DEVELOPMENT BOUNDARY
- SITE BOUNDARY

NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. BASE IMAGE BASED ON PICOMETRY DATED; APRIL 2015.

PROPERTY OWNERS

1. OWNED BY DISTRICT OF COLUMBIA
SQUARE 0661, LOT 0800

2. OWNED BY DISTRICT OF COLUMBIA
SQUARE 0603S, LOT 0800

3. FORMERLY OWNED BY ROLLINGWOOD REAL ESTATE, LLC. (EIN)
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SQUARE 0605, LOT 0007

4. FORMERLY OWNED BY SUPER SALVAGE, INC.
1711 1ST STREET, SW
SQUARE 0605, LOT 0802

5. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
SQUARE 0661, LOT 0805

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SQUARE 0661, LOT 0804

7. FORMERLY OWNED BY POTOMAC ELECTRIC POWER COMPANY
P/O SQUARE 0665, LOT 0024

8. FORMERLY OWNED BY SW LAND HOLDER LLC (AKRIDGE)
SQUARE 0607, LOT 0013

N

0 120 240
SCALE IN FEET

HALEY ALDRICH

BUZZARD POINT DC UNITED SOCCER STADIUM
STADIUM DEVELOPMENT AREA
WASHINGTON D.C.

SOIL AND SOIL GAS SAMPLES EXCEEDING RISK-BASED GOALS

DECEMBER 2016

FIGURE 8

GIS FILE PATH: G:\40223_BuzzardPoint\GLOBAL\GIS\MapProjects\2016_12\40223-004-0008-EXCEED.mxd — USER: dfm — LAST SAVED: 12/22/2016 12:24:43 PM

APPENDIX A

Laboratory Analytical Results

ANALYTICAL REPORT

Lab Number:	L1622592
Client:	Haley & Aldrich, Inc. 5333 Mission Center Rd San Diego, CA 92108
ATTN:	Matthew Raithel
Phone:	(619) 285-7110
Project Name:	DC UNITED
Project Number:	40223-004
Report Date:	08/11/16

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1622592-01	DP-158-SO-010-01	SOIL	WASHINGTON, D.C.	07/20/16 11:40	07/20/16
L1622592-02	DP-158-SO-050-01	SOIL	WASHINGTON, D.C.	07/20/16 11:50	07/20/16
L1622592-03	DP-158-SO-100-01	SOIL	WASHINGTON, D.C.	07/20/16 12:15	07/20/16
L1622592-04	DP-151-SO-010-01	SOIL	WASHINGTON, D.C.	07/20/16 12:30	07/20/16
L1622592-05	DP-151-SO-050-01	SOIL	WASHINGTON, D.C.	07/20/16 12:35	07/20/16
L1622592-06	DP-151-SO-100-01	SOIL	WASHINGTON, D.C.	07/20/16 12:40	07/20/16
L1622592-07	DP-152-SO-010-01	SOIL	WASHINGTON, D.C.	07/20/16 13:00	07/20/16
L1622592-08	DP-152-SO-050-01	SOIL	WASHINGTON, D.C.	07/20/16 13:05	07/20/16
L1622592-09	DP-152-SO-100-01	SOIL	WASHINGTON, D.C.	07/20/16 13:10	07/20/16
L1622592-10	DP-153-SO-010-01	SOIL	WASHINGTON, D.C.	07/20/16 13:30	07/20/16
L1622592-11	DP-153-SO-050-01	SOIL	WASHINGTON, D.C.	07/20/16 13:35	07/20/16
L1622592-12	DP-153-SO-100-01	SOIL	WASHINGTON, D.C.	07/20/16 13:40	07/20/16

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: DC UNITED **Lab Number:** L1622592
Project Number: 40223-004 **Report Date:** 08/11/16

Case Narrative (continued)

Report Submission
This report replaces the report issued July 27, 2016. L1622592-01 through -12 were re-analyzed for Selenium. The results of the re-analyses are reported.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics
L1622592-02: The sample has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.
L1622592-03: The sample has elevated detection limits due to the dilution required by the sample matrix.
L1622592-11: The sample has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

Petroleum Hydrocarbon Quantitation
L1622592-02, -03, and WG915981-3: The surrogate recovery is below the acceptance criteria for o-terphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.
The WG915981-3 Laboratory Duplicate RPD, performed on L1622592-02, is outside the acceptance criteria for total petroleum hydrocarbons (c9-c44) (53%). The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

PCBs
L1622592-02: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

Case Narrative (continued)

Metals

L1622592-01 through -12: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG915990-4 MS recoveries for aluminum (53%), cadmium (0%), chromium (0%), copper (0%), iron (31900%), lead (7710%), manganese (637%), nickel (0%), selenium (33%), and zinc (0%), performed on L1622592-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

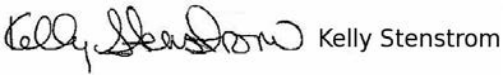
The WG915990-4 MS recoveries, performed on L1622592-01, are outside the acceptance criteria for antimony (68%), barium (356%), cobalt (42%), thallium (46%)and sodium (127%). A post digestion spike was performed and yielded an unacceptable recovery for thallium (57%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG916004-4 MS recovery for mercury (0%), performed on L1622592-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG915990-3 Laboratory Duplicate RPDs, performed on L1622592-01, are outside the acceptance criteria for antimony (31%), barium (25%), cobalt (70%), copper (24%), magnesium (85%), nickel (31%), silver (52%) and sodium (44%). The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

The WG916004-3 Laboratory Duplicate RPD, performed on L1622592-01, is outside the acceptance criteria for mercury (63%). The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 08/11/16

ORGANICS

VOLATILES

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-01
Client ID: DP-158-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/24/16 13:46
Analyst: BN
Percent Solids: 82%

Date Collected: 07/20/16 11:40
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.011	0.00020	1
Chloromethane	ND		mg/kg	0.0053	0.00031	1
Vinyl chloride	ND		mg/kg	0.0021	0.00012	1
Bromomethane	ND		mg/kg	0.0021	0.00036	1
Chloroethane	ND		mg/kg	0.0021	0.00034	1
Trichlorofluoromethane	ND		mg/kg	0.0053	0.00041	1
1,1-Dichloroethene	ND		mg/kg	0.0011	0.00028	1
Carbon disulfide	ND		mg/kg	0.011	0.0012	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.021	0.00029	1
Methylene chloride	0.0015	J	mg/kg	0.0053	0.0012	1
Acetone	0.10		mg/kg	0.038	0.0011	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0016	0.00023	1
Methyl Acetate	ND		mg/kg	0.0043	0.00029	1
Methyl tert butyl ether	ND		mg/kg	0.0021	0.00009	1
1,1-Dichloroethane	ND		mg/kg	0.0016	0.00009	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	0.00015	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0011	0.00015	1
Cyclohexane	ND		mg/kg	0.021	0.00016	1
Bromochloromethane	ND		mg/kg	0.0053	0.00029	1
Chloroform	ND		mg/kg	0.0016	0.00040	1
Carbon tetrachloride	ND		mg/kg	0.0011	0.00022	1
1,1,1-Trichloroethane	ND		mg/kg	0.0011	0.00012	1
2-Butanone	0.018		mg/kg	0.011	0.00029	1
Benzene	0.00015	J	mg/kg	0.0011	0.00013	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00012	1
Methyl cyclohexane	ND		mg/kg	0.0043	0.00016	1
Trichloroethene	ND		mg/kg	0.0011	0.00013	1
1,2-Dichloropropane	ND		mg/kg	0.0037	0.00024	1
Bromodichloromethane	ND		mg/kg	0.0011	0.00018	1
1,4-Dioxane	ND		mg/kg	0.11	0.015	1

Project Name: DC UNITED **Lab Number:** L1622592

Project Number: 40223-004 **Report Date:** 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-01 Date Collected: 07/20/16 11:40

Client ID: DP-158-SO-010-01 Date Received: 07/20/16

Sample Location: WASHINGTON, D.C. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00012	1
Toluene	ND		mg/kg	0.0016	0.00021	1
4-Methyl-2-pentanone	0.011		mg/kg	0.011	0.00026	1
Tetrachloroethene	0.0026		mg/kg	0.0011	0.00015	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00013	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0011	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.0016	0.00032	1
Dibromochloromethane	ND		mg/kg	0.0011	0.00016	1
1,2-Dibromoethane	ND		mg/kg	0.0043	0.00019	1
2-Hexanone	0.0015	J	mg/kg	0.011	0.00071	1
Chlorobenzene	ND		mg/kg	0.0011	0.00037	1
Ethylbenzene	ND		mg/kg	0.0011	0.00014	1
p/m-Xylene	ND		mg/kg	0.0021	0.00021	1
o-Xylene	ND		mg/kg	0.0021	0.00018	1
Xylenes, Total	ND		mg/kg	0.0021	0.00018	1
Styrene	ND		mg/kg	0.0021	0.00043	1
Bromoform	ND		mg/kg	0.0043	0.00025	1
Isopropylbenzene	ND		mg/kg	0.0011	0.00011	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0011	0.00011	1
1,3-Dichlorobenzene	ND		mg/kg	0.0053	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0053	0.00015	1
1,2-Dichlorobenzene	ND		mg/kg	0.0053	0.00016	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0053	0.00042	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0053	0.00019	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0053	0.00016	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	105		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-02
Client ID: DP-158-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/24/16 14:12
Analyst: BN
Percent Solids: 86%

Date Collected: 07/20/16 11:50
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00019	1
Chloromethane	ND		mg/kg	0.0050	0.00029	1
Vinyl chloride	0.00026	J	mg/kg	0.0020	0.00012	1
Bromomethane	ND		mg/kg	0.0020	0.00034	1
Chloroethane	ND		mg/kg	0.0020	0.00032	1
Trichlorofluoromethane	ND		mg/kg	0.0050	0.00039	1
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00026	1
Carbon disulfide	ND		mg/kg	0.010	0.0011	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.020	0.00027	1
Methylene chloride	ND		mg/kg	0.0050	0.0011	1
Acetone	0.17		mg/kg	0.036	0.0010	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00021	1
Methyl Acetate	ND		mg/kg	0.0040	0.00027	1
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00008	1
1,1-Dichloroethane	ND		mg/kg	0.0015	0.00008	1
cis-1,2-Dichloroethene	0.00043	J	mg/kg	0.0010	0.00014	1
1,2-Dichloroethene, Total	0.00043	J	mg/kg	0.0010	0.00014	1
Cyclohexane	ND		mg/kg	0.020	0.00014	1
Bromochloromethane	ND		mg/kg	0.0050	0.00028	1
Chloroform	ND		mg/kg	0.0015	0.00037	1
Carbon tetrachloride	ND		mg/kg	0.0010	0.00021	1
1,1,1-Trichloroethane	ND		mg/kg	0.0010	0.00011	1
2-Butanone	0.024		mg/kg	0.010	0.00027	1
Benzene	ND		mg/kg	0.0010	0.00012	1
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00011	1
Methyl cyclohexane	ND		mg/kg	0.0040	0.00015	1
Trichloroethene	ND		mg/kg	0.0010	0.00012	1
1,2-Dichloropropane	ND		mg/kg	0.0035	0.00023	1
Bromodichloromethane	ND		mg/kg	0.0010	0.00017	1
1,4-Dioxane	ND		mg/kg	0.10	0.014	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-02
Client ID: DP-158-SO-050-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/20/16 11:50
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00012	1
Toluene	ND		mg/kg	0.0015	0.00019	1
4-Methyl-2-pentanone	0.0051	J	mg/kg	0.010	0.00024	1
Tetrachloroethene	0.00042	J	mg/kg	0.0010	0.00014	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00012	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0010	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.0015	0.00030	1
Dibromochloromethane	ND		mg/kg	0.0010	0.00015	1
1,2-Dibromoethane	ND		mg/kg	0.0040	0.00017	1
2-Hexanone	0.0015	J	mg/kg	0.010	0.00066	1
Chlorobenzene	ND		mg/kg	0.0010	0.00035	1
Ethylbenzene	ND		mg/kg	0.0010	0.00013	1
p/m-Xylene	0.00021	J	mg/kg	0.0020	0.00020	1
o-Xylene	0.00021	J	mg/kg	0.0020	0.00017	1
Xylenes, Total	0.00042	J	mg/kg	0.0020	0.00017	1
Styrene	ND		mg/kg	0.0020	0.00040	1
Bromoform	ND		mg/kg	0.0040	0.00024	1
Isopropylbenzene	ND		mg/kg	0.0010	0.00010	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0010	0.00010	1
1,3-Dichlorobenzene	ND		mg/kg	0.0050	0.00013	1
1,4-Dichlorobenzene	ND		mg/kg	0.0050	0.00014	1
1,2-Dichlorobenzene	ND		mg/kg	0.0050	0.00015	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0050	0.00040	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0050	0.00018	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0050	0.00015	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	106		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-03
Client ID: DP-158-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/24/16 14:39
Analyst: BN
Percent Solids: 85%

Date Collected: 07/20/16 12:15
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00022	1
Chloromethane	ND		mg/kg	0.0059	0.00035	1
Vinyl chloride	ND		mg/kg	0.0024	0.00014	1
Bromomethane	ND		mg/kg	0.0024	0.00040	1
Chloroethane	ND		mg/kg	0.0024	0.00037	1
Trichlorofluoromethane	ND		mg/kg	0.0059	0.00046	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00031	1
Carbon disulfide	ND		mg/kg	0.012	0.0013	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.024	0.00032	1
Methylene chloride	ND		mg/kg	0.0059	0.0013	1
Acetone	0.038	J	mg/kg	0.042	0.0012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0018	0.00025	1
Methyl Acetate	ND		mg/kg	0.0047	0.00032	1
Methyl tert butyl ether	ND		mg/kg	0.0024	0.00010	1
1,1-Dichloroethane	ND		mg/kg	0.0018	0.00010	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00017	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00017	1
Cyclohexane	ND		mg/kg	0.024	0.00017	1
Bromochloromethane	ND		mg/kg	0.0059	0.00032	1
Chloroform	ND		mg/kg	0.0018	0.00044	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00025	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00013	1
2-Butanone	0.0051	J	mg/kg	0.012	0.00032	1
Benzene	ND		mg/kg	0.0012	0.00014	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00013	1
Methyl cyclohexane	ND		mg/kg	0.0047	0.00018	1
Trichloroethene	ND		mg/kg	0.0012	0.00015	1
1,2-Dichloropropane	ND		mg/kg	0.0041	0.00027	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00020	1
1,4-Dioxane	ND		mg/kg	0.12	0.017	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-03
Client ID: DP-158-SO-100-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/20/16 12:15
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
Toluene	ND		mg/kg	0.0018	0.00023	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00029	1
Tetrachloroethene	ND		mg/kg	0.0012	0.00016	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0018	0.00036	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00018	1
1,2-Dibromoethane	ND		mg/kg	0.0047	0.00020	1
2-Hexanone	ND		mg/kg	0.012	0.00078	1
Chlorobenzene	ND		mg/kg	0.0012	0.00041	1
Ethylbenzene	ND		mg/kg	0.0012	0.00015	1
p/m-Xylene	ND		mg/kg	0.0024	0.00023	1
o-Xylene	ND		mg/kg	0.0024	0.00020	1
Xylenes, Total	ND		mg/kg	0.0024	0.00020	1
Styrene	ND		mg/kg	0.0024	0.00047	1
Bromoform	ND		mg/kg	0.0047	0.00028	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0059	0.00016	1
1,4-Dichlorobenzene	ND		mg/kg	0.0059	0.00016	1
1,2-Dichlorobenzene	ND		mg/kg	0.0059	0.00018	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0059	0.00047	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0059	0.00021	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0059	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	105		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-04
Client ID: DP-151-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/24/16 15:05
Analyst: BN
Percent Solids: 80%

Date Collected: 07/20/16 12:30
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00024	1
Chloromethane	ND		mg/kg	0.0063	0.00037	1
Vinyl chloride	ND		mg/kg	0.0025	0.00015	1
Bromomethane	ND		mg/kg	0.0025	0.00042	1
Chloroethane	ND		mg/kg	0.0025	0.00040	1
Trichlorofluoromethane	ND		mg/kg	0.0063	0.00049	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00033	1
Carbon disulfide	ND		mg/kg	0.012	0.0014	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.025	0.00034	1
Methylene chloride	ND		mg/kg	0.0063	0.0014	1
Acetone	ND		mg/kg	0.045	0.0013	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0019	0.00027	1
Methyl Acetate	ND		mg/kg	0.0050	0.00034	1
Methyl tert butyl ether	ND		mg/kg	0.0025	0.00011	1
1,1-Dichloroethane	ND		mg/kg	0.0019	0.00011	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00018	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00018	1
Cyclohexane	ND		mg/kg	0.025	0.00018	1
Bromochloromethane	ND		mg/kg	0.0063	0.00035	1
Chloroform	ND		mg/kg	0.0019	0.00046	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00026	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00014	1
2-Butanone	ND		mg/kg	0.012	0.00034	1
Benzene	ND		mg/kg	0.0012	0.00015	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0050	0.00019	1
Trichloroethene	ND		mg/kg	0.0012	0.00016	1
1,2-Dichloropropane	ND		mg/kg	0.0044	0.00029	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00022	1
1,4-Dioxane	ND		mg/kg	0.12	0.018	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-04
Client ID: DP-151-SO-010-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/20/16 12:30
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00015	1
Toluene	ND		mg/kg	0.0019	0.00024	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00031	1
Tetrachloroethene	ND		mg/kg	0.0012	0.00018	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00015	1
1,1,2-Trichloroethane	ND		mg/kg	0.0019	0.00038	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00019	1
1,2-Dibromoethane	ND		mg/kg	0.0050	0.00022	1
2-Hexanone	ND		mg/kg	0.012	0.00084	1
Chlorobenzene	ND		mg/kg	0.0012	0.00044	1
Ethylbenzene	ND		mg/kg	0.0012	0.00016	1
p/m-Xylene	ND		mg/kg	0.0025	0.00025	1
o-Xylene	ND		mg/kg	0.0025	0.00022	1
Xylenes, Total	ND		mg/kg	0.0025	0.00022	1
Styrene	ND		mg/kg	0.0025	0.00050	1
Bromoform	ND		mg/kg	0.0050	0.00030	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00013	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00013	1
1,3-Dichlorobenzene	ND		mg/kg	0.0063	0.00017	1
1,4-Dichlorobenzene	ND		mg/kg	0.0063	0.00017	1
1,2-Dichlorobenzene	ND		mg/kg	0.0063	0.00019	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0063	0.00050	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0063	0.00023	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0063	0.00018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	105		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-05
Client ID: DP-151-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/24/16 15:31
Analyst: BN
Percent Solids: 81%

Date Collected: 07/20/16 12:35
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00022	1
Chloromethane	ND		mg/kg	0.0058	0.00034	1
Vinyl chloride	ND		mg/kg	0.0023	0.00014	1
Bromomethane	ND		mg/kg	0.0023	0.00039	1
Chloroethane	ND		mg/kg	0.0023	0.00036	1
Trichlorofluoromethane	ND		mg/kg	0.0058	0.00045	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00030	1
Carbon disulfide	ND		mg/kg	0.012	0.0013	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.023	0.00032	1
Methylene chloride	0.0024	J	mg/kg	0.0058	0.0013	1
Acetone	0.0051	J	mg/kg	0.041	0.0012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0017	0.00024	1
Methyl Acetate	ND		mg/kg	0.0046	0.00031	1
Methyl tert butyl ether	ND		mg/kg	0.0023	0.00009	1
1,1-Dichloroethane	ND		mg/kg	0.0017	0.00009	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00016	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00016	1
Cyclohexane	ND		mg/kg	0.023	0.00017	1
Bromochloromethane	ND		mg/kg	0.0058	0.00032	1
Chloroform	ND		mg/kg	0.0017	0.00042	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00013	1
2-Butanone	ND		mg/kg	0.012	0.00031	1
Benzene	ND		mg/kg	0.0012	0.00014	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00013	1
Methyl cyclohexane	ND		mg/kg	0.0046	0.00018	1
Trichloroethene	ND		mg/kg	0.0012	0.00014	1
1,2-Dichloropropane	ND		mg/kg	0.0040	0.00026	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00020	1
1,4-Dioxane	ND		mg/kg	0.12	0.016	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-05
Client ID: DP-151-SO-050-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/20/16 12:35
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
Toluene	ND		mg/kg	0.0017	0.00022	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00028	1
Tetrachloroethene	ND		mg/kg	0.0012	0.00016	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0017	0.00035	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00018	1
1,2-Dibromoethane	ND		mg/kg	0.0046	0.00020	1
2-Hexanone	ND		mg/kg	0.012	0.00077	1
Chlorobenzene	ND		mg/kg	0.0012	0.00040	1
Ethylbenzene	ND		mg/kg	0.0012	0.00015	1
p/m-Xylene	ND		mg/kg	0.0023	0.00023	1
o-Xylene	ND		mg/kg	0.0023	0.00020	1
Xylenes, Total	ND		mg/kg	0.0023	0.00020	1
Styrene	ND		mg/kg	0.0023	0.00046	1
Bromoform	ND		mg/kg	0.0046	0.00027	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0058	0.00016	1
1,4-Dichlorobenzene	ND		mg/kg	0.0058	0.00016	1
1,2-Dichlorobenzene	ND		mg/kg	0.0058	0.00018	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0058	0.00046	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0058	0.00021	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0058	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	105		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-06
Client ID: DP-151-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/24/16 15:58
Analyst: BN
Percent Solids: 85%

Date Collected: 07/20/16 12:40
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00020	1
Chloromethane	ND		mg/kg	0.0053	0.00031	1
Vinyl chloride	ND		mg/kg	0.0021	0.00012	1
Bromomethane	ND		mg/kg	0.0021	0.00036	1
Chloroethane	ND		mg/kg	0.0021	0.00033	1
Trichlorofluoromethane	ND		mg/kg	0.0053	0.00041	1
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00028	1
Carbon disulfide	ND		mg/kg	0.010	0.0012	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.021	0.00029	1
Methylene chloride	ND		mg/kg	0.0053	0.0012	1
Acetone	ND		mg/kg	0.038	0.0011	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0016	0.00022	1
Methyl Acetate	ND		mg/kg	0.0042	0.00028	1
Methyl tert butyl ether	ND		mg/kg	0.0021	0.00008	1
1,1-Dichloroethane	ND		mg/kg	0.0016	0.00009	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00015	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	0.00015	1
Cyclohexane	ND		mg/kg	0.021	0.00015	1
Bromochloromethane	ND		mg/kg	0.0053	0.00029	1
Chloroform	ND		mg/kg	0.0016	0.00039	1
Carbon tetrachloride	ND		mg/kg	0.0010	0.00022	1
1,1,1-Trichloroethane	ND		mg/kg	0.0010	0.00012	1
2-Butanone	ND		mg/kg	0.010	0.00029	1
Benzene	0.00012	J	mg/kg	0.0010	0.00012	1
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00012	1
Methyl cyclohexane	ND		mg/kg	0.0042	0.00016	1
Trichloroethene	ND		mg/kg	0.0010	0.00013	1
1,2-Dichloropropane	ND		mg/kg	0.0037	0.00024	1
Bromodichloromethane	ND		mg/kg	0.0010	0.00018	1
1,4-Dioxane	ND		mg/kg	0.10	0.015	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-06
Client ID: DP-151-SO-100-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/20/16 12:40
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00012	1
Toluene	ND		mg/kg	0.0016	0.00020	1
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.00026	1
Tetrachloroethene	ND		mg/kg	0.0010	0.00015	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00013	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0010	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.0016	0.00032	1
Dibromochloromethane	ND		mg/kg	0.0010	0.00016	1
1,2-Dibromoethane	ND		mg/kg	0.0042	0.00018	1
2-Hexanone	ND		mg/kg	0.010	0.00070	1
Chlorobenzene	ND		mg/kg	0.0010	0.00037	1
Ethylbenzene	ND		mg/kg	0.0010	0.00013	1
p/m-Xylene	ND		mg/kg	0.0021	0.00021	1
o-Xylene	ND		mg/kg	0.0021	0.00018	1
Xylenes, Total	ND		mg/kg	0.0021	0.00018	1
Styrene	ND		mg/kg	0.0021	0.00042	1
Bromoform	ND		mg/kg	0.0042	0.00025	1
Isopropylbenzene	ND		mg/kg	0.0010	0.00011	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0010	0.00011	1
1,3-Dichlorobenzene	ND		mg/kg	0.0053	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0053	0.00015	1
1,2-Dichlorobenzene	ND		mg/kg	0.0053	0.00016	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0053	0.00042	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0053	0.00019	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0053	0.00016	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-07
Client ID: DP-152-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/24/16 16:24
Analyst: BN
Percent Solids: 86%

Date Collected: 07/20/16 13:00
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.011	0.00020	1
Chloromethane	ND		mg/kg	0.0053	0.00031	1
Vinyl chloride	ND		mg/kg	0.0021	0.00012	1
Bromomethane	ND		mg/kg	0.0021	0.00036	1
Chloroethane	ND		mg/kg	0.0021	0.00034	1
Trichlorofluoromethane	ND		mg/kg	0.0053	0.00041	1
1,1-Dichloroethene	ND		mg/kg	0.0011	0.00028	1
Carbon disulfide	ND		mg/kg	0.011	0.0012	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.021	0.00029	1
Methylene chloride	ND		mg/kg	0.0053	0.0012	1
Acetone	ND		mg/kg	0.038	0.0011	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0016	0.00022	1
Methyl Acetate	ND		mg/kg	0.0042	0.00029	1
Methyl tert butyl ether	ND		mg/kg	0.0021	0.00009	1
1,1-Dichloroethane	ND		mg/kg	0.0016	0.00009	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	0.00015	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0011	0.00015	1
Cyclohexane	ND		mg/kg	0.021	0.00015	1
Bromochloromethane	ND		mg/kg	0.0053	0.00029	1
Chloroform	ND		mg/kg	0.0016	0.00039	1
Carbon tetrachloride	ND		mg/kg	0.0011	0.00022	1
1,1,1-Trichloroethane	ND		mg/kg	0.0011	0.00012	1
2-Butanone	ND		mg/kg	0.011	0.00029	1
Benzene	ND		mg/kg	0.0011	0.00012	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00012	1
Methyl cyclohexane	ND		mg/kg	0.0042	0.00016	1
Trichloroethene	ND		mg/kg	0.0011	0.00013	1
1,2-Dichloropropane	ND		mg/kg	0.0037	0.00024	1
Bromodichloromethane	ND		mg/kg	0.0011	0.00018	1
1,4-Dioxane	ND		mg/kg	0.11	0.015	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-07
Client ID: DP-152-SO-010-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/20/16 13:00
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00012	1
Toluene	ND		mg/kg	0.0016	0.00021	1
4-Methyl-2-pentanone	ND		mg/kg	0.011	0.00026	1
Tetrachloroethene	ND		mg/kg	0.0011	0.00015	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00013	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0011	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.0016	0.00032	1
Dibromochloromethane	ND		mg/kg	0.0011	0.00016	1
1,2-Dibromoethane	ND		mg/kg	0.0042	0.00018	1
2-Hexanone	ND		mg/kg	0.011	0.00071	1
Chlorobenzene	ND		mg/kg	0.0011	0.00037	1
Ethylbenzene	ND		mg/kg	0.0011	0.00014	1
p/m-Xylene	ND		mg/kg	0.0021	0.00021	1
o-Xylene	ND		mg/kg	0.0021	0.00018	1
Xylenes, Total	ND		mg/kg	0.0021	0.00018	1
Styrene	ND		mg/kg	0.0021	0.00043	1
Bromoform	ND		mg/kg	0.0042	0.00025	1
Isopropylbenzene	ND		mg/kg	0.0011	0.00011	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0011	0.00011	1
1,3-Dichlorobenzene	ND		mg/kg	0.0053	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0053	0.00015	1
1,2-Dichlorobenzene	ND		mg/kg	0.0053	0.00016	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0053	0.00042	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0053	0.00019	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0053	0.00016	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-08
Client ID: DP-152-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/24/16 16:51
Analyst: BN
Percent Solids: 86%

Date Collected: 07/20/16 13:05
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00019	1
Chloromethane	ND		mg/kg	0.0051	0.00030	1
Vinyl chloride	ND		mg/kg	0.0020	0.00012	1
Bromomethane	ND		mg/kg	0.0020	0.00034	1
Chloroethane	ND		mg/kg	0.0020	0.00032	1
Trichlorofluoromethane	ND		mg/kg	0.0051	0.00040	1
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00027	1
Carbon disulfide	ND		mg/kg	0.010	0.0011	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.020	0.00028	1
Methylene chloride	ND		mg/kg	0.0051	0.0011	1
Acetone	ND		mg/kg	0.037	0.0010	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00022	1
Methyl Acetate	ND		mg/kg	0.0041	0.00028	1
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00008	1
1,1-Dichloroethane	ND		mg/kg	0.0015	0.00008	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00014	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	0.00014	1
Cyclohexane	ND		mg/kg	0.020	0.00015	1
Bromochloromethane	ND		mg/kg	0.0051	0.00028	1
Chloroform	ND		mg/kg	0.0015	0.00038	1
Carbon tetrachloride	ND		mg/kg	0.0010	0.00021	1
1,1,1-Trichloroethane	ND		mg/kg	0.0010	0.00011	1
2-Butanone	ND		mg/kg	0.010	0.00028	1
Benzene	ND		mg/kg	0.0010	0.00012	1
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00012	1
Methyl cyclohexane	ND		mg/kg	0.0041	0.00016	1
Trichloroethene	ND		mg/kg	0.0010	0.00013	1
1,2-Dichloropropane	ND		mg/kg	0.0036	0.00023	1
Bromodichloromethane	ND		mg/kg	0.0010	0.00018	1
1,4-Dioxane	ND		mg/kg	0.10	0.015	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-08
Client ID: DP-152-SO-050-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/20/16 13:05
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00012	1
Toluene	ND		mg/kg	0.0015	0.00020	1
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.00025	1
Tetrachloroethene	ND		mg/kg	0.0010	0.00014	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00012	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0010	0.00012	1
1,1,2-Trichloroethane	ND		mg/kg	0.0015	0.00031	1
Dibromochloromethane	ND		mg/kg	0.0010	0.00016	1
1,2-Dibromoethane	ND		mg/kg	0.0041	0.00018	1
2-Hexanone	ND		mg/kg	0.010	0.00068	1
Chlorobenzene	ND		mg/kg	0.0010	0.00036	1
Ethylbenzene	ND		mg/kg	0.0010	0.00013	1
p/m-Xylene	ND		mg/kg	0.0020	0.00020	1
o-Xylene	ND		mg/kg	0.0020	0.00018	1
Xylenes, Total	ND		mg/kg	0.0020	0.00018	1
Styrene	ND		mg/kg	0.0020	0.00041	1
Bromoform	ND		mg/kg	0.0041	0.00024	1
Isopropylbenzene	ND		mg/kg	0.0010	0.00010	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0010	0.00010	1
1,3-Dichlorobenzene	ND		mg/kg	0.0051	0.00014	1
1,4-Dichlorobenzene	ND		mg/kg	0.0051	0.00014	1
1,2-Dichlorobenzene	ND		mg/kg	0.0051	0.00016	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0051	0.00040	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0051	0.00018	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0051	0.00015	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	105		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-09
Client ID: DP-152-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/24/16 17:17
Analyst: BN
Percent Solids: 87%

Date Collected: 07/20/16 13:10
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.011	0.00021	1
Chloromethane	ND		mg/kg	0.0055	0.00032	1
Vinyl chloride	ND		mg/kg	0.0022	0.00013	1
Bromomethane	ND		mg/kg	0.0022	0.00037	1
Chloroethane	ND		mg/kg	0.0022	0.00035	1
Trichlorofluoromethane	ND		mg/kg	0.0055	0.00043	1
1,1-Dichloroethene	ND		mg/kg	0.0011	0.00029	1
Carbon disulfide	ND		mg/kg	0.011	0.0012	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.022	0.00030	1
Methylene chloride	ND		mg/kg	0.0055	0.0012	1
Acetone	ND		mg/kg	0.040	0.0011	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0016	0.00023	1
Methyl Acetate	ND		mg/kg	0.0044	0.00030	1
Methyl tert butyl ether	0.00083	J	mg/kg	0.0022	0.00009	1
1,1-Dichloroethane	ND		mg/kg	0.0016	0.00009	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	0.00016	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0011	0.00016	1
Cyclohexane	ND		mg/kg	0.022	0.00016	1
Bromochloromethane	ND		mg/kg	0.0055	0.00030	1
Chloroform	ND		mg/kg	0.0016	0.00041	1
Carbon tetrachloride	ND		mg/kg	0.0011	0.00023	1
1,1,1-Trichloroethane	ND		mg/kg	0.0011	0.00012	1
2-Butanone	ND		mg/kg	0.011	0.00030	1
Benzene	ND		mg/kg	0.0011	0.00013	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00012	1
Methyl cyclohexane	ND		mg/kg	0.0044	0.00017	1
Trichloroethene	ND		mg/kg	0.0011	0.00014	1
1,2-Dichloropropane	ND		mg/kg	0.0039	0.00025	1
Bromodichloromethane	ND		mg/kg	0.0011	0.00019	1
1,4-Dioxane	ND		mg/kg	0.11	0.016	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-09
Client ID: DP-152-SO-100-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/20/16 13:10
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00013	1
Toluene	ND		mg/kg	0.0016	0.00022	1
4-Methyl-2-pentanone	ND		mg/kg	0.011	0.00027	1
Tetrachloroethene	ND		mg/kg	0.0011	0.00016	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00013	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0011	0.00013	1
1,1,2-Trichloroethane	ND		mg/kg	0.0016	0.00034	1
Dibromochloromethane	ND		mg/kg	0.0011	0.00017	1
1,2-Dibromoethane	ND		mg/kg	0.0044	0.00019	1
2-Hexanone	ND		mg/kg	0.011	0.00074	1
Chlorobenzene	ND		mg/kg	0.0011	0.00038	1
Ethylbenzene	ND		mg/kg	0.0011	0.00014	1
p/m-Xylene	ND		mg/kg	0.0022	0.00022	1
o-Xylene	ND		mg/kg	0.0022	0.00019	1
Xylenes, Total	ND		mg/kg	0.0022	0.00019	1
Styrene	ND		mg/kg	0.0022	0.00044	1
Bromoform	ND		mg/kg	0.0044	0.00026	1
Isopropylbenzene	ND		mg/kg	0.0011	0.00011	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0011	0.00011	1
1,3-Dichlorobenzene	ND		mg/kg	0.0055	0.00015	1
1,4-Dichlorobenzene	ND		mg/kg	0.0055	0.00015	1
1,2-Dichlorobenzene	ND		mg/kg	0.0055	0.00017	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0055	0.00044	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0055	0.00020	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0055	0.00016	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	104		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-10
Client ID: DP-153-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/24/16 17:43
Analyst: BN
Percent Solids: 84%

Date Collected: 07/20/16 13:30
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.011	0.00022	1
Chloromethane	ND		mg/kg	0.0057	0.00033	1
Vinyl chloride	ND		mg/kg	0.0023	0.00013	1
Bromomethane	ND		mg/kg	0.0023	0.00038	1
Chloroethane	ND		mg/kg	0.0023	0.00036	1
Trichlorofluoromethane	ND		mg/kg	0.0057	0.00044	1
1,1-Dichloroethene	ND		mg/kg	0.0011	0.00030	1
Carbon disulfide	ND		mg/kg	0.011	0.0012	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.023	0.00031	1
Methylene chloride	ND		mg/kg	0.0057	0.0012	1
Acetone	ND		mg/kg	0.041	0.0012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0017	0.00024	1
Methyl Acetate	ND		mg/kg	0.0046	0.00031	1
Methyl tert butyl ether	ND		mg/kg	0.0023	0.00009	1
1,1-Dichloroethane	ND		mg/kg	0.0017	0.00009	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	0.00016	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0011	0.00016	1
Cyclohexane	ND		mg/kg	0.023	0.00017	1
Bromochloromethane	ND		mg/kg	0.0057	0.00031	1
Chloroform	ND		mg/kg	0.0017	0.00042	1
Carbon tetrachloride	ND		mg/kg	0.0011	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.0011	0.00013	1
2-Butanone	ND		mg/kg	0.011	0.00031	1
Benzene	ND		mg/kg	0.0011	0.00013	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00013	1
Methyl cyclohexane	ND		mg/kg	0.0046	0.00018	1
Trichloroethene	ND		mg/kg	0.0011	0.00014	1
1,2-Dichloropropane	ND		mg/kg	0.0040	0.00026	1
Bromodichloromethane	ND		mg/kg	0.0011	0.00020	1
1,4-Dioxane	ND		mg/kg	0.11	0.016	1

Project Name: DC UNITED **Lab Number:** L1622592

Project Number: 40223-004 **Report Date:** 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-10 Date Collected: 07/20/16 13:30

Client ID: DP-153-SO-010-01 Date Received: 07/20/16

Sample Location: WASHINGTON, D.C. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00013	1
Toluene	ND		mg/kg	0.0017	0.00022	1
4-Methyl-2-pentanone	ND		mg/kg	0.011	0.00028	1
Tetrachloroethene	ND		mg/kg	0.0011	0.00016	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0011	0.00013	1
1,1,2-Trichloroethane	ND		mg/kg	0.0017	0.00035	1
Dibromochloromethane	ND		mg/kg	0.0011	0.00017	1
1,2-Dibromoethane	ND		mg/kg	0.0046	0.00020	1
2-Hexanone	ND		mg/kg	0.011	0.00076	1
Chlorobenzene	ND		mg/kg	0.0011	0.00040	1
Ethylbenzene	ND		mg/kg	0.0011	0.00014	1
p/m-Xylene	ND		mg/kg	0.0023	0.00022	1
o-Xylene	ND		mg/kg	0.0023	0.00020	1
Xylenes, Total	ND		mg/kg	0.0023	0.00020	1
Styrene	ND		mg/kg	0.0023	0.00046	1
Bromoform	ND		mg/kg	0.0046	0.00027	1
Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0011	0.00011	1
1,3-Dichlorobenzene	ND		mg/kg	0.0057	0.00015	1
1,4-Dichlorobenzene	ND		mg/kg	0.0057	0.00016	1
1,2-Dichlorobenzene	ND		mg/kg	0.0057	0.00017	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0057	0.00045	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0057	0.00021	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0057	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	106		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-11
Client ID: DP-153-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/24/16 18:10
Analyst: BN
Percent Solids: 79%

Date Collected: 07/20/16 13:35
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00023	1
Chloromethane	ND		mg/kg	0.0060	0.00035	1
Vinyl chloride	ND		mg/kg	0.0024	0.00014	1
Bromomethane	ND		mg/kg	0.0024	0.00040	1
Chloroethane	ND		mg/kg	0.0024	0.00038	1
Trichlorofluoromethane	0.0011	J	mg/kg	0.0060	0.00046	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00031	1
Carbon disulfide	ND		mg/kg	0.012	0.0013	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.024	0.00033	1
Methylene chloride	ND		mg/kg	0.0060	0.0013	1
Acetone	0.039	J	mg/kg	0.043	0.0012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0018	0.00025	1
Methyl Acetate	ND		mg/kg	0.0048	0.00032	1
Methyl tert butyl ether	ND		mg/kg	0.0024	0.00010	1
1,1-Dichloroethane	ND		mg/kg	0.0018	0.00010	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00017	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00017	1
Cyclohexane	ND		mg/kg	0.024	0.00017	1
Bromochloromethane	ND		mg/kg	0.0060	0.00033	1
Chloroform	ND		mg/kg	0.0018	0.00044	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00025	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00013	1
2-Butanone	0.0068	J	mg/kg	0.012	0.00032	1
Benzene	0.00016	J	mg/kg	0.0012	0.00014	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0048	0.00018	1
Trichloroethene	ND		mg/kg	0.0012	0.00015	1
1,2-Dichloropropane	ND		mg/kg	0.0042	0.00027	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00021	1
1,4-Dioxane	ND		mg/kg	0.12	0.017	1

Project Name: DC UNITED **Lab Number:** L1622592

Project Number: 40223-004 **Report Date:** 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-11 Date Collected: 07/20/16 13:35

Client ID: DP-153-SO-050-01 Date Received: 07/20/16

Sample Location: WASHINGTON, D.C. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
Toluene	ND		mg/kg	0.0018	0.00023	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00029	1
Tetrachloroethene	0.00086	J	mg/kg	0.0012	0.00017	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0018	0.00036	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00018	1
1,2-Dibromoethane	ND		mg/kg	0.0048	0.00021	1
2-Hexanone	ND		mg/kg	0.012	0.00080	1
Chlorobenzene	ND		mg/kg	0.0012	0.00042	1
Ethylbenzene	0.0017		mg/kg	0.0012	0.00015	1
p/m-Xylene	0.0042		mg/kg	0.0024	0.00024	1
o-Xylene	0.0011	J	mg/kg	0.0024	0.00020	1
Xylenes, Total	0.0053	J	mg/kg	0.0024	0.00020	1
Styrene	0.00094	J	mg/kg	0.0024	0.00048	1
Bromoform	ND		mg/kg	0.0048	0.00028	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0060	0.00016	1
1,4-Dichlorobenzene	ND		mg/kg	0.0060	0.00016	1
1,2-Dichlorobenzene	ND		mg/kg	0.0060	0.00018	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0060	0.00047	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0060	0.00022	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0060	0.00018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	105		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-12
Client ID: DP-153-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/24/16 18:36
Analyst: BN
Percent Solids: 62%

Date Collected: 07/20/16 13:40
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.016	0.00030	1
Chloromethane	ND		mg/kg	0.0078	0.00046	1
Vinyl chloride	ND		mg/kg	0.0031	0.00018	1
Bromomethane	ND		mg/kg	0.0031	0.00052	1
Chloroethane	ND		mg/kg	0.0031	0.00049	1
Trichlorofluoromethane	ND		mg/kg	0.0078	0.00060	1
1,1-Dichloroethene	ND		mg/kg	0.0016	0.00041	1
Carbon disulfide	ND		mg/kg	0.016	0.0017	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.031	0.00042	1
Methylene chloride	ND		mg/kg	0.0078	0.0017	1
Acetone	0.081		mg/kg	0.056	0.0016	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0023	0.00033	1
Methyl Acetate	ND		mg/kg	0.0062	0.00042	1
Methyl tert butyl ether	ND		mg/kg	0.0031	0.00013	1
1,1-Dichloroethane	ND		mg/kg	0.0023	0.00013	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0016	0.00022	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0016	0.00022	1
Cyclohexane	ND		mg/kg	0.031	0.00023	1
Bromochloromethane	ND		mg/kg	0.0078	0.00043	1
Chloroform	ND		mg/kg	0.0023	0.00057	1
Carbon tetrachloride	ND		mg/kg	0.0016	0.00032	1
1,1,1-Trichloroethane	ND		mg/kg	0.0016	0.00017	1
2-Butanone	0.012	J	mg/kg	0.016	0.00042	1
Benzene	0.00021	J	mg/kg	0.0016	0.00018	1
1,2-Dichloroethane	ND		mg/kg	0.0016	0.00018	1
Methyl cyclohexane	ND		mg/kg	0.0062	0.00024	1
Trichloroethene	ND		mg/kg	0.0016	0.00019	1
1,2-Dichloropropane	ND		mg/kg	0.0054	0.00035	1
Bromodichloromethane	ND		mg/kg	0.0016	0.00027	1
1,4-Dioxane	ND		mg/kg	0.16	0.022	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-12
Client ID: DP-153-SO-100-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/20/16 13:40
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0016	0.00018	1
Toluene	ND		mg/kg	0.0023	0.00030	1
4-Methyl-2-pentanone	ND		mg/kg	0.016	0.00038	1
Tetrachloroethene	ND		mg/kg	0.0016	0.00022	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0016	0.00019	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0016	0.00018	1
1,1,2-Trichloroethane	ND		mg/kg	0.0023	0.00047	1
Dibromochloromethane	ND		mg/kg	0.0016	0.00024	1
1,2-Dibromoethane	ND		mg/kg	0.0062	0.00027	1
2-Hexanone	ND		mg/kg	0.016	0.0010	1
Chlorobenzene	ND		mg/kg	0.0016	0.00054	1
Ethylbenzene	ND		mg/kg	0.0016	0.00020	1
p/m-Xylene	ND		mg/kg	0.0031	0.00031	1
o-Xylene	ND		mg/kg	0.0031	0.00027	1
Xylenes, Total	ND		mg/kg	0.0031	0.00027	1
Styrene	ND		mg/kg	0.0031	0.00062	1
Bromoform	ND		mg/kg	0.0062	0.00037	1
Isopropylbenzene	ND		mg/kg	0.0016	0.00016	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0016	0.00016	1
1,3-Dichlorobenzene	ND		mg/kg	0.0078	0.00021	1
1,4-Dichlorobenzene	ND		mg/kg	0.0078	0.00021	1
1,2-Dichlorobenzene	ND		mg/kg	0.0078	0.00024	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0078	0.00061	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0078	0.00028	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0078	0.00023	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	105		70-130

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/24/16 13:20
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG916683-3					
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00019
Chloromethane	ND		mg/kg	0.0050	0.00029
Vinyl chloride	ND		mg/kg	0.0020	0.00012
Bromomethane	ND		mg/kg	0.0020	0.00034
Chloroethane	ND		mg/kg	0.0020	0.00032
Trichlorofluoromethane	ND		mg/kg	0.0050	0.00039
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00026
Carbon disulfide	ND		mg/kg	0.010	0.0011
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.020	0.00027
Methylene chloride	ND		mg/kg	0.0050	0.0011
Acetone	ND		mg/kg	0.036	0.0010
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00021
Methyl Acetate	ND		mg/kg	0.0040	0.00027
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00008
1,1-Dichloroethane	ND		mg/kg	0.0015	0.00008
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00014
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	0.00014
Cyclohexane	ND		mg/kg	0.020	0.00015
Bromochloromethane	ND		mg/kg	0.0050	0.00028
Chloroform	ND		mg/kg	0.0015	0.00037
Carbon tetrachloride	ND		mg/kg	0.0010	0.00021
1,1,1-Trichloroethane	ND		mg/kg	0.0010	0.00011
2-Butanone	ND		mg/kg	0.010	0.00027
Benzene	ND		mg/kg	0.0010	0.00012
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00011
Methyl cyclohexane	0.00017	J	mg/kg	0.0040	0.00015
Trichloroethene	ND		mg/kg	0.0010	0.00012
1,2-Dichloropropane	ND		mg/kg	0.0035	0.00023
Bromodichloromethane	ND		mg/kg	0.0010	0.00017

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/24/16 13:20
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG916683-3					
1,4-Dioxane	ND		mg/kg	0.10	0.014
cis-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00012
Toluene	ND		mg/kg	0.0015	0.00019
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.00024
Tetrachloroethene	ND		mg/kg	0.0010	0.00014
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00012
1,3-Dichloropropene, Total	ND		mg/kg	0.0010	0.00012
1,1,2-Trichloroethane	ND		mg/kg	0.0015	0.00030
Dibromochloromethane	ND		mg/kg	0.0010	0.00015
1,2-Dibromoethane	ND		mg/kg	0.0040	0.00017
2-Hexanone	ND		mg/kg	0.010	0.00067
Chlorobenzene	ND		mg/kg	0.0010	0.00035
Ethylbenzene	ND		mg/kg	0.0010	0.00013
p/m-Xylene	ND		mg/kg	0.0020	0.00020
o-Xylene	ND		mg/kg	0.0020	0.00017
Xylenes, Total	ND		mg/kg	0.0020	0.00017
Styrene	ND		mg/kg	0.0020	0.00040
Bromoform	ND		mg/kg	0.0040	0.00024
Isopropylbenzene	ND		mg/kg	0.0010	0.00010
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0010	0.00010
1,3-Dichlorobenzene	ND		mg/kg	0.0050	0.00014
1,4-Dichlorobenzene	ND		mg/kg	0.0050	0.00014
1,2-Dichlorobenzene	ND		mg/kg	0.0050	0.00015
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0050	0.00040
1,2,4-Trichlorobenzene	ND		mg/kg	0.0050	0.00018
1,2,3-Trichlorobenzene	ND		mg/kg	0.0050	0.00015

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/24/16 13:20
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG916683-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG916683-1 WG916683-2								
Dichlorodifluoromethane	96		82		30-146	16		30
Chloromethane	102		92		52-130	10		30
Vinyl chloride	94		82		67-130	14		30
Bromomethane	99		89		57-147	11		30
Chloroethane	81		74		50-151	9		30
Trichlorofluoromethane	100		87		70-139	14		30
1,1-Dichloroethene	89		79		65-135	12		30
Carbon disulfide	88		85		59-130	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		85		50-139	14		30
Acrolein	87		82		51-130	6		30
Methylene chloride	94		90		70-130	4		30
Acetone	82		74		54-140	10		30
trans-1,2-Dichloroethene	96		86		70-130	11		30
Methyl Acetate	95		92		51-146	3		30
Methyl tert butyl ether	92		91		66-130	1		30
1,1-Dichloroethane	89		82		70-130	8		30
Acrylonitrile	90		90		70-130	0		30
cis-1,2-Dichloroethene	95		88		70-130	8		30
2,2-Dichloropropane	90		81		70-130	11		30
Cyclohexane	92		79		59-142	15		30
Bromochloromethane	102		100		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG916683-1 WG916683-2								
Chloroform	90		85		70-130	6		30
Carbon tetrachloride	93		83		70-130	11		30
1,1,1-Trichloroethane	94		84		70-130	11		30
2-Butanone	90		89		70-130	1		30
1,1-Dichloropropene	92		80		70-130	14		30
Benzene	94		86		70-130	9		30
1,2-Dichloroethane	88		86		70-130	2		30
Methyl cyclohexane	99		83		70-130	18		30
Trichloroethene	94		86		70-130	9		30
1,2-Dichloropropane	88		83		70-130	6		30
Bromodichloromethane	86		82		70-130	5		30
1,4-Dioxane	93		96		65-136	3		30
2-Chloroethylvinyl ether	102		96		70-130	6		30
cis-1,3-Dichloropropene	83		82		70-130	1		30
Toluene	88		82		70-130	7		30
4-Methyl-2-pentanone	82		82		70-130	0		30
Tetrachloroethene	110		97		70-130	13		30
trans-1,3-Dichloropropene	76		75		70-130	1		30
1,1,2-Trichloroethane	84		83		70-130	1		30
Dibromochloromethane	86		87		70-130	1		30
1,3-Dichloropropane	85		85		69-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG916683-1 WG916683-2								
1,2-Dibromoethane	91		90		70-130	1		30
2-Hexanone	87		85		70-130	2		30
Chlorobenzene	94		89		70-130	5		30
Ethylbenzene	89		82		70-130	8		30
1,1,1,2-Tetrachloroethane	90		88		70-130	2		30
p/m-Xylene	95		88		70-130	8		30
o-Xylene	95		89		70-130	7		30
Styrene	95		91		70-130	4		30
Bromoform	79		82		70-130	4		30
Isopropylbenzene	92		84		70-130	9		30
Bromobenzene	97		95		70-130	2		30
1,1,2,2-Tetrachloroethane	82		83		70-130	1		30
o-Chlorotoluene	83		77		70-130	8		30
1,3,5-Trimethylbenzene	85		78		70-130	9		30
1,2,3-Trichloropropane	77		77		68-130	0		30
p-Chlorotoluene	79		75		70-130	5		30
tert-Butylbenzene	86		79		70-130	8		30
1,2,4-Trimethylbenzene	84		79		70-130	6		30
sec-Butylbenzene	88		80		70-130	10		30
p-Isopropyltoluene	86		78		70-130	10		30
1,3-Dichlorobenzene	95		92		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG916683-1 WG916683-2								
1,4-Dichlorobenzene	93		89		70-130	4		30
n-Butylbenzene	82		74		70-130	10		30
1,2-Dichlorobenzene	94		91		70-130	3		30
1,2-Dibromo-3-chloropropane	82		84		68-130	2		30
Hexachlorobutadiene	105		93		67-130	12		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
Naphthalene	82		82		70-130	0		30
1,2,3-Trichlorobenzene	92		94		70-130	2		30
tert-Butyl Alcohol	79		81		40-160	3		30
Tertiary-Amyl Methyl Ether	87		85		70-130	2		30
Isopropyl Ether	89		87		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	84		85		70-130
Dibromofluoromethane	103		104		70-130

SEMIVOLATILES

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-01
Client ID: DP-158-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/27/16 07:02
Analyst: PS
Percent Solids: 82%

Date Collected: 07/20/16 11:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.20	0.025	1
2-Methylnaphthalene	ND		mg/kg	0.24	0.024	1
2-Chloronaphthalene	ND		mg/kg	0.20	0.020	1
Acenaphthylene	ND		mg/kg	0.16	0.031	1
Acenaphthene	ND		mg/kg	0.16	0.021	1
Fluorene	ND		mg/kg	0.20	0.020	1
Phenanthrene	0.063	J	mg/kg	0.12	0.024	1
Anthracene	ND		mg/kg	0.12	0.039	1
Fluoranthene	0.16		mg/kg	0.12	0.023	1
Pyrene	0.15		mg/kg	0.12	0.020	1
Benzo(a)anthracene	0.10	J	mg/kg	0.12	0.023	1
Chrysene	0.096	J	mg/kg	0.12	0.021	1
Benzo(b)fluoranthene	0.14		mg/kg	0.12	0.034	1
Benzo(k)fluoranthene	0.049	J	mg/kg	0.12	0.032	1
Benzo(a)pyrene	0.10	J	mg/kg	0.16	0.049	1
Indeno(1,2,3-cd)pyrene	0.099	J	mg/kg	0.16	0.028	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.12	0.023	1
Benzo(ghi)perylene	0.089	J	mg/kg	0.16	0.024	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	76		18-120

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-02 D
Client ID: DP-158-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/27/16 10:02
Analyst: PS
Percent Solids: 86%

Date Collected: 07/20/16 11:50
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	1.5	0.18	8
2-Methylnaphthalene	ND		mg/kg	1.8	0.18	8
2-Chloronaphthalene	ND		mg/kg	1.5	0.15	8
Acenaphthylene	ND		mg/kg	1.2	0.23	8
Acenaphthene	0.19	J	mg/kg	1.2	0.16	8
Fluorene	0.19	J	mg/kg	1.5	0.15	8
Phenanthrene	1.3		mg/kg	0.90	0.18	8
Anthracene	0.43	J	mg/kg	0.90	0.29	8
Fluoranthene	1.7		mg/kg	0.90	0.17	8
Pyrene	1.5		mg/kg	0.90	0.15	8
Benzo(a)anthracene	0.97		mg/kg	0.90	0.17	8
Chrysene	0.85	J	mg/kg	0.90	0.16	8
Benzo(b)fluoranthene	1.8		mg/kg	0.90	0.25	8
Benzo(k)fluoranthene	0.57	J	mg/kg	0.90	0.24	8
Benzo(a)pyrene	1.3		mg/kg	1.2	0.37	8
Indeno(1,2,3-cd)pyrene	1.1	J	mg/kg	1.2	0.21	8
Dibenzo(a,h)anthracene	ND		mg/kg	0.90	0.17	8
Benzo(ghi)perylene	1.1	J	mg/kg	1.2	0.18	8

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	51		10-136
4-Terphenyl-d14	75		18-120

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-03 D
Client ID: DP-158-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/26/16 23:43
Analyst: ALS
Percent Solids: 85%

Date Collected: 07/20/16 12:15
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	0.50	J	mg/kg	0.97	0.12	5
2-Methylnaphthalene	0.21	J	mg/kg	1.2	0.12	5
2-Chloronaphthalene	ND		mg/kg	0.97	0.096	5
Acenaphthylene	0.22	J	mg/kg	0.78	0.15	5
Acenaphthene	0.20	J	mg/kg	0.78	0.10	5
Fluorene	0.32	J	mg/kg	0.97	0.094	5
Phenanthrene	2.9		mg/kg	0.58	0.12	5
Anthracene	0.76		mg/kg	0.58	0.19	5
Fluoranthene	3.6		mg/kg	0.58	0.11	5
Pyrene	3.1		mg/kg	0.58	0.096	5
Benzo(a)anthracene	1.4		mg/kg	0.58	0.11	5
Chrysene	1.5		mg/kg	0.58	0.10	5
Benzo(b)fluoranthene	1.9		mg/kg	0.58	0.16	5
Benzo(k)fluoranthene	0.63		mg/kg	0.58	0.16	5
Benzo(a)pyrene	1.5		mg/kg	0.78	0.24	5
Indeno(1,2,3-cd)pyrene	0.96		mg/kg	0.78	0.14	5
Dibenzo(a,h)anthracene	0.26	J	mg/kg	0.58	0.11	5
Benzo(ghi)perylene	0.83		mg/kg	0.78	0.11	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	75		18-120

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-04
Client ID: DP-151-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/27/16 05:20
Analyst: PS
Percent Solids: 80%

Date Collected: 07/20/16 12:30
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	0.032	J	mg/kg	0.20	0.025	1
2-Methylnaphthalene	0.027	J	mg/kg	0.25	0.025	1
2-Chloronaphthalene	ND		mg/kg	0.20	0.020	1
Acenaphthylene	0.036	J	mg/kg	0.16	0.032	1
Acenaphthene	0.070	J	mg/kg	0.16	0.021	1
Fluorene	0.076	J	mg/kg	0.20	0.020	1
Phenanthrene	1.1		mg/kg	0.12	0.025	1
Anthracene	0.23		mg/kg	0.12	0.040	1
Fluoranthene	0.90		mg/kg	0.12	0.024	1
Pyrene	0.76		mg/kg	0.12	0.020	1
Benzo(a)anthracene	0.44		mg/kg	0.12	0.023	1
Chrysene	0.40		mg/kg	0.12	0.021	1
Benzo(b)fluoranthene	0.35		mg/kg	0.12	0.034	1
Benzo(k)fluoranthene	0.16		mg/kg	0.12	0.033	1
Benzo(a)pyrene	0.28		mg/kg	0.16	0.050	1
Indeno(1,2,3-cd)pyrene	0.17		mg/kg	0.16	0.028	1
Dibenzo(a,h)anthracene	0.041	J	mg/kg	0.12	0.024	1
Benzo(ghi)perylene	0.14	J	mg/kg	0.16	0.024	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	88		18-120

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-05
Client ID: DP-151-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/27/16 08:45
Analyst: PS
Percent Solids: 81%

Date Collected: 07/20/16 12:35
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.20	0.025	1
2-Methylnaphthalene	ND		mg/kg	0.24	0.025	1
2-Chloronaphthalene	ND		mg/kg	0.20	0.020	1
Acenaphthylene	ND		mg/kg	0.16	0.032	1
Acenaphthene	0.048	J	mg/kg	0.16	0.021	1
Fluorene	0.042	J	mg/kg	0.20	0.020	1
Phenanthrene	0.44		mg/kg	0.12	0.025	1
Anthracene	0.12		mg/kg	0.12	0.040	1
Fluoranthene	0.54		mg/kg	0.12	0.023	1
Pyrene	0.43		mg/kg	0.12	0.020	1
Benzo(a)anthracene	0.26		mg/kg	0.12	0.023	1
Chrysene	0.23		mg/kg	0.12	0.021	1
Benzo(b)fluoranthene	0.26		mg/kg	0.12	0.034	1
Benzo(k)fluoranthene	0.078	J	mg/kg	0.12	0.033	1
Benzo(a)pyrene	0.21		mg/kg	0.16	0.050	1
Indeno(1,2,3-cd)pyrene	0.13	J	mg/kg	0.16	0.028	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.12	0.024	1
Benzo(ghi)perylene	0.13	J	mg/kg	0.16	0.024	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	81		18-120

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-06
Client ID: DP-151-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/27/16 09:11
Analyst: PS
Percent Solids: 85%

Date Collected: 07/20/16 12:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	0.74		mg/kg	0.19	0.023	1
2-Methylnaphthalene	0.52		mg/kg	0.23	0.023	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.019	1
Acenaphthylene	0.35		mg/kg	0.15	0.030	1
Acenaphthene	1.0		mg/kg	0.15	0.020	1
Fluorene	1.1		mg/kg	0.19	0.019	1
Phenanthrene	10.	E	mg/kg	0.12	0.023	1
Anthracene	2.4		mg/kg	0.12	0.038	1
Fluoranthene	9.9	E	mg/kg	0.12	0.022	1
Pyrene	8.5	E	mg/kg	0.12	0.019	1
Benzo(a)anthracene	4.6		mg/kg	0.12	0.022	1
Chrysene	4.2		mg/kg	0.12	0.020	1
Benzo(b)fluoranthene	4.1		mg/kg	0.12	0.032	1
Benzo(k)fluoranthene	1.4		mg/kg	0.12	0.031	1
Benzo(a)pyrene	3.2		mg/kg	0.15	0.047	1
Indeno(1,2,3-cd)pyrene	2.1		mg/kg	0.15	0.027	1
Dibenzo(a,h)anthracene	0.58		mg/kg	0.12	0.022	1
Benzo(ghi)perylene	1.5		mg/kg	0.15	0.023	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	84		18-120

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-06 D
Client ID: DP-151-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/27/16 16:15
Analyst: PS
Percent Solids: 85%

Date Collected: 07/20/16 12:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenanthrene	8.1		mg/kg	0.23	0.047	2
Fluoranthene	7.8		mg/kg	0.23	0.044	2
Pyrene	6.5		mg/kg	0.23	0.038	2

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-07
Client ID: DP-152-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/27/16 00:13
Analyst: PS
Percent Solids: 86%

Date Collected: 07/20/16 13:00
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.19	0.024	1
2-Methylnaphthalene	ND		mg/kg	0.23	0.023	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.019	1
Acenaphthylene	ND		mg/kg	0.16	0.030	1
Acenaphthene	ND		mg/kg	0.16	0.020	1
Fluorene	ND		mg/kg	0.19	0.019	1
Phenanthrene	ND		mg/kg	0.12	0.024	1
Anthracene	ND		mg/kg	0.12	0.038	1
Fluoranthene	ND		mg/kg	0.12	0.022	1
Pyrene	ND		mg/kg	0.12	0.019	1
Benzo(a)anthracene	ND		mg/kg	0.12	0.022	1
Chrysene	ND		mg/kg	0.12	0.020	1
Benzo(b)fluoranthene	ND		mg/kg	0.12	0.033	1
Benzo(k)fluoranthene	ND		mg/kg	0.12	0.031	1
Benzo(a)pyrene	ND		mg/kg	0.16	0.047	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.16	0.027	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.12	0.022	1
Benzo(ghi)perylene	ND		mg/kg	0.16	0.023	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	80		18-120

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-08
Client ID: DP-152-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/27/16 00:39
Analyst: PS
Percent Solids: 86%

Date Collected: 07/20/16 13:05
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.19	0.023	1
2-Methylnaphthalene	ND		mg/kg	0.23	0.023	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.030	1
Acenaphthene	ND		mg/kg	0.15	0.020	1
Fluorene	ND		mg/kg	0.19	0.019	1
Phenanthrene	ND		mg/kg	0.11	0.023	1
Anthracene	ND		mg/kg	0.11	0.037	1
Fluoranthene	ND		mg/kg	0.11	0.022	1
Pyrene	ND		mg/kg	0.11	0.019	1
Benzo(a)anthracene	ND		mg/kg	0.11	0.022	1
Chrysene	ND		mg/kg	0.11	0.020	1
Benzo(b)fluoranthene	ND		mg/kg	0.11	0.032	1
Benzo(k)fluoranthene	ND		mg/kg	0.11	0.031	1
Benzo(a)pyrene	ND		mg/kg	0.15	0.047	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.15	0.027	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.11	0.022	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	81		18-120

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-09
Client ID: DP-152-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/27/16 01:05
Analyst: PS
Percent Solids: 87%

Date Collected: 07/20/16 13:10
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.19	0.023	1
2-Methylnaphthalene	ND		mg/kg	0.22	0.023	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.018	1
Acenaphthylene	ND		mg/kg	0.15	0.029	1
Acenaphthene	ND		mg/kg	0.15	0.019	1
Fluorene	ND		mg/kg	0.19	0.018	1
Phenanthrene	ND		mg/kg	0.11	0.023	1
Anthracene	ND		mg/kg	0.11	0.036	1
Fluoranthene	ND		mg/kg	0.11	0.021	1
Pyrene	ND		mg/kg	0.11	0.019	1
Benzo(a)anthracene	ND		mg/kg	0.11	0.021	1
Chrysene	ND		mg/kg	0.11	0.019	1
Benzo(b)fluoranthene	ND		mg/kg	0.11	0.032	1
Benzo(k)fluoranthene	ND		mg/kg	0.11	0.030	1
Benzo(a)pyrene	ND		mg/kg	0.15	0.046	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.15	0.026	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.11	0.022	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	88		18-120

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-10
Client ID: DP-153-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/27/16 07:28
Analyst: PS
Percent Solids: 84%

Date Collected: 07/20/16 13:30
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.19	0.023	1
2-Methylnaphthalene	ND		mg/kg	0.23	0.023	1
2-Chloronaphthalene	ND		mg/kg	0.19	0.019	1
Acenaphthylene	ND		mg/kg	0.15	0.030	1
Acenaphthene	ND		mg/kg	0.15	0.020	1
Fluorene	ND		mg/kg	0.19	0.019	1
Phenanthrene	ND		mg/kg	0.12	0.023	1
Anthracene	ND		mg/kg	0.12	0.038	1
Fluoranthene	ND		mg/kg	0.12	0.022	1
Pyrene	ND		mg/kg	0.12	0.019	1
Benzo(a)anthracene	ND		mg/kg	0.12	0.022	1
Chrysene	ND		mg/kg	0.12	0.020	1
Benzo(b)fluoranthene	ND		mg/kg	0.12	0.032	1
Benzo(k)fluoranthene	ND		mg/kg	0.12	0.031	1
Benzo(a)pyrene	ND		mg/kg	0.15	0.047	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.15	0.027	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.12	0.022	1
Benzo(ghi)perylene	ND		mg/kg	0.15	0.023	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	84		18-120

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-11
Client ID: DP-153-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/27/16 09:36
Analyst: PS
Percent Solids: 79%

Date Collected: 07/20/16 13:35
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	0.42	J	mg/kg	1.0	0.13	5
2-Methylnaphthalene	0.36	J	mg/kg	1.3	0.13	5
2-Chloronaphthalene	ND		mg/kg	1.0	0.10	5
Acenaphthylene	ND		mg/kg	0.84	0.16	5
Acenaphthene	3.5		mg/kg	0.84	0.11	5
Fluorene	3.1		mg/kg	1.0	0.10	5
Phenanthrene	22.		mg/kg	0.63	0.13	5
Anthracene	7.5		mg/kg	0.63	0.20	5
Fluoranthene	36.		mg/kg	0.63	0.12	5
Pyrene	28.		mg/kg	0.63	0.10	5
Benzo(a)anthracene	16.		mg/kg	0.63	0.12	5
Chrysene	14.		mg/kg	0.63	0.11	5
Benzo(b)fluoranthene	15.		mg/kg	0.63	0.18	5
Benzo(k)fluoranthene	5.6		mg/kg	0.63	0.17	5
Benzo(a)pyrene	12.		mg/kg	0.84	0.26	5
Indeno(1,2,3-cd)pyrene	8.9		mg/kg	0.84	0.15	5
Dibenzo(a,h)anthracene	2.2		mg/kg	0.63	0.12	5
Benzo(ghi)perylene	7.1		mg/kg	0.84	0.12	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	103		25-120
Phenol-d6	111		10-120
Nitrobenzene-d5	**124**	Q	23-120
2-Fluorobiphenyl	109		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	97		18-120

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-12
Client ID: DP-153-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/27/16 04:55
Analyst: PS
Percent Solids: 62%

Date Collected: 07/20/16 13:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.26	0.032	1
2-Methylnaphthalene	ND		mg/kg	0.32	0.032	1
2-Chloronaphthalene	ND		mg/kg	0.26	0.026	1
Acenaphthylene	ND		mg/kg	0.21	0.040	1
Acenaphthene	ND		mg/kg	0.21	0.027	1
Fluorene	ND		mg/kg	0.26	0.026	1
Phenanthrene	0.14	J	mg/kg	0.16	0.032	1
Anthracene	ND		mg/kg	0.16	0.051	1
Fluoranthene	0.15	J	mg/kg	0.16	0.030	1
Pyrene	0.12	J	mg/kg	0.16	0.026	1
Benzo(a)anthracene	0.059	J	mg/kg	0.16	0.030	1
Chrysene	0.049	J	mg/kg	0.16	0.027	1
Benzo(b)fluoranthene	0.058	J	mg/kg	0.16	0.044	1
Benzo(k)fluoranthene	ND		mg/kg	0.16	0.042	1
Benzo(a)pyrene	ND		mg/kg	0.21	0.064	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.21	0.037	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.16	0.030	1
Benzo(ghi)perylene	0.033	J	mg/kg	0.21	0.031	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	86		18-120

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/22/16 17:12
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 07/22/16 00:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG915958-1					
Naphthalene	ND		mg/kg	0.16	0.020
2-Methylnaphthalene	ND		mg/kg	0.20	0.020
2-Chloronaphthalene	ND		mg/kg	0.16	0.016
Acenaphthylene	ND		mg/kg	0.13	0.025
Acenaphthene	ND		mg/kg	0.13	0.017
Fluorene	ND		mg/kg	0.16	0.016
Phenanthrene	ND		mg/kg	0.098	0.020
Anthracene	ND		mg/kg	0.098	0.032
Fluoranthene	ND		mg/kg	0.098	0.019
Pyrene	ND		mg/kg	0.098	0.016
Benzo(a)anthracene	ND		mg/kg	0.098	0.018
Chrysene	ND		mg/kg	0.098	0.017
Benzo(b)fluoranthene	ND		mg/kg	0.098	0.028
Benzo(k)fluoranthene	ND		mg/kg	0.098	0.026
Benzo(a)pyrene	ND		mg/kg	0.13	0.040
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.13	0.023
Dibenzo(a,h)anthracene	ND		mg/kg	0.098	0.019
Benzo(ghi)perylene	ND		mg/kg	0.13	0.019

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	99		30-120
2,4,6-Tribromophenol	45		10-136
4-Terphenyl-d14	98		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG915958-2 WG915958-3								
n-Nitrosodimethylamine	90		87		22-100	3		50
Pyridine	78		76		10-93	3		50
Benzaldehyde	75		74		40-140	1		50
Aniline	61		61		40-140	0		50
Phenol	**102**	Q	**99**	Q	26-90	3		50
Bis(2-chloroethyl)ether	96		92		40-140	4		50
2-Chlorophenol	100		97		25-102	3		50
Benzyl Alcohol	103		101		40-140	2		50
2-Methylphenol	104		101		30-130.	3		50
Bis(2-chloroisopropyl)ether	93		90		40-140	3		50
Acetophenone	107		104		14-144	3		50
n-Nitrosodi-n-propylamine	97		94		32-121	3		50
3-Methylphenol/4-Methylphenol	104		101		30-130	3		50
Hexachloroethane	82		86		40-140	5		50
Nitrobenzene	98		95		40-140	3		50
Isophorone	99		96		40-140	3		50
2-Nitrophenol	92		94		30-130	2		50
2,4-Dimethylphenol	105		102		30-130	3		50
Bis(2-chloroethoxy)methane	99		96		40-117	3		50
Benzoic Acid	32		39		10-123	20		50
2,4-Dichlorophenol	106		104		30-130	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG915958-2 WG915958-3								
1,2,4-Trichlorobenzene	96		94		38-107	2		50
Naphthalene	96		95		40-140	1		50
4-Chloroaniline	73		73		40-140	0		50
Hexachlorobutadiene	94		94		40-140	0		50
Caprolactam	101		105		15-130	4		50
p-Chloro-m-cresol	**105**	Q	**106**	Q	26-103	1		50
2-Methylnaphthalene	101		101		40-140	0		50
Hexachlorocyclopentadiene	63		76		40-140	19		50
1,2,4,5-Tetrachlorobenzene	97		97		40-117	0		50
2,4,6-Trichlorophenol	99		97		30-130	2		50
2,4,5-Trichlorophenol	100		100		30-130	0		50
Biphenyl	98		99		54-104	1		50
2-Chloronaphthalene	97		96		40-140	1		50
2-Nitroaniline	100		101		47-134	1		50
Dimethyl phthalate	98		98		40-140	0		50
2,6-Dinitrotoluene	100		101		40-140	1		50
Acenaphthylene	100		100		40-140	0		50
3-Nitroaniline	85		86		26-129	1		50
Acenaphthene	98		101		31-137	3		50
2,4-Dinitrophenol	56		61		4-130	9		50
4-Nitrophenol	105		107		11-114	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG915958-2 WG915958-3								
2,4-Dinitrotoluene	**101**	Q	**104**	Q	28-89	3		50
Dibenzofuran	97		98		40-140	1		50
2,3,4,6-Tetrachlorophenol	95		99		58-132	4		50
Diethyl phthalate	98		99		40-140	1		50
Fluorene	98		98		40-140	0		50
4-Chlorophenyl phenyl ether	96		97		40-140	1		50
4-Nitroaniline	94		94		41-125	0		50
4,6-Dinitro-o-cresol	68		68		10-130	0		50
NDPA/DPA	98		99		36-157	1		50
Azobenzene	100		101		40-140	1		50
4-Bromophenyl phenyl ether	94		95		40-140	1		50
Hexachlorobenzene	94		96		40-140	2		50
Pentachlorophenol	77		79		17-109	3		50
Atrazine	107		108		40-140	1		50
Phenanthrene	96		97		40-140	1		50
Anthracene	98		98		40-140	0		50
Carbazole	98		99		54-128	1		50
Di-n-butylphthalate	101		101		40-140	0		50
Fluoranthene	101		100		40-140	1		50
Benzidine	53		56		10-66	6		50
Pyrene	96		94		35-142	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG915958-2 WG915958-3								
Butyl benzyl phthalate	103		100		40-140	3		50
3,3'-Dichlorobenzidine	73		75		40-140	3		50
Benzo(a)anthracene	97		97		40-140	0		50
Chrysene	95		96		40-140	1		50
Bis(2-ethylhexyl)phthalate	98		100		40-140	2		50
Di-n-octylphthalate	97		100		40-140	3		50
Benzo(b)fluoranthene	97		99		40-140	2		50
Benzo(k)fluoranthene	100		100		40-140	0		50
Benzo(a)pyrene	99		100		40-140	1		50
Indeno(1,2,3-cd)pyrene	86		91		40-140	6		50
Dibenzo(a,h)anthracene	94		96		40-140	2		50
Benzo(ghi)perylene	104		120		40-140	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	97		93		25-120
Phenol-d6	105		100		10-120
Nitrobenzene-d5	97		93		23-120
2-Fluorobiphenyl	96		96		30-120
2,4,6-Tribromophenol	88		88		10-136
4-Terphenyl-d14	91		90		18-120

PETROLEUM HYDROCARBONS

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-01
Client ID: DP-158-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/23/16 18:37
Analyst: DG
Percent Solids: 82%

Date Collected: 07/20/16 11:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	109.		mg/kg	39.3	3.94	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	90		40-140

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-01
Client ID: DP-158-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 17:24
Analyst: JM
Percent Solids: 82%

Date Collected: 07/20/16 11:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	0.98	J	mg/kg	2.9	0.056	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	97		70-130
4-Bromofluorobenzene	94		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-02
Client ID: DP-158-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 19:27
Analyst: JM
Percent Solids: 86%

Date Collected: 07/20/16 11:50
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1.0	J	mg/kg	2.9	0.055	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	90		70-130
4-Bromofluorobenzene	91		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-02 D
Client ID: DP-158-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 20:18
Analyst: DG
Percent Solids: 86%

Date Collected: 07/20/16 11:50
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	23400		mg/kg	3710	372.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	**0**	Q	40-140

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-03
Client ID: DP-158-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 20:07
Analyst: JM
Percent Solids: 85%

Date Collected: 07/20/16 12:15
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		mg/kg	2.7	0.053	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	92		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-03 D
Client ID: DP-158-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 11:27
Analyst: DG
Percent Solids: 85%

Date Collected: 07/20/16 12:15
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	12800		mg/kg	1940	195.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	**0**	Q	40-140

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-04
Client ID: DP-151-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 20:48
Analyst: JM
Percent Solids: 80%

Date Collected: 07/20/16 12:30
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		mg/kg	3.0	0.058	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	95		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-04 D
Client ID: DP-151-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 12:33
Analyst: DG
Percent Solids: 80%

Date Collected: 07/20/16 12:30
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	789.		mg/kg	202	20.2	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	102		40-140

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-05
Client ID: DP-151-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 21:29
Analyst: JM
Percent Solids: 81%

Date Collected: 07/20/16 12:35
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		mg/kg	2.9	0.055	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	94		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-05 D
Client ID: DP-151-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/23/16 19:42
Analyst: DG
Percent Solids: 81%

Date Collected: 07/20/16 12:35
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	625.		mg/kg	77.8	7.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	62		40-140

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-06
Client ID: DP-151-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 22:10
Analyst: JM
Percent Solids: 85%

Date Collected: 07/20/16 12:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		mg/kg	2.8	0.055	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	96		70-130
4-Bromofluorobenzene	92		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-06 D
Client ID: DP-151-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/23/16 20:15
Analyst: DG
Percent Solids: 85%

Date Collected: 07/20/16 12:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	305.		mg/kg	76.5	7.67	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	99		40-140

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-07
Client ID: DP-152-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/23/16 16:59
Analyst: DG
Percent Solids: 86%

Date Collected: 07/20/16 13:00
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	7.44	J	mg/kg	38.3	3.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		40-140

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-07
Client ID: DP-152-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 22:51
Analyst: JM
Percent Solids: 86%

Date Collected: 07/20/16 13:00
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		mg/kg	2.8	0.055	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	97		70-130
4-Bromofluorobenzene	95		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-08
Client ID: DP-152-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/23/16 15:53
Analyst: DG
Percent Solids: 86%

Date Collected: 07/20/16 13:05
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	7.86	J	mg/kg	37.2	3.73	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	101		40-140

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-08
Client ID: DP-152-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 23:31
Analyst: JM
Percent Solids: 86%

Date Collected: 07/20/16 13:05
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		mg/kg	2.7	0.052	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	97		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-09
Client ID: DP-152-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/23/16 16:26
Analyst: DG
Percent Solids: 87%

Date Collected: 07/20/16 13:10
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	7.67	J	mg/kg	36.9	3.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	96		40-140

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-09
Client ID: DP-152-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/26/16 00:12
Analyst: JM
Percent Solids: 87%

Date Collected: 07/20/16 13:10
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		mg/kg	2.7	0.053	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	97		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-10
Client ID: DP-153-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/23/16 18:04
Analyst: DG
Percent Solids: 84%

Date Collected: 07/20/16 13:30
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	13.7	J	mg/kg	38.2	3.83	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	101		40-140

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-10
Client ID: DP-153-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/26/16 00:53
Analyst: JM
Percent Solids: 84%

Date Collected: 07/20/16 13:30
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		mg/kg	2.4	0.046	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	97		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-11
Client ID: DP-153-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/26/16 01:33
Analyst: JM
Percent Solids: 79%

Date Collected: 07/20/16 13:35
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1.1	J	mg/kg	3.0	0.059	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	94		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-11 D
Client ID: DP-153-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 12:00
Analyst: DG
Percent Solids: 79%

Date Collected: 07/20/16 13:35
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	3790		mg/kg	808	80.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	57		40-140

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-12
Client ID: DP-153-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/23/16 17:31
Analyst: DG
Percent Solids: 62%

Date Collected: 07/20/16 13:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	22.2	J	mg/kg	50.8	5.09	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		40-140

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-12
Client ID: DP-153-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 07/26/16 02:14
Analyst: JM
Percent Solids: 62%

Date Collected: 07/20/16 13:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		mg/kg	3.9	0.076	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	94		70-130

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 07/23/16 15:21
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 07/22/16 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-12 Batch: WG915981-1					
DROD (C9-C44)	5.45	J	mg/kg	32.6	3.26

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	99		40-140

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 07/25/16 16:43
Analyst: JM

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01-12 Batch: WG916965-3					
Gasoline Range Organics	0.91	J	mg/kg	2.5	0.048

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	96		70-130
4-Bromofluorobenzene	92		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-12 Batch: WG915981-2								
Total Petroleum Hydrocarbons (C9-C44)	99		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	103				40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 01-12		Batch: WG916965-1		WG916965-2			
Gasoline Range Organics	90		97		80-120	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	103		110		70-130
4-Bromofluorobenzene	93		100		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG916965-5 QC Sample: L1622592-01 Client ID: DP-158-SO-010-01												
Gasoline Range Organics	0.98J	23.4	21	90		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	97				70-130
4-Bromofluorobenzene	87				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG915981-3 QC Sample: L1622592-02 Client ID: DP-158-SO-050-01						
DROD (C9-C44)	23400	13600	mg/kg	**53**	Q	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	**0**	Q	**0**	Q	40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG916965-4 QC Sample: L1622592-01 Client ID: DP-158-SO-010-01					
Gasoline Range Organics	0.98J	0.94J	mg/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	97		90		70-130
4-Bromofluorobenzene	94		85		70-130

PCBS

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-01
Client ID: DP-158-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/16 19:29
Analyst: JW
Percent Solids: 82%

Date Collected: 07/20/16 11:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 01:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0388	0.00307	1	A
Aroclor 1221	ND		mg/kg	0.0388	0.00358	1	A
Aroclor 1232	ND		mg/kg	0.0388	0.00455	1	A
Aroclor 1242	0.0819		mg/kg	0.0388	0.00475	1	B
Aroclor 1248	ND		mg/kg	0.0388	0.00328	1	A
Aroclor 1254	ND		mg/kg	0.0388	0.00319	1	A
Aroclor 1260	ND		mg/kg	0.0388	0.00296	1	A
Aroclor 1262	ND		mg/kg	0.0388	0.00193	1	A
Aroclor 1268	ND		mg/kg	0.0388	0.00563	1	A
PCBs, Total	0.0819		mg/kg	0.0388	0.00193	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	40		30-150	B

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-02 D
Client ID: DP-158-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/26/16 15:16
Analyst: KB
Percent Solids: 86%

Date Collected: 07/20/16 11:50
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 01:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.748	0.0591	20	A
Aroclor 1221	ND		mg/kg	0.748	0.0690	20	A
Aroclor 1232	ND		mg/kg	0.748	0.0877	20	A
Aroclor 1242	ND		mg/kg	0.748	0.0916	20	A
Aroclor 1248	3.51		mg/kg	0.748	0.0631	20	A
Aroclor 1254	1.74		mg/kg	0.748	0.0615	20	B
Aroclor 1260	0.518	J	mg/kg	0.748	0.0570	20	A
Aroclor 1262	ND		mg/kg	0.748	0.0371	20	A
Aroclor 1268	ND		mg/kg	0.748	0.108	20	A
PCBs, Total	5.77	J	mg/kg	0.748	0.0371	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-03
Client ID: DP-158-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/16 19:56
Analyst: JW
Percent Solids: 85%

Date Collected: 07/20/16 12:15
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 01:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0390	0.00308	1	A
Aroclor 1221	ND		mg/kg	0.0390	0.00360	1	A
Aroclor 1232	ND		mg/kg	0.0390	0.00457	1	A
Aroclor 1242	ND		mg/kg	0.0390	0.00478	1	A
Aroclor 1248	ND		mg/kg	0.0390	0.00329	1	A
Aroclor 1254	0.190		mg/kg	0.0390	0.00321	1	B
Aroclor 1260	0.0698		mg/kg	0.0390	0.00297	1	B
Aroclor 1262	ND		mg/kg	0.0390	0.00194	1	A
Aroclor 1268	ND		mg/kg	0.0390	0.00566	1	A
PCBs, Total	0.260		mg/kg	0.0390	0.00194	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	31		30-150	A
Decachlorobiphenyl	**29**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-04
Client ID: DP-151-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/16 20:10
Analyst: JW
Percent Solids: 80%

Date Collected: 07/20/16 12:30
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 01:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0398	0.00314	1	A
Aroclor 1221	ND		mg/kg	0.0398	0.00367	1	A
Aroclor 1232	ND		mg/kg	0.0398	0.00466	1	A
Aroclor 1242	ND		mg/kg	0.0398	0.00487	1	A
Aroclor 1248	ND		mg/kg	0.0398	0.00336	1	A
Aroclor 1254	ND		mg/kg	0.0398	0.00327	1	A
Aroclor 1260	ND		mg/kg	0.0398	0.00303	1	A
Aroclor 1262	ND		mg/kg	0.0398	0.00197	1	A
Aroclor 1268	ND		mg/kg	0.0398	0.00577	1	A
PCBs, Total	ND		mg/kg	0.0398	0.00197	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-05
Client ID: DP-151-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/16 20:24
Analyst: JW
Percent Solids: 81%

Date Collected: 07/20/16 12:35
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 01:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0389	0.00308	1	A
Aroclor 1221	ND		mg/kg	0.0389	0.00359	1	A
Aroclor 1232	ND		mg/kg	0.0389	0.00456	1	A
Aroclor 1242	ND		mg/kg	0.0389	0.00477	1	A
Aroclor 1248	ND		mg/kg	0.0389	0.00329	1	A
Aroclor 1254	ND		mg/kg	0.0389	0.00320	1	A
Aroclor 1260	ND		mg/kg	0.0389	0.00297	1	A
Aroclor 1262	ND		mg/kg	0.0389	0.00193	1	A
Aroclor 1268	ND		mg/kg	0.0389	0.00565	1	A
PCBs, Total	ND		mg/kg	0.0389	0.00193	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-06
Client ID: DP-151-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/16 20:37
Analyst: JW
Percent Solids: 85%

Date Collected: 07/20/16 12:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 01:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0378	0.00299	1	A
Aroclor 1221	ND		mg/kg	0.0378	0.00349	1	A
Aroclor 1232	ND		mg/kg	0.0378	0.00443	1	A
Aroclor 1242	ND		mg/kg	0.0378	0.00463	1	A
Aroclor 1248	ND		mg/kg	0.0378	0.00319	1	A
Aroclor 1254	ND		mg/kg	0.0378	0.00311	1	A
Aroclor 1260	ND		mg/kg	0.0378	0.00288	1	A
Aroclor 1262	ND		mg/kg	0.0378	0.00188	1	A
Aroclor 1268	ND		mg/kg	0.0378	0.00548	1	A
PCBs, Total	ND		mg/kg	0.0378	0.00188	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-07
Client ID: DP-152-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/16 20:51
Analyst: JW
Percent Solids: 86%

Date Collected: 07/20/16 13:00
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 01:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0382	0.00302	1	A
Aroclor 1221	ND		mg/kg	0.0382	0.00352	1	A
Aroclor 1232	ND		mg/kg	0.0382	0.00448	1	A
Aroclor 1242	ND		mg/kg	0.0382	0.00467	1	A
Aroclor 1248	ND		mg/kg	0.0382	0.00322	1	A
Aroclor 1254	ND		mg/kg	0.0382	0.00314	1	A
Aroclor 1260	ND		mg/kg	0.0382	0.00291	1	A
Aroclor 1262	ND		mg/kg	0.0382	0.00189	1	A
Aroclor 1268	ND		mg/kg	0.0382	0.00554	1	A
PCBs, Total	ND		mg/kg	0.0382	0.00189	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-08
Client ID: DP-152-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/16 21:05
Analyst: JW
Percent Solids: 86%

Date Collected: 07/20/16 13:05
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 01:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0370	0.00292	1	A
Aroclor 1221	ND		mg/kg	0.0370	0.00341	1	A
Aroclor 1232	ND		mg/kg	0.0370	0.00433	1	A
Aroclor 1242	ND		mg/kg	0.0370	0.00452	1	A
Aroclor 1248	ND		mg/kg	0.0370	0.00312	1	A
Aroclor 1254	ND		mg/kg	0.0370	0.00304	1	A
Aroclor 1260	ND		mg/kg	0.0370	0.00282	1	A
Aroclor 1262	ND		mg/kg	0.0370	0.00183	1	A
Aroclor 1268	ND		mg/kg	0.0370	0.00536	1	A
PCBs, Total	ND		mg/kg	0.0370	0.00183	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-09
Client ID: DP-152-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/16 21:18
Analyst: JW
Percent Solids: 87%

Date Collected: 07/20/16 13:10
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 01:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0375	0.00296	1	A
Aroclor 1221	ND		mg/kg	0.0375	0.00346	1	A
Aroclor 1232	ND		mg/kg	0.0375	0.00440	1	A
Aroclor 1242	ND		mg/kg	0.0375	0.00459	1	A
Aroclor 1248	ND		mg/kg	0.0375	0.00317	1	A
Aroclor 1254	ND		mg/kg	0.0375	0.00308	1	A
Aroclor 1260	ND		mg/kg	0.0375	0.00286	1	A
Aroclor 1262	ND		mg/kg	0.0375	0.00186	1	A
Aroclor 1268	ND		mg/kg	0.0375	0.00544	1	A
PCBs, Total	ND		mg/kg	0.0375	0.00186	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-10
Client ID: DP-153-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/16 21:32
Analyst: JW
Percent Solids: 84%

Date Collected: 07/20/16 13:30
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 01:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0385	0.00304	1	A
Aroclor 1221	ND		mg/kg	0.0385	0.00355	1	A
Aroclor 1232	ND		mg/kg	0.0385	0.00451	1	A
Aroclor 1242	ND		mg/kg	0.0385	0.00471	1	A
Aroclor 1248	ND		mg/kg	0.0385	0.00325	1	A
Aroclor 1254	ND		mg/kg	0.0385	0.00316	1	A
Aroclor 1260	ND		mg/kg	0.0385	0.00293	1	A
Aroclor 1262	ND		mg/kg	0.0385	0.00191	1	A
Aroclor 1268	ND		mg/kg	0.0385	0.00558	1	A
PCBs, Total	ND		mg/kg	0.0385	0.00191	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-11 D
Client ID: DP-153-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/26/16 15:02
Analyst: KB
Percent Solids: 79%

Date Collected: 07/20/16 13:35
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 01:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.207	0.0164	5	A
Aroclor 1221	ND		mg/kg	0.207	0.0191	5	A
Aroclor 1232	ND		mg/kg	0.207	0.0243	5	A
Aroclor 1242	1.12		mg/kg	0.207	0.0253	5	B
Aroclor 1248	ND		mg/kg	0.207	0.0175	5	A
Aroclor 1254	0.336		mg/kg	0.207	0.0170	5	B
Aroclor 1260	0.140	J	mg/kg	0.207	0.0158	5	A
Aroclor 1262	ND		mg/kg	0.207	0.0103	5	A
Aroclor 1268	ND		mg/kg	0.207	0.0300	5	A
PCBs, Total	1.60	J	mg/kg	0.207	0.0103	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	**27**	Q	30-150	B

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-12
Client ID: DP-153-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/16 22:00
Analyst: JW
Percent Solids: 62%

Date Collected: 07/20/16 13:40
Date Received: 07/20/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 07/22/16 01:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0528	0.00417	1	A
Aroclor 1221	ND		mg/kg	0.0528	0.00487	1	A
Aroclor 1232	ND		mg/kg	0.0528	0.00618	1	A
Aroclor 1242	ND		mg/kg	0.0528	0.00646	1	A
Aroclor 1248	ND		mg/kg	0.0528	0.00445	1	A
Aroclor 1254	ND		mg/kg	0.0528	0.00434	1	A
Aroclor 1260	ND		mg/kg	0.0528	0.00402	1	A
Aroclor 1262	ND		mg/kg	0.0528	0.00262	1	A
Aroclor 1268	ND		mg/kg	0.0528	0.00765	1	A
PCBs, Total	ND		mg/kg	0.0528	0.00262	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/22/16 17:03
Analyst: JA

Extraction Method: EPA 3546
Extraction Date: 07/21/16 16:26
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/16
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-12 Batch: WG915871-1						
Aroclor 1016	ND		mg/kg	0.0329	0.00260	A
Aroclor 1221	ND		mg/kg	0.0329	0.00303	A
Aroclor 1232	ND		mg/kg	0.0329	0.00385	A
Aroclor 1242	ND		mg/kg	0.0329	0.00402	A
Aroclor 1248	ND		mg/kg	0.0329	0.00277	A
Aroclor 1254	ND		mg/kg	0.0329	0.00270	A
Aroclor 1260	ND		mg/kg	0.0329	0.00250	A
Aroclor 1262	ND		mg/kg	0.0329	0.00163	A
Aroclor 1268	ND		mg/kg	0.0329	0.00477	A
PCBs, Total	ND		mg/kg	0.0329	0.00163	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: DC UNITED

Project Number: 40223-004

Lab Number: L1622592

Report Date: 08/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG915871-2 WG915871-3									
Aroclor 1016	72		56		40-140	25		50	A
Aroclor 1260	54		41		40-140	27		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		64		30-150	A
Decachlorobiphenyl	61		43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		75		30-150	B
Decachlorobiphenyl	59		50		30-150	B

METALS

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-01
Client ID: DP-158-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Percent Solids: 82%

Date Collected: 07/20/16 11:40
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7600		mg/kg	9.4	1.8	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Antimony, Total	54		mg/kg	4.7	0.75	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Arsenic, Total	29		mg/kg	0.94	0.31	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Barium, Total	730		mg/kg	0.94	0.25	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Beryllium, Total	0.47		mg/kg	0.47	0.10	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Cadmium, Total	93		mg/kg	0.94	0.07	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Calcium, Total	19000		mg/kg	9.4	2.6	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Chromium, Total	350		mg/kg	0.94	0.16	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Cobalt, Total	130		mg/kg	1.9	0.46	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Copper, Total	1900		mg/kg	0.94	0.17	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Iron, Total	210000		mg/kg	47	15.	20	07/22/16 06:35	07/25/16 22:30	EPA 3050B	1,6010C	AB
Lead, Total	5500		mg/kg	4.7	0.20	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Magnesium, Total	2500		mg/kg	9.4	1.2	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Manganese, Total	1300		mg/kg	0.94	0.22	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Mercury, Total	23		mg/kg	1.5	0.32	20	07/22/16 11:10	07/26/16 17:32	EPA 7471B	1,7471B	BV
Nickel, Total	1100		mg/kg	2.3	0.37	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Potassium, Total	1000		mg/kg	230	26.	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Selenium, Total	6.2		mg/kg	1.9	0.25	2	07/22/16 06:35	08/03/16 11:21	EPA 3050B	1,6010C	PS
Silver, Total	2.4		mg/kg	0.94	0.19	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Sodium, Total	1400		mg/kg	190	16.	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.9	0.30	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Vanadium, Total	41		mg/kg	0.94	0.08	2	07/22/16 06:35	07/25/16 19:31	EPA 3050B	1,6010C	AB
Zinc, Total	21000		mg/kg	47	6.6	20	07/22/16 06:35	07/25/16 22:30	EPA 3050B	1,6010C	AB

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-02
Client ID: DP-158-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Percent Solids: 86%

Date Collected: 07/20/16 11:50
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7100		mg/kg	9.0	1.8	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Antimony, Total	6.1		mg/kg	4.5	0.72	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Arsenic, Total	26		mg/kg	0.90	0.30	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Barium, Total	300		mg/kg	0.90	0.24	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Beryllium, Total	0.27	J	mg/kg	0.45	0.10	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Cadmium, Total	8.4		mg/kg	0.90	0.06	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Calcium, Total	44000		mg/kg	9.0	2.5	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Chromium, Total	120		mg/kg	0.90	0.15	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Cobalt, Total	15		mg/kg	1.8	0.44	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Copper, Total	2700		mg/kg	0.90	0.16	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Iron, Total	130000		mg/kg	23	7.1	10	07/22/16 06:35	07/26/16 11:38	EPA 3050B	1,6010C	PS
Lead, Total	1900		mg/kg	4.5	0.20	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Magnesium, Total	3200		mg/kg	9.0	1.2	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Manganese, Total	790		mg/kg	0.90	0.22	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Mercury, Total	2.9		mg/kg	0.37	0.08	5	07/22/16 11:10	07/26/16 17:23	EPA 7471B	1,7471B	BV
Nickel, Total	93		mg/kg	2.3	0.36	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Potassium, Total	870		mg/kg	230	25.	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.8	0.24	2	07/22/16 06:35	08/03/16 12:39	EPA 3050B	1,6010C	PS
Silver, Total	1.8		mg/kg	0.90	0.18	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Sodium, Total	360		mg/kg	180	15.	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.8	0.29	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Vanadium, Total	54		mg/kg	0.90	0.08	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB
Zinc, Total	8800		mg/kg	4.5	0.63	2	07/22/16 06:35	07/25/16 23:27	EPA 3050B	1,6010C	AB

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-03
Client ID: DP-158-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Percent Solids: 85%

Date Collected: 07/20/16 12:15
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9000		mg/kg	9.2	1.8	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.6	0.74	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Arsenic, Total	9.0		mg/kg	0.92	0.30	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Barium, Total	52		mg/kg	0.92	0.25	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Beryllium, Total	0.40	J	mg/kg	0.46	0.10	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.92	0.06	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Calcium, Total	1600		mg/kg	9.2	2.5	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Chromium, Total	20		mg/kg	0.92	0.16	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Cobalt, Total	8.1		mg/kg	1.8	0.45	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Copper, Total	420		mg/kg	0.92	0.16	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Iron, Total	24000		mg/kg	4.6	1.4	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Lead, Total	600		mg/kg	4.6	0.20	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Magnesium, Total	450		mg/kg	9.2	1.2	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Manganese, Total	280		mg/kg	0.92	0.22	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Mercury, Total	0.37		mg/kg	0.07	0.02	1	07/22/16 11:10	07/26/16 15:26	EPA 7471B	1,7471B	BV
Nickel, Total	6.3		mg/kg	2.3	0.37	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Potassium, Total	590		mg/kg	230	26.	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.8	0.25	2	07/22/16 06:35	08/03/16 12:44	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.92	0.18	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Sodium, Total	80	J	mg/kg	180	15.	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.8	0.29	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Vanadium, Total	34		mg/kg	0.92	0.08	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB
Zinc, Total	100		mg/kg	4.6	0.64	2	07/22/16 06:35	07/25/16 23:32	EPA 3050B	1,6010C	AB

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-04
Client ID: DP-151-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Percent Solids: 80%

Date Collected: 07/20/16 12:30
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6200		mg/kg	9.6	1.9	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.8	0.77	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Arsenic, Total	5.9		mg/kg	0.96	0.32	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Barium, Total	38		mg/kg	0.96	0.26	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Beryllium, Total	0.38	J	mg/kg	0.48	0.10	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.96	0.07	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Calcium, Total	3700		mg/kg	9.6	2.6	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Chromium, Total	11		mg/kg	0.96	0.16	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Cobalt, Total	5.7		mg/kg	1.9	0.47	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Copper, Total	10		mg/kg	0.96	0.17	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Iron, Total	14000		mg/kg	4.8	1.5	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Lead, Total	24		mg/kg	4.8	0.21	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Magnesium, Total	830		mg/kg	9.6	1.3	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Manganese, Total	170		mg/kg	0.96	0.23	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Mercury, Total	0.06	J	mg/kg	0.08	0.02	1	07/22/16 11:10	07/26/16 15:28	EPA 7471B	1,7471B	BV
Nickel, Total	6.8		mg/kg	2.4	0.38	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Potassium, Total	440		mg/kg	240	27.	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.9	0.26	2	07/22/16 06:35	08/03/16 13:13	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.96	0.19	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Sodium, Total	27	J	mg/kg	190	16.	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.9	0.31	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Vanadium, Total	19		mg/kg	0.96	0.09	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB
Zinc, Total	33		mg/kg	4.8	0.67	2	07/22/16 06:35	07/25/16 23:36	EPA 3050B	1,6010C	AB

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-05
Client ID: DP-151-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Percent Solids: 81%

Date Collected: 07/20/16 12:35
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7700		mg/kg	9.8	1.9	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.9	0.78	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Arsenic, Total	6.2		mg/kg	0.98	0.32	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Barium, Total	67		mg/kg	0.98	0.26	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Beryllium, Total	0.59		mg/kg	0.49	0.11	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.98	0.07	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Calcium, Total	2800		mg/kg	9.8	2.7	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Chromium, Total	16		mg/kg	0.98	0.17	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Cobalt, Total	13		mg/kg	2.0	0.48	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Copper, Total	12		mg/kg	0.98	0.18	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Iron, Total	19000		mg/kg	4.9	1.5	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Lead, Total	30		mg/kg	4.9	0.22	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Magnesium, Total	830		mg/kg	9.8	1.3	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Manganese, Total	270		mg/kg	0.98	0.23	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Mercury, Total	0.43		mg/kg	0.08	0.02	1	07/22/16 11:10	07/26/16 15:30	EPA 7471B	1,7471B	BV
Nickel, Total	7.4		mg/kg	2.4	0.39	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Potassium, Total	640		mg/kg	240	27.	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	2.0	0.26	2	07/22/16 06:35	08/03/16 13:17	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.98	0.20	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Sodium, Total	74	J	mg/kg	200	16.	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	2.0	0.31	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Vanadium, Total	27		mg/kg	0.98	0.09	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB
Zinc, Total	36		mg/kg	4.9	0.68	2	07/22/16 06:35	07/25/16 23:40	EPA 3050B	1,6010C	AB

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-06
Client ID: DP-151-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Percent Solids: 85%

Date Collected: 07/20/16 12:40
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7900		mg/kg	9.1	1.8	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Antimony, Total	1.1	J	mg/kg	4.6	0.73	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Arsenic, Total	15		mg/kg	0.91	0.30	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Barium, Total	340		mg/kg	0.91	0.24	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Beryllium, Total	0.66		mg/kg	0.46	0.10	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.91	0.06	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Calcium, Total	7300		mg/kg	9.1	2.5	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Chromium, Total	26		mg/kg	0.91	0.15	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Cobalt, Total	7.8		mg/kg	1.8	0.45	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Copper, Total	89		mg/kg	0.91	0.16	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Iron, Total	28000		mg/kg	4.6	1.4	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Lead, Total	750		mg/kg	4.6	0.20	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Magnesium, Total	900		mg/kg	9.1	1.2	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Manganese, Total	360		mg/kg	0.91	0.22	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Mercury, Total	8.4		mg/kg	0.74	0.16	10	07/22/16 11:10	07/26/16 17:27	EPA 7471B	1,7471B	BV
Nickel, Total	12		mg/kg	2.3	0.36	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Potassium, Total	720		mg/kg	230	26.	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Selenium, Total	0.29	J	mg/kg	1.8	0.24	2	07/22/16 06:35	08/03/16 13:21	EPA 3050B	1,6010C	PS
Silver, Total	0.46	J	mg/kg	0.91	0.18	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Sodium, Total	170	J	mg/kg	180	15.	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.8	0.29	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Vanadium, Total	26		mg/kg	0.91	0.08	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB
Zinc, Total	330		mg/kg	4.6	0.64	2	07/22/16 06:35	07/26/16 00:11	EPA 3050B	1,6010C	AB

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-07
Client ID: DP-152-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Percent Solids: 86%

Date Collected: 07/20/16 13:00
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	16000		mg/kg	9.3	1.8	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.6	0.74	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Arsenic, Total	9.2		mg/kg	0.93	0.31	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Barium, Total	60		mg/kg	0.93	0.25	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Beryllium, Total	0.59		mg/kg	0.46	0.10	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.93	0.07	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Calcium, Total	1500		mg/kg	9.3	2.6	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Chromium, Total	22		mg/kg	0.93	0.16	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Cobalt, Total	11		mg/kg	1.9	0.46	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Copper, Total	14		mg/kg	0.93	0.17	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Iron, Total	28000		mg/kg	4.6	1.5	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Lead, Total	35		mg/kg	4.6	0.20	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Magnesium, Total	1800		mg/kg	9.3	1.2	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Manganese, Total	460		mg/kg	0.93	0.22	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Mercury, Total	0.09		mg/kg	0.08	0.02	1	07/22/16 11:10	07/26/16 15:36	EPA 7471B	1,7471B	BV
Nickel, Total	12		mg/kg	2.3	0.37	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Potassium, Total	890		mg/kg	230	26.	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.9	0.25	2	07/22/16 06:35	08/03/16 13:25	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.93	0.19	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Sodium, Total	26	J	mg/kg	190	16.	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.9	0.30	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Vanadium, Total	34		mg/kg	0.93	0.08	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB
Zinc, Total	54		mg/kg	4.6	0.65	2	07/22/16 06:35	07/26/16 00:16	EPA 3050B	1,6010C	AB

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-08
Client ID: DP-152-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Percent Solids: 86%

Date Collected: 07/20/16 13:05
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15000		mg/kg	9.2	1.8	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.6	0.74	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Arsenic, Total	9.2		mg/kg	0.92	0.30	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Barium, Total	65		mg/kg	0.92	0.25	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Beryllium, Total	0.59		mg/kg	0.46	0.10	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.92	0.06	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Calcium, Total	1400		mg/kg	9.2	2.5	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Chromium, Total	19		mg/kg	0.92	0.16	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Cobalt, Total	9.7		mg/kg	1.8	0.45	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Copper, Total	16		mg/kg	0.92	0.16	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Iron, Total	27000		mg/kg	4.6	1.4	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Lead, Total	790		mg/kg	4.6	0.20	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Magnesium, Total	1800		mg/kg	9.2	1.2	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Manganese, Total	360		mg/kg	0.92	0.22	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Mercury, Total	0.08		mg/kg	0.08	0.02	1	07/22/16 11:10	07/26/16 15:38	EPA 7471B	1,7471B	BV
Nickel, Total	12		mg/kg	2.3	0.37	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Potassium, Total	770		mg/kg	230	26.	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.8	0.25	2	07/22/16 06:35	08/03/16 13:30	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.92	0.18	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Sodium, Total	27	J	mg/kg	180	15.	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.8	0.29	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Vanadium, Total	31		mg/kg	0.92	0.08	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB
Zinc, Total	52		mg/kg	4.6	0.64	2	07/22/16 06:35	07/26/16 00:20	EPA 3050B	1,6010C	AB

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-09
Client ID: DP-152-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Percent Solids: 87%

Date Collected: 07/20/16 13:10
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9500		mg/kg	8.8	1.7	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.4	0.70	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Arsenic, Total	5.9		mg/kg	0.88	0.29	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Barium, Total	30		mg/kg	0.88	0.24	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Beryllium, Total	0.52		mg/kg	0.44	0.10	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	4.4	0.31	10	07/22/16 06:35	07/26/16 11:43	EPA 3050B	1,6010C	PS
Calcium, Total	2400		mg/kg	8.8	2.4	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Chromium, Total	18		mg/kg	0.88	0.15	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Cobalt, Total	8.0		mg/kg	1.8	0.43	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Copper, Total	20		mg/kg	0.88	0.16	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Iron, Total	38000		mg/kg	4.4	1.4	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Lead, Total	7.1		mg/kg	4.4	0.19	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Magnesium, Total	950		mg/kg	8.8	1.2	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Manganese, Total	160		mg/kg	0.88	0.21	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Mercury, Total	0.14		mg/kg	0.07	0.02	1	07/22/16 11:10	07/26/16 15:39	EPA 7471B	1,7471B	BV
Nickel, Total	8.9		mg/kg	2.2	0.35	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Potassium, Total	540		mg/kg	220	25.	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.8	0.24	2	07/22/16 06:35	08/03/16 13:34	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.88	0.18	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Sodium, Total	44	J	mg/kg	180	15.	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.8	0.28	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Vanadium, Total	53		mg/kg	0.88	0.08	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB
Zinc, Total	36		mg/kg	4.4	0.62	2	07/22/16 06:35	07/26/16 00:24	EPA 3050B	1,6010C	AB

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-10
Client ID: DP-153-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Percent Solids: 84%

Date Collected: 07/20/16 13:30
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6800		mg/kg	9.4	1.8	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.7	0.75	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Arsenic, Total	5.5		mg/kg	0.94	0.31	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Barium, Total	27		mg/kg	0.94	0.25	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Beryllium, Total	0.52		mg/kg	0.47	0.10	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.94	0.07	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Calcium, Total	940		mg/kg	9.4	2.6	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Chromium, Total	12		mg/kg	0.94	0.16	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Cobalt, Total	7.6		mg/kg	1.9	0.46	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Copper, Total	12		mg/kg	0.94	0.17	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Iron, Total	16000		mg/kg	4.7	1.5	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Lead, Total	4.1	J	mg/kg	4.7	0.20	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Magnesium, Total	1100		mg/kg	9.4	1.2	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Manganese, Total	230		mg/kg	0.94	0.22	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	07/22/16 11:10	07/26/16 15:45	EPA 7471B	1,7471B	BV
Nickel, Total	8.2		mg/kg	2.3	0.37	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Potassium, Total	380		mg/kg	230	26.	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.9	0.25	2	07/22/16 06:35	08/03/16 13:38	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.94	0.19	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Sodium, Total	210		mg/kg	190	16.	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.9	0.30	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Vanadium, Total	20		mg/kg	0.94	0.08	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB
Zinc, Total	31		mg/kg	4.7	0.65	2	07/22/16 06:35	07/26/16 00:29	EPA 3050B	1,6010C	AB

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-11
Client ID: DP-153-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Percent Solids: 79%

Date Collected: 07/20/16 13:35
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3800		mg/kg	9.8	1.9	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Antimony, Total	12		mg/kg	4.9	0.78	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Arsenic, Total	8.9		mg/kg	0.98	0.32	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Barium, Total	250		mg/kg	0.98	0.26	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Beryllium, Total	0.17	J	mg/kg	0.49	0.11	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Cadmium, Total	1.6		mg/kg	0.98	0.07	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Calcium, Total	28000		mg/kg	9.8	2.7	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Chromium, Total	53		mg/kg	0.98	0.17	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Cobalt, Total	8.1		mg/kg	2.0	0.48	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Copper, Total	290		mg/kg	0.98	0.18	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Iron, Total	43000		mg/kg	4.9	1.5	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Lead, Total	670		mg/kg	4.9	0.22	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Magnesium, Total	1700		mg/kg	9.8	1.3	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Manganese, Total	440		mg/kg	0.98	0.24	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Mercury, Total	3.3		mg/kg	0.41	0.09	5	07/22/16 11:10	07/26/16 17:29	EPA 7471B	1,7471B	BV
Nickel, Total	32		mg/kg	2.4	0.39	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Potassium, Total	600		mg/kg	240	27.	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Selenium, Total	0.32	J	mg/kg	2.0	0.26	2	07/22/16 06:35	08/03/16 13:43	EPA 3050B	1,6010C	PS
Silver, Total	1.6		mg/kg	0.98	0.20	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Sodium, Total	200		mg/kg	200	16.	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	2.0	0.31	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Vanadium, Total	26		mg/kg	0.98	0.09	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB
Zinc, Total	2100		mg/kg	4.9	0.68	2	07/22/16 06:35	07/26/16 00:33	EPA 3050B	1,6010C	AB

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-12
Client ID: DP-153-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Percent Solids: 62%

Date Collected: 07/20/16 13:40
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11000		mg/kg	12	2.4	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	6.1	0.98	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Arsenic, Total	14		mg/kg	1.2	0.40	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Barium, Total	380		mg/kg	1.2	0.33	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Beryllium, Total	0.76		mg/kg	0.61	0.13	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	1.2	0.09	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Calcium, Total	16000		mg/kg	12	3.4	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Chromium, Total	34		mg/kg	1.2	0.21	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Cobalt, Total	10		mg/kg	2.4	0.60	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Copper, Total	95		mg/kg	1.2	0.22	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Iron, Total	27000		mg/kg	6.1	1.9	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Lead, Total	1200		mg/kg	6.1	0.27	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Magnesium, Total	1600		mg/kg	12	1.6	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Manganese, Total	200		mg/kg	1.2	0.29	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Mercury, Total	1.0		mg/kg	0.11	0.02	1	07/22/16 11:10	07/26/16 15:49	EPA 7471B	1,7471B	BV
Nickel, Total	16		mg/kg	3.1	0.49	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Potassium, Total	1000		mg/kg	310	34.	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Selenium, Total	0.94	J	mg/kg	2.4	0.33	2	07/22/16 06:35	08/03/16 13:47	EPA 3050B	1,6010C	PS
Silver, Total	0.31	J	mg/kg	1.2	0.24	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Sodium, Total	390		mg/kg	240	20.	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	2.4	0.39	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Vanadium, Total	37		mg/kg	1.2	0.11	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB
Zinc, Total	330		mg/kg	6.1	0.86	2	07/22/16 06:35	07/26/16 00:37	EPA 3050B	1,6010C	AB

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-12 Batch: WG915990-1										
Aluminum, Total	ND		mg/kg	4.0	0.79	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Antimony, Total	ND		mg/kg	2.0	0.32	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Arsenic, Total	ND		mg/kg	0.40	0.13	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Barium, Total	ND		mg/kg	0.40	0.11	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Beryllium, Total	ND		mg/kg	0.20	0.04	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.40	0.03	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Calcium, Total	ND		mg/kg	4.0	1.1	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Chromium, Total	ND		mg/kg	0.40	0.07	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Cobalt, Total	ND		mg/kg	0.80	0.20	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Copper, Total	ND		mg/kg	0.40	0.07	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Iron, Total	0.70	J	mg/kg	2.0	0.63	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Lead, Total	ND		mg/kg	2.0	0.09	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Magnesium, Total	ND		mg/kg	4.0	0.53	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Manganese, Total	ND		mg/kg	0.40	0.10	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Nickel, Total	ND		mg/kg	1.0	0.16	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Potassium, Total	ND		mg/kg	100	11.	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Selenium, Total	ND		mg/kg	0.80	0.11	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Silver, Total	ND		mg/kg	0.40	0.08	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Sodium, Total	ND		mg/kg	80	6.7	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Thallium, Total	ND		mg/kg	0.80	0.13	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Vanadium, Total	ND		mg/kg	0.40	0.04	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB
Zinc, Total	ND		mg/kg	2.0	0.28	1	07/22/16 06:35	07/25/16 21:27	1,6010C	AB

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-12 Batch: WG916004-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/22/16 11:10	07/26/16 15:11	1,7471B	BV

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622592
Report Date: 08/11/16

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: DC UNITED

Project Number: 40223-004

Lab Number: L1622592

Report Date: 08/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG915990-2 SRM Lot Number: D089-540								
Aluminum, Total	82		-		52-147	-		
Antimony, Total	171		-		1-197	-		
Arsenic, Total	104		-		80-120	-		
Barium, Total	96		-		83-117	-		
Beryllium, Total	98		-		82-117	-		
Cadmium, Total	103		-		82-117	-		
Calcium, Total	101		-		81-119	-		
Chromium, Total	103		-		79-121	-		
Cobalt, Total	101		-		83-117	-		
Copper, Total	101		-		80-119	-		
Iron, Total	103		-		45-155	-		
Lead, Total	96		-		81-119	-		
Magnesium, Total	94		-		76-123	-		
Manganese, Total	102		-		81-119	-		
Nickel, Total	101		-		82-117	-		
Potassium, Total	92		-		71-128	-		
Selenium, Total	117		-		78-121	-		
Silver, Total	99		-		75-125	-		
Sodium, Total	100		-		71-128	-		
Thallium, Total	99		-		79-120	-		
Vanadium, Total	100		-		77-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: DC UNITED

Project Number: 40223-004

Lab Number: L1622592

Report Date: 08/11/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG915990-2 SRM Lot Number: D089-540					
Zinc, Total	104	-	80-119	-	
Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG916004-2 SRM Lot Number: D089-540					
Mercury, Total	87	-	57-143	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG915990-4 QC Sample: L1622592-01 Client ID: DP-158-SO-010-01												
Aluminum, Total	7600	188	7700	**53**	Q	-	-		75-125	-		20
Antimony, Total	54.	47.1	86	**68**	Q	-	-		75-125	-		20
Arsenic, Total	29.	11.3	41	106		-	-		75-125	-		20
Barium, Total	730	188	1400	**356**	Q	-	-		75-125	-		20
Beryllium, Total	0.47	4.71	5.3	113		-	-		75-125	-		20
Cadmium, Total	93.	4.8	92	**0**	Q	-	-		75-125	-		20
Calcium, Total	19000	941	20000	106		-	-		75-125	-		20
Chromium, Total	350	18.8	350	**0**	Q	-	-		75-125	-		20
Cobalt, Total	130	47.1	150	**42**	Q	-	-		75-125	-		20
Copper, Total	1900	23.5	1100	**0**	Q	-	-		75-125	-		20
Iron, Total	210000	94.1	240000	**31900**	Q	-	-		75-125	-		20
Lead, Total	5500	48	9200	**7710**	Q	-	-		75-125	-		20
Magnesium, Total	2500	941	3400	96		-	-		75-125	-		20
Manganese, Total	1300	47.1	1600	**637**	Q	-	-		75-125	-		20
Nickel, Total	1100	47.1	490	**0**	Q	-	-		75-125	-		20
Potassium, Total	1000	941	2000	106		-	-		75-125	-		20
Selenium, Total	6.2	11.3	9.9	**33**	Q	-	-		75-125	-		20
Silver, Total	2.4	28.2	32	105		-	-		75-125	-		20
Sodium, Total	1400	941	2600	**127**	Q	-	-		75-125	-		20
Thallium, Total	ND	11.3	5.2	**46**	Q	-	-		75-125	-		20
Vanadium, Total	41.	47.1	84	91		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG915990-4 QC Sample: L1622592-01 Client ID: DP-158-SO-010-01										
Zinc, Total	21000	47.1	17000	**0**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG916004-4 QC Sample: L1622592-01 Client ID: DP-158-SO-010-01										
Mercury, Total	23.	0.157	14	**0**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG915990-3 QC Sample: L1622592-01 Client ID: DP-158-SO-010-01						
Aluminum, Total	7600	9300	mg/kg	20		20
Antimony, Total	54.	74	mg/kg	**31**	Q	20
Arsenic, Total	29.	26	mg/kg	11		20
Barium, Total	730	940	mg/kg	**25**	Q	20
Beryllium, Total	0.47	0.33J	mg/kg	NC		20
Cadmium, Total	93.	110	mg/kg	17		20
Calcium, Total	19000	16000	mg/kg	17		20
Chromium, Total	350	320	mg/kg	9		20
Cobalt, Total	130	270	mg/kg	**70**	Q	20
Copper, Total	1900	1500	mg/kg	**24**	Q	20
Lead, Total	5500	6700	mg/kg	20		20
Magnesium, Total	2500	6200	mg/kg	**85**	Q	20
Manganese, Total	1300	1200	mg/kg	8		20
Nickel, Total	1100	1500	mg/kg	**31**	Q	20
Potassium, Total	1000	1100	mg/kg	10		20
Silver, Total	2.4	4.1	mg/kg	**52**	Q	20
Sodium, Total	1400	2200	mg/kg	**44**	Q	20
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	41.	34	mg/kg	19		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG915990-3 QC Sample: L1622592-01 Client ID: DP-158-SO-010-01						
Iron, Total	210000	200000	mg/kg	5		20
Zinc, Total	21000	25000	mg/kg	17		20
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG915990-3 QC Sample: L1622592-01 Client ID: DP-158-SO-010-01						
Selenium, Total	6.2	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG916004-3 QC Sample: L1622592-01 Client ID: DP-158-SO-010-01						
Mercury, Total	23.	12	mg/kg	**63**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-01
Client ID: DP-158-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil

Date Collected: 07/20/16 11:40
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.1		%	0.100	NA	1	-	07/21/16 11:12	121,2540G	RI

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-02
Client ID: DP-158-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil

Date Collected: 07/20/16 11:50
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	07/21/16 11:12	121,2540G	RI

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-03
Client ID: DP-158-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil

Date Collected: 07/20/16 12:15
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	07/21/16 11:12	121,2540G	RI

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-04
Client ID: DP-151-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil

Date Collected: 07/20/16 12:30
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.6		%	0.100	NA	1	-	07/21/16 11:12	121,2540G	RI

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-05
Client ID: DP-151-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil

Date Collected: 07/20/16 12:35
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.5		%	0.100	NA	1	-	07/21/16 11:12	121,2540G	RI

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-06
Client ID: DP-151-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil

Date Collected: 07/20/16 12:40
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	07/21/16 11:12	121,2540G	RI

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-07
Client ID: DP-152-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil

Date Collected: 07/20/16 13:00
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	07/21/16 11:12	121,2540G	RI

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-08
Client ID: DP-152-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil

Date Collected: 07/20/16 13:05
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	07/21/16 11:12	121,2540G	RI

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-09
Client ID: DP-152-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil

Date Collected: 07/20/16 13:10
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	07/21/16 11:12	121,2540G	RI

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-10
Client ID: DP-153-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil

Date Collected: 07/20/16 13:30
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	07/21/16 11:12	121,2540G	RI

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-11
Client ID: DP-153-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil

Date Collected: 07/20/16 13:35
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.8		%	0.100	NA	1	-	07/21/16 11:12	121,2540G	RI

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1622592-12
Client ID: DP-153-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil

Date Collected: 07/20/16 13:40
Date Received: 07/20/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	62.0		%	0.100	NA	1	-	07/21/16 11:12	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG915711-1 QC Sample: L1622592-01 Client ID: DP-158-SO-010-01						
Solids, Total	82.1	81.6	%	1		20

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1622592-01A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1622592-01B	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-8260(14)
L1622592-01C	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-01C9	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-01D	Glass 250ml/8oz unpreserved	B	N/A	4.1	Y	Absent	PA-8082(14),TS(7),PA-TPH-DROD-C44(14),PA-8270(14)
L1622592-02A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1622592-02B	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-8260(14)
L1622592-02C	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-02C9	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-02D	Glass 250ml/8oz unpreserved	B	N/A	4.1	Y	Absent	PA-8082(14),TS(7),PA-TPH-DROD-C44(14),PA-8270(14)
L1622592-03A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1622592-03B	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-8260(14)
L1622592-03C	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-03C9	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-03D	Glass 250ml/8oz unpreserved	B	N/A	4.1	Y	Absent	PA-8082(14),TS(7),PA-TPH-DROD-C44(14),PA-8270(14)
L1622592-04A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1622592-04B	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-8260(14)
L1622592-04C	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-04C9	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-04D	Glass 250ml/8oz unpreserved	B	N/A	4.1	Y	Absent	PA-8082(14),TS(7),PA-TPH-DROD-C44(14),PA-8270(14)
L1622592-05A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1622592-05B	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-8260(14)
L1622592-05C	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-05C9	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-05D	Glass 250ml/8oz unpreserved	B	N/A	4.1	Y	Absent	PA-8082(14),TS(7),PA-TPH-DROD-C44(14),PA-8270(14)
L1622592-06A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1622592-06B	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-8260(14)
L1622592-06C	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-06C9	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1622592-06D	Glass 250ml/8oz unpreserved	B	N/A	4.1	Y	Absent	PA-8082(14),TS(7),PA-TPH-DROD-C44(14),PA-8270(14)
L1622592-07A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1622592-07B	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-8260(14)
L1622592-07C	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-07C9	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-07D	Glass 250ml/8oz unpreserved	B	N/A	4.1	Y	Absent	PA-8082(14),TS(7),PA-TPH-DROD-C44(14),PA-8270(14)
L1622592-08A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1622592-08B	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-8260(14)
L1622592-08C	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-08C9	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-08D	Glass 250ml/8oz unpreserved	B	N/A	4.1	Y	Absent	PA-8082(14),TS(7),PA-TPH-DROD-C44(14),PA-8270(14)
L1622592-09A	Metals Only - Glass 60mL/2oz unp	B	N/A	4.1	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1622592-09B	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-8260(14)
L1622592-09C	Vial Large Septa unpreserved (4o	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-09C9	Vial MeOH preserved split	B	N/A	4.1	Y	Absent	PA-TPH-GRO(14)
L1622592-09D	Glass 250ml/8oz unpreserved	B	N/A	4.1	Y	Absent	PA-8082(14),TS(7),PA-TPH-DROD-C44(14),PA-8270(14)

*Values in parentheses indicate holding time in days

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622592
Report Date: 08/11/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1622592-10A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1622592-10B	Vial Large Septa unpreserved (4o	A	N/A	3.2	Y	Absent	PA-8260(14)
L1622592-10C	Vial Large Septa unpreserved (4o	A	N/A	3.2	Y	Absent	PA-TPH-GRO(14)
L1622592-10C9	Vial MeOH preserved split	A	N/A	3.2	Y	Absent	PA-TPH-GRO(14)
L1622592-10D	Glass 250ml/8oz unpreserved	A	N/A	3.2	Y	Absent	PA-8082(14),TS(7),PA-TPH-DROD-C44(14),PA-8270(14)
L1622592-11A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1622592-11B	Vial Large Septa unpreserved (4o	A	N/A	3.2	Y	Absent	PA-8260(14)
L1622592-11C	Vial Large Septa unpreserved (4o	A	N/A	3.2	Y	Absent	PA-TPH-GRO(14)
L1622592-11C9	Vial MeOH preserved split	A	N/A	3.2	Y	Absent	PA-TPH-GRO(14)
L1622592-11D	Glass 250ml/8oz unpreserved	A	N/A	3.2	Y	Absent	PA-8082(14),TS(7),PA-TPH-DROD-C44(14),PA-8270(14)
L1622592-12A	Metals Only - Glass 60mL/2oz unp	A	N/A	3.2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1622592-12B	Vial Large Septa unpreserved (4o	A	N/A	3.2	Y	Absent	PA-8260(14)
L1622592-12C	Vial Large Septa unpreserved (4o	A	N/A	3.2	Y	Absent	PA-TPH-GRO(14)
L1622592-12C9	Vial MeOH preserved split	A	N/A	3.2	Y	Absent	PA-TPH-GRO(14)
L1622592-12D	Glass 250ml/8oz unpreserved	A	N/A	3.2	Y	Absent	PA-8082(14),TS(7),PA-TPH-DROD-C44(14),PA-8270(14)

*Values in parentheses indicate holding time in days

Project Name:	DC UNITED	**Lab Number:**	L1622592
Project Number:	40223-004	**Report Date:**	08/11/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers

Project Name:	DC UNITED	**Lab Number:**	L1622592
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Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	DC UNITED	**Lab Number:**	L1622592
Project Number:	40223-004	**Report Date:**	08/11/16

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: ***EPA 3050B***

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW JERSEY CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 7/21/16

ALPHA Job #: L1622592

Client Information
Client: HALEY & ALDRICH
Address: 7601 LEWINSVILLE RD SUITE 101, MCLEAN, VA 22102
Phone: 619-285-7110
Fax:
Email: MRAITHEL@HALEYALDRICH.COM

Project Information
Project Name: DC UNITED
Project Location: WASHINGTON, DC
Project # 40223
(Use Project name as Project #) ☐
Project Manager: MATHEW RAITHEL / DAVE SCHEERHOUT
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other

Billing Information
☒ Same as Client Info
PO #

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs by 8260	Metals by 6010/7471	PAHs by 8270	TPH by 8015	PCBs by 8082				Total Bottle	Sample Specific Comments
22592-01	DP-158-SO-010-01	07/20/16	11:40	SO	CT	X	X	X	X	X				4	
02	DP-158-SO-050-01		11:50			X	X	X	X	X				4	
03	DP-158-SO-100-01		12:15			X	X	X	X	X				4	
04	DP-151-SO-010-01		12:30			X	X	X	X	X				4	
05	DP-151-SO-050-01		12:35			X	X	X	X	X				4	
06	DP-151-SO-100-01		12:40			X	X	X	X	X				4	
07	DP-152-SO-010-01		13:00			X	X	X	X	X				4	
08	DP-152-SO-050-01		13:05			X	X	X	X	X				4	
09	DP-152-SO-100-01		13:10			X	X	X	X	X				4	
10	DP-153-SO-010-01		13:30			X	X	X	X	X				4	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
CHRISTIAN TSCHIBELU	07/20/16 14:00	Tom LaMarca	7/20/16 1450
Tom LaMarca	ALPHA	BOBaker AAF	7-20-16 18:13
BOBaker	7-20-16 2000	Tom Tabb	7-20-16 2001
Tom Tabb		[illegible]	7/21/16 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 7/21/16

ALPHA Job #: L1622592

Client Information

Client: HALEY ALDRICH
Address: 7601 LEWINSVILLE RD. SUITE 101, MCLEAN, VA 22102
Phone: ~~703-336-6206~~
Fax: 619-285-7110
Email: MRAITHEL@HALEYALDRICH.COM

Project Information

Project Name: DC UNITED
Project Location: WASHINGTON DC
Project # 40223-004
(Use Project name as Project #)
Project Manager: ~~DAVE SCHOENWOLF~~/MATHEW RAITHEL
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

- [ ] NJ Full / Reduced
- [ ] EQuIS (1 File)
- [ ] EQuIS (4 File)
- [ ] Other

Regulatory Requirement

- [ ] SRS Residential/Non Residential
- [ ] SRS Impact to Groundwater
- [ ] NJ Ground Water Quality Standards
- [ ] NJ IGW SPLP Leachate Criteria
- [ ] Other

Billing Information

[X] Same as Client Info
PO #

Site Information

Is this site impacted by Petroleum? Yes [ ]
Petroleum Product:

These samples have been previously analyzed by Alpha [ ]

For EPH, selection is REQUIRED:
- [ ] Category 1
- [ ] Category 2

For VOC, selection is REQUIRED:
- [ ] 1,4-Dioxane
- [ ] 8011

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
- [ ] Done
- [ ] Lab to do

Preservation
- [ ] Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC's by 8260	Metals by 6010/7471	PAH's by 8270	TPH by 8015	PCB's by 8082				Total Bottle	Sample Specific Comments
70592 11	DP-153-SO-050-01	07/20/16	13:35	SO	CT	X	X	X	X	X				4	
13	DP-153-SO-100-01	↓	13:40	↓	↓	X	X	X	X	X				4	

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
CHRISTIAN TSCHIBELI	07/20/16 14:00	Tom DeMeule	7/20/16 1400
Tom DeMeule	ALPHA	BRBaker/AAL	7-20-16 1516
BRBaker	7-20-16 2000	Tom Tobin	7-20-16 2000
Tom Tobin		Fredrick Rivera	7/21/16 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1622741
Client:	Haley & Aldrich, Inc. 5333 Mission Center Rd San Diego, CA 92108
ATTN:	Matthew Raithel
Phone:	(619) 285-7110
Project Name:	DC UNITED
Project Number:	40223-004
Report Date:	07/31/16

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622741
Report Date: 07/31/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1622741-01	DP-162-SO-010-01	SOIL	WASHINGTON, D.C.	07/21/16 08:25	07/21/16
L1622741-02	DP-162-SO-050-01	SOIL	WASHINGTON, D.C.	07/21/16 08:30	07/21/16
L1622741-03	DP-162-SO-100-01	SOIL	WASHINGTON, D.C.	07/21/16 08:35	07/21/16
L1622741-04	DP-161-SO-010-01	SOIL	WASHINGTON, D.C.	07/21/16 08:05	07/21/16
L1622741-05	DP-161-SO-050-01	SOIL	WASHINGTON, D.C.	07/21/16 08:10	07/21/16
L1622741-06	DP-161-SO-100-01	SOIL	WASHINGTON, D.C.	07/21/16 08:15	07/21/16
L1622741-07	DP-160-SO-010-01	SOIL	WASHINGTON, D.C.	07/21/16 07:40	07/21/16
L1622741-08	DP-160-SO-050-01	SOIL	WASHINGTON, D.C.	07/21/16 07:45	07/21/16
L1622741-09	DP-160-SO-100-01	SOIL	WASHINGTON, D.C.	07/21/16 07:50	07/21/16
L1622741-10	DP-155-SO-010-01	SOIL	WASHINGTON, D.C.	07/21/16 07:25	07/21/16
L1622741-11	DP-155-SO-050-01	SOIL	WASHINGTON, D.C.	07/21/16 07:30	07/21/16
L1622741-12	DP-155-SO-100-01	SOIL	WASHINGTON, D.C.	07/21/16 07:35	07/21/16
L1622741-13	DP-154-SO-010-01	SOIL	WASHINGTON, D.C.	07/21/16 10:40	07/21/16
L1622741-14	DP-154-SO-050-01	SOIL	WASHINGTON, D.C.	07/21/16 10:45	07/21/16
L1622741-15	DP-154-SO-100-01	SOIL	WASHINGTON, D.C.	07/21/16 10:50	07/21/16
L1622741-16	DP-156-SO-010-01	SOIL	WASHINGTON, D.C.	07/21/16 10:25	07/21/16
L1622741-17	DP-156-SO-050-01	SOIL	WASHINGTON, D.C.	07/21/16 10:30	07/21/16
L1622741-18	DP-156-SO-100-01	SOIL	WASHINGTON, D.C.	07/21/16 10:35	07/21/16
L1622741-19	DP-157-SO-010-01	SOIL	WASHINGTON, D.C.	07/21/16 10:05	07/21/16
L1622741-20	DP-157-SO-050-01	SOIL	WASHINGTON, D.C.	07/21/16 10:10	07/21/16
L1622741-21	DP-157-SO-100-01	SOIL	WASHINGTON, D.C.	07/21/16 10:15	07/21/16
L1622741-22	DP-163-SO-010-01	SOIL	WASHINGTON, D.C.	07/21/16 09:20	07/21/16
L1622741-23	DP-163-SO-050-01	SOIL	WASHINGTON, D.C.	07/21/16 09:25	07/21/16
L1622741-24	DP-163-SO-100-01	SOIL	WASHINGTON, D.C.	07/21/16 09:30	07/21/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1622741-25	DP-163-SO-010-02	SOIL	WASHINGTON, D.C.	07/21/16 11:45	07/21/16
L1622741-26	DP-163-SO-050-02	SOIL	WASHINGTON, D.C.	07/21/16 11:50	07/21/16
L1622741-27	DP-159-SO-100-02	SOIL	WASHINGTON, D.C.	07/21/16 11:55	07/21/16
L1622741-28	DP-156-SO-050-02	SOIL	WASHINGTON, D.C.	07/21/16 14:05	07/21/16
L1622741-29	DP-156-SO-100-02	SOIL	WASHINGTON, D.C.	07/21/16 14:10	07/21/16
L1622741-30	EB-072116	WATER	WASHINGTON, D.C.	07/21/16 00:00	07/21/16
L1622741-31	TRIP BLANK	WATER	WASHINGTON, D.C.	07/21/16 00:00	07/21/16

Project Name: DC UNITED
Project Number: 40223-004

Lab Number: L1622741
Report Date: 07/31/16

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: DC UNITED **Lab Number:** L1622741
Project Number: 40223-004 **Report Date:** 07/31/16

Case Narrative (continued)

Report Submission

The analyses performed were specified by the client.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The samples were received in inappropriate containers for the Volatile Organics analysis. An aliquot was taken and preserved appropriately.

Volatile Organics

L1622741-06: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics

L1622741-06, -23, and -28: The sample has elevated detection limits due to the dilution required by the sample matrix.

Petroleum Hydrocarbon Quantitation

L1622741-06, -09, -11, and -14: The surrogate recoveries are below the acceptance criteria for o-terphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Gasoline Range Organics

L1622741-01, WG917392-5 (MS), WG917392-4 (Duplicate): The surrogate recoveries are outside the acceptance criteria for 4-bromofluorobenzene (157%, 151%, 170%); however, the sample was not re-analyzed due to coelution with obvious interferences. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

Project Name:	DC UNITED	**Lab Number:**	L1622741
Project Number:	40223-004	**Report Date:**	07/31/16

Case Narrative (continued)

PCBs

L1622741-11, -14, -16, and -19: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Metals

L1622741-01 through -29: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG916302-4 MS recoveries for aluminum (208%), calcium (0%), iron (0%), magnesium (21%), performed on L1622741-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG916302-4 MS recovery, performed on L1622741-01, is outside the acceptance criteria for zinc (0%). A post digestion spike was performed and was within acceptance criteria.

The WG916303-4 MS recovery, performed on L1622741-01, is outside the acceptance criteria for mercury (584%). A post digestion spike was performed and was within acceptance criteria.

The WG916304-4 MS recoveries for aluminum (471%), iron (8370%), and manganese (146%), performed on L1622741-21, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG916304-4 MS recoveries, performed on L1622741-21, are outside the acceptance criteria for calcium (387%), chromium (68%), lead (219%), magnesium (63%), potassium (72%) and zinc (199%). A post digestion spike was performed and was within acceptance criteria.

The WG916302-3 Laboratory Duplicate RPDs, performed on L1622741-01, are outside the acceptance criteria for barium (63%), cobalt (21%), manganese (70%) and zinc (53%). The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

The WG916303-3 Laboratory Duplicate RPD, performed on L1622741-01, is outside the acceptance criteria for mercury (29%). The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

The WG916304-3 Laboratory Duplicate RPDs, performed on L1622741-21, are outside the acceptance

Project Name:	DC UNITED	**Lab Number:**	L1622741
Project Number:	40223-004	**Report Date:**	07/31/16

Case Narrative (continued)

criteria for arsenic (25%), barium (25%), calcium (80%), copper (63%), lead (76%) and zinc (41%). The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 07/31/16

ORGANICS

VOLATILES

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-01
Client ID: DP-162-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 09:21
Analyst: BN
Percent Solids: 81%

Date Collected: 07/21/16 08:25
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00023	1
Chloromethane	ND		mg/kg	0.0061	0.00036	1
Vinyl chloride	ND		mg/kg	0.0024	0.00014	1
Bromomethane	ND		mg/kg	0.0024	0.00042	1
Chloroethane	ND		mg/kg	0.0024	0.00039	1
Trichlorofluoromethane	ND		mg/kg	0.0061	0.00048	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00032	1
Carbon disulfide	ND		mg/kg	0.012	0.0014	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.024	0.00034	1
Methylene chloride	ND		mg/kg	0.0061	0.0014	1
Acetone	0.091		mg/kg	0.044	0.0013	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0018	0.00026	1
Methyl Acetate	ND		mg/kg	0.0049	0.00033	1
Methyl tert butyl ether	ND		mg/kg	0.0024	0.00010	1
1,1-Dichloroethane	ND		mg/kg	0.0018	0.00010	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00018	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00018	1
Cyclohexane	ND		mg/kg	0.024	0.00018	1
Bromochloromethane	ND		mg/kg	0.0061	0.00034	1
Chloroform	ND		mg/kg	0.0018	0.00045	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00026	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00014	1
2-Butanone	ND		mg/kg	0.012	0.00033	1
Benzene	ND		mg/kg	0.0012	0.00014	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0049	0.00019	1
Trichloroethene	ND		mg/kg	0.0012	0.00015	1
1,2-Dichloropropane	ND		mg/kg	0.0043	0.00028	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00021	1
1,4-Dioxane	ND		mg/kg	0.12	0.018	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-01
Client ID: DP-162-SO-010-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 08:25
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
Toluene	ND		mg/kg	0.0018	0.00024	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00030	1
Tetrachloroethene	ND		mg/kg	0.0012	0.00017	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0018	0.00037	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00019	1
1,2-Dibromoethane	ND		mg/kg	0.0049	0.00021	1
2-Hexanone	ND		mg/kg	0.012	0.00082	1
Chlorobenzene	ND		mg/kg	0.0012	0.00043	1
Ethylbenzene	ND		mg/kg	0.0012	0.00016	1
p/m-Xylene	ND		mg/kg	0.0024	0.00024	1
o-Xylene	ND		mg/kg	0.0024	0.00021	1
Xylenes, Total	ND		mg/kg	0.0024	0.00021	1
Styrene	ND		mg/kg	0.0024	0.00049	1
Bromoform	ND		mg/kg	0.0049	0.00029	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00013	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0061	0.00016	1
1,4-Dichlorobenzene	ND		mg/kg	0.0061	0.00017	1
1,2-Dichlorobenzene	ND		mg/kg	0.0061	0.00019	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0061	0.00049	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0061	0.00022	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0061	0.00018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	88		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-02
Client ID: DP-162-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 09:47
Analyst: BN
Percent Solids: 83%

Date Collected: 07/21/16 08:30
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00023	1
Chloromethane	ND		mg/kg	0.0060	0.00035	1
Vinyl chloride	ND		mg/kg	0.0024	0.00014	1
Bromomethane	ND		mg/kg	0.0024	0.00040	1
Chloroethane	ND		mg/kg	0.0024	0.00038	1
Trichlorofluoromethane	ND		mg/kg	0.0060	0.00046	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00031	1
Carbon disulfide	ND		mg/kg	0.012	0.0013	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.024	0.00033	1
Methylene chloride	ND		mg/kg	0.0060	0.0013	1
Acetone	ND		mg/kg	0.043	0.0012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0018	0.00025	1
Methyl Acetate	ND		mg/kg	0.0048	0.00032	1
Methyl tert butyl ether	ND		mg/kg	0.0024	0.00010	1
1,1-Dichloroethane	ND		mg/kg	0.0018	0.00010	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00017	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00017	1
Cyclohexane	ND		mg/kg	0.024	0.00018	1
Bromochloromethane	ND		mg/kg	0.0060	0.00033	1
Chloroform	ND		mg/kg	0.0018	0.00044	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00025	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00013	1
2-Butanone	ND		mg/kg	0.012	0.00033	1
Benzene	ND		mg/kg	0.0012	0.00014	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0048	0.00018	1
Trichloroethene	ND		mg/kg	0.0012	0.00015	1
1,2-Dichloropropane	ND		mg/kg	0.0042	0.00027	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00021	1
1,4-Dioxane	ND		mg/kg	0.12	0.017	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-02
Client ID: DP-162-SO-050-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 08:30
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
Toluene	ND		mg/kg	0.0018	0.00023	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00029	1
Tetrachloroethene	ND		mg/kg	0.0012	0.00017	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0018	0.00036	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00018	1
1,2-Dibromoethane	ND		mg/kg	0.0048	0.00021	1
2-Hexanone	ND		mg/kg	0.012	0.00080	1
Chlorobenzene	ND		mg/kg	0.0012	0.00042	1
Ethylbenzene	ND		mg/kg	0.0012	0.00015	1
p/m-Xylene	ND		mg/kg	0.0024	0.00024	1
o-Xylene	ND		mg/kg	0.0024	0.00020	1
Xylenes, Total	ND		mg/kg	0.0024	0.00020	1
Styrene	ND		mg/kg	0.0024	0.00048	1
Bromoform	ND		mg/kg	0.0048	0.00028	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0060	0.00016	1
1,4-Dichlorobenzene	ND		mg/kg	0.0060	0.00016	1
1,2-Dichlorobenzene	ND		mg/kg	0.0060	0.00018	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0060	0.00047	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0060	0.00022	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0060	0.00018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	88		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-03
Client ID: DP-162-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 10:13
Analyst: BN
Percent Solids: 82%

Date Collected: 07/21/16 08:35
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00023	1
Chloromethane	ND		mg/kg	0.0061	0.00036	1
Vinyl chloride	ND		mg/kg	0.0024	0.00014	1
Bromomethane	ND		mg/kg	0.0024	0.00041	1
Chloroethane	ND		mg/kg	0.0024	0.00038	1
Trichlorofluoromethane	ND		mg/kg	0.0061	0.00047	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00032	1
Carbon disulfide	ND		mg/kg	0.012	0.0013	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.024	0.00033	1
Methylene chloride	ND		mg/kg	0.0061	0.0013	1
Acetone	0.065		mg/kg	0.044	0.0013	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0018	0.00026	1
Methyl Acetate	ND		mg/kg	0.0049	0.00033	1
Methyl tert butyl ether	ND		mg/kg	0.0024	0.00010	1
1,1-Dichloroethane	ND		mg/kg	0.0018	0.00010	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00017	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00017	1
Cyclohexane	ND		mg/kg	0.024	0.00018	1
Bromochloromethane	ND		mg/kg	0.0061	0.00034	1
Chloroform	ND		mg/kg	0.0018	0.00045	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00026	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00014	1
2-Butanone	0.011	J	mg/kg	0.012	0.00033	1
Benzene	ND		mg/kg	0.0012	0.00014	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0049	0.00019	1
Trichloroethene	ND		mg/kg	0.0012	0.00015	1
1,2-Dichloropropane	ND		mg/kg	0.0043	0.00028	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00021	1
1,4-Dioxane	ND		mg/kg	0.12	0.018	1

Project Name: DC UNITED **Lab Number:** L1622741

Project Number: 40223-004 **Report Date:** 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-03 Date Collected: 07/21/16 08:35

Client ID: DP-162-SO-100-01 Date Received: 07/21/16

Sample Location: WASHINGTON, D.C. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
Toluene	ND		mg/kg	0.0018	0.00024	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00030	1
Tetrachloroethene	ND		mg/kg	0.0012	0.00017	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0018	0.00037	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00019	1
1,2-Dibromoethane	ND		mg/kg	0.0049	0.00021	1
2-Hexanone	ND		mg/kg	0.012	0.00081	1
Chlorobenzene	ND		mg/kg	0.0012	0.00042	1
Ethylbenzene	ND		mg/kg	0.0012	0.00016	1
p/m-Xylene	ND		mg/kg	0.0024	0.00024	1
o-Xylene	ND		mg/kg	0.0024	0.00021	1
Xylenes, Total	ND		mg/kg	0.0024	0.00021	1
Styrene	ND		mg/kg	0.0024	0.00049	1
Bromoform	ND		mg/kg	0.0049	0.00029	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00013	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0061	0.00016	1
1,4-Dichlorobenzene	ND		mg/kg	0.0061	0.00017	1
1,2-Dichlorobenzene	ND		mg/kg	0.0061	0.00019	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0061	0.00048	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0061	0.00022	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0061	0.00018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	91		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-04
Client ID: DP-161-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 10:39
Analyst: BN
Percent Solids: 79%

Date Collected: 07/21/16 08:05
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.013	0.00024	1
Chloromethane	ND		mg/kg	0.0064	0.00037	1
Vinyl chloride	ND		mg/kg	0.0025	0.00015	1
Bromomethane	ND		mg/kg	0.0025	0.00043	1
Chloroethane	ND		mg/kg	0.0025	0.00040	1
Trichlorofluoromethane	ND		mg/kg	0.0064	0.00049	1
1,1-Dichloroethene	ND		mg/kg	0.0013	0.00033	1
Carbon disulfide	ND		mg/kg	0.013	0.0014	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.025	0.00035	1
Methylene chloride	ND		mg/kg	0.0064	0.0014	1
Acetone	ND		mg/kg	0.046	0.0013	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0019	0.00027	1
Methyl Acetate	ND		mg/kg	0.0051	0.00034	1
Methyl tert butyl ether	ND		mg/kg	0.0025	0.00011	1
1,1-Dichloroethane	ND		mg/kg	0.0019	0.00011	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0013	0.00018	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0013	0.00018	1
Cyclohexane	ND		mg/kg	0.025	0.00018	1
Bromochloromethane	ND		mg/kg	0.0064	0.00035	1
Chloroform	ND		mg/kg	0.0019	0.00047	1
Carbon tetrachloride	ND		mg/kg	0.0013	0.00027	1
1,1,1-Trichloroethane	ND		mg/kg	0.0013	0.00014	1
2-Butanone	ND		mg/kg	0.013	0.00035	1
Benzene	ND		mg/kg	0.0013	0.00015	1
1,2-Dichloroethane	ND		mg/kg	0.0013	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0051	0.00020	1
Trichloroethene	ND		mg/kg	0.0013	0.00016	1
1,2-Dichloropropane	ND		mg/kg	0.0044	0.00029	1
Bromodichloromethane	ND		mg/kg	0.0013	0.00022	1
1,4-Dioxane	ND		mg/kg	0.13	0.018	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-04
Client ID: DP-161-SO-010-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 08:05
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0013	0.00015	1
Toluene	ND		mg/kg	0.0019	0.00025	1
4-Methyl-2-pentanone	ND		mg/kg	0.013	0.00031	1
Tetrachloroethene	ND		mg/kg	0.0013	0.00018	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0013	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0013	0.00015	1
1,1,2-Trichloroethane	ND		mg/kg	0.0019	0.00039	1
Dibromochloromethane	ND		mg/kg	0.0013	0.00020	1
1,2-Dibromoethane	ND		mg/kg	0.0051	0.00022	1
2-Hexanone	ND		mg/kg	0.013	0.00085	1
Chlorobenzene	ND		mg/kg	0.0013	0.00044	1
Ethylbenzene	ND		mg/kg	0.0013	0.00016	1
p/m-Xylene	ND		mg/kg	0.0025	0.00025	1
o-Xylene	ND		mg/kg	0.0025	0.00022	1
Xylenes, Total	ND		mg/kg	0.0025	0.00022	1
Styrene	ND		mg/kg	0.0025	0.00051	1
Bromoform	ND		mg/kg	0.0051	0.00030	1
Isopropylbenzene	ND		mg/kg	0.0013	0.00013	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0013	0.00013	1
1,3-Dichlorobenzene	ND		mg/kg	0.0064	0.00017	1
1,4-Dichlorobenzene	ND		mg/kg	0.0064	0.00018	1
1,2-Dichlorobenzene	ND		mg/kg	0.0064	0.00020	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0064	0.00050	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0064	0.00023	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0064	0.00019	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	89		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-05
Client ID: DP-161-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/16 16:55
Analyst: BN
Percent Solids: 80%

Date Collected: 07/21/16 08:10
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.011	0.00022	1
Chloromethane	ND		mg/kg	0.0057	0.00033	1
Vinyl chloride	ND		mg/kg	0.0023	0.00013	1
Bromomethane	ND		mg/kg	0.0023	0.00038	1
Chloroethane	ND		mg/kg	0.0023	0.00036	1
Trichlorofluoromethane	ND		mg/kg	0.0057	0.00044	1
1,1-Dichloroethene	ND		mg/kg	0.0011	0.00030	1
Carbon disulfide	ND		mg/kg	0.011	0.0012	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.023	0.00031	1
Methylene chloride	0.0012	J	mg/kg	0.0057	0.0012	1
Acetone	0.0051	J	mg/kg	0.041	0.0012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0017	0.00024	1
Methyl Acetate	ND		mg/kg	0.0045	0.00031	1
Methyl tert butyl ether	ND		mg/kg	0.0023	0.00009	1
1,1-Dichloroethane	ND		mg/kg	0.0017	0.00009	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	0.00016	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0011	0.00016	1
Cyclohexane	ND		mg/kg	0.023	0.00016	1
Bromochloromethane	ND		mg/kg	0.0057	0.00031	1
Chloroform	ND		mg/kg	0.0017	0.00042	1
Carbon tetrachloride	ND		mg/kg	0.0011	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.0011	0.00012	1
2-Butanone	ND		mg/kg	0.011	0.00031	1
Benzene	ND		mg/kg	0.0011	0.00013	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00013	1
Methyl cyclohexane	ND		mg/kg	0.0045	0.00018	1
Trichloroethene	ND		mg/kg	0.0011	0.00014	1
1,2-Dichloropropane	ND		mg/kg	0.0040	0.00026	1
Bromodichloromethane	ND		mg/kg	0.0011	0.00020	1
1,4-Dioxane	ND		mg/kg	0.11	0.016	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-05
Client ID: DP-161-SO-050-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 08:10
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00013	1
Toluene	ND		mg/kg	0.0017	0.00022	1
4-Methyl-2-pentanone	ND		mg/kg	0.011	0.00028	1
Tetrachloroethene	ND		mg/kg	0.0011	0.00016	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0011	0.00013	1
1,1,2-Trichloroethane	ND		mg/kg	0.0017	0.00034	1
Dibromochloromethane	ND		mg/kg	0.0011	0.00017	1
1,2-Dibromoethane	ND		mg/kg	0.0045	0.00020	1
2-Hexanone	ND		mg/kg	0.011	0.00076	1
Chlorobenzene	ND		mg/kg	0.0011	0.00040	1
Ethylbenzene	ND		mg/kg	0.0011	0.00014	1
p/m-Xylene	ND		mg/kg	0.0023	0.00022	1
o-Xylene	ND		mg/kg	0.0023	0.00020	1
Xylenes, Total	ND		mg/kg	0.0023	0.00020	1
Styrene	ND		mg/kg	0.0023	0.00046	1
Bromoform	ND		mg/kg	0.0045	0.00027	1
Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0011	0.00011	1
1,3-Dichlorobenzene	ND		mg/kg	0.0057	0.00015	1
1,4-Dichlorobenzene	ND		mg/kg	0.0057	0.00016	1
1,2-Dichlorobenzene	ND		mg/kg	0.0057	0.00017	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0057	0.00045	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0057	0.00021	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0057	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	85		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-06 D
Client ID: DP-161-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/16 17:22
Analyst: BN
Percent Solids: 72%

Date Collected: 07/21/16 08:15
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.028	0.00053	2
Chloromethane	ND		mg/kg	0.014	0.00082	2
Vinyl chloride	ND		mg/kg	0.0056	0.00033	2
Bromomethane	ND		mg/kg	0.0056	0.00094	2
Chloroethane	ND		mg/kg	0.0056	0.00088	2
Trichlorofluoromethane	ND		mg/kg	0.014	0.0011	2
1,1-Dichloroethene	ND		mg/kg	0.0028	0.00073	2
Carbon disulfide	ND		mg/kg	0.028	0.0031	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.056	0.00076	2
Methylene chloride	0.0042	J	mg/kg	0.014	0.0031	2
Acetone	0.13		mg/kg	0.10	0.0029	2
trans-1,2-Dichloroethene	ND		mg/kg	0.0042	0.00059	2
Methyl Acetate	ND		mg/kg	0.011	0.00075	2
Methyl tert butyl ether	ND		mg/kg	0.0056	0.00024	2
1,1-Dichloroethane	ND		mg/kg	0.0042	0.00024	2
cis-1,2-Dichloroethene	ND		mg/kg	0.0028	0.00040	2
1,2-Dichloroethene, Total	ND		mg/kg	0.0028	0.00040	2
Cyclohexane	ND		mg/kg	0.056	0.00041	2
Bromochloromethane	ND		mg/kg	0.014	0.00077	2
Chloroform	ND		mg/kg	0.0042	0.0010	2
Carbon tetrachloride	ND		mg/kg	0.0028	0.00059	2
1,1,1-Trichloroethane	ND		mg/kg	0.0028	0.00031	2
2-Butanone	0.033		mg/kg	0.028	0.00076	2
Benzene	ND		mg/kg	0.0028	0.00033	2
1,2-Dichloroethane	ND		mg/kg	0.0028	0.00032	2
Methyl cyclohexane	ND		mg/kg	0.011	0.00043	2
Trichloroethene	ND		mg/kg	0.0028	0.00035	2
1,2-Dichloropropane	ND		mg/kg	0.0098	0.00064	2
Bromodichloromethane	ND		mg/kg	0.0028	0.00048	2
1,4-Dioxane	ND		mg/kg	0.28	0.040	2

Project Name: DC UNITED **Lab Number:** L1622741

Project Number: 40223-004 **Report Date:** 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-06 D Date Collected: 07/21/16 08:15

Client ID: DP-161-SO-100-01 Date Received: 07/21/16

Sample Location: WASHINGTON, D.C. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0028	0.00033	2
Toluene	ND		mg/kg	0.0042	0.00054	2
4-Methyl-2-pentanone	ND		mg/kg	0.028	0.00068	2
Tetrachloroethene	ND		mg/kg	0.0028	0.00039	2
trans-1,3-Dichloropropene	ND		mg/kg	0.0028	0.00034	2
1,3-Dichloropropene, Total	ND		mg/kg	0.0028	0.00033	2
1,1,2-Trichloroethane	ND		mg/kg	0.0042	0.00085	2
Dibromochloromethane	ND		mg/kg	0.0028	0.00043	2
1,2-Dibromoethane	ND		mg/kg	0.011	0.00049	2
2-Hexanone	ND		mg/kg	0.028	0.0019	2
Chlorobenzene	ND		mg/kg	0.0028	0.00097	2
Ethylbenzene	ND		mg/kg	0.0028	0.00036	2
p/m-Xylene	ND		mg/kg	0.0056	0.00055	2
o-Xylene	ND		mg/kg	0.0056	0.00048	2
Xylenes, Total	ND		mg/kg	0.0056	0.00048	2
Styrene	ND		mg/kg	0.0056	0.0011	2
Bromoform	ND		mg/kg	0.011	0.00066	2
Isopropylbenzene	ND		mg/kg	0.0028	0.00029	2
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0028	0.00028	2
1,3-Dichlorobenzene	ND		mg/kg	0.014	0.00038	2
1,4-Dichlorobenzene	ND		mg/kg	0.014	0.00039	2
1,2-Dichlorobenzene	ND		mg/kg	0.014	0.00043	2
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.014	0.0011	2
1,2,4-Trichlorobenzene	0.0039	J	mg/kg	0.014	0.00051	2
1,2,3-Trichlorobenzene	ND		mg/kg	0.014	0.00041	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	86		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-07
Client ID: DP-160-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 11:06
Analyst: BN
Percent Solids: 81%

Date Collected: 07/21/16 07:40
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00023	1
Chloromethane	ND		mg/kg	0.0062	0.00036	1
Vinyl chloride	ND		mg/kg	0.0025	0.00014	1
Bromomethane	ND		mg/kg	0.0025	0.00042	1
Chloroethane	ND		mg/kg	0.0025	0.00039	1
Trichlorofluoromethane	ND		mg/kg	0.0062	0.00048	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00032	1
Carbon disulfide	ND		mg/kg	0.012	0.0014	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.025	0.00034	1
Methylene chloride	ND		mg/kg	0.0062	0.0014	1
Acetone	0.0057	J	mg/kg	0.044	0.0013	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0018	0.00026	1
Methyl Acetate	ND		mg/kg	0.0049	0.00033	1
Methyl tert butyl ether	ND		mg/kg	0.0025	0.00010	1
1,1-Dichloroethane	ND		mg/kg	0.0018	0.00010	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00018	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00018	1
Cyclohexane	ND		mg/kg	0.025	0.00018	1
Bromochloromethane	ND		mg/kg	0.0062	0.00034	1
Chloroform	ND		mg/kg	0.0018	0.00046	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00026	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00014	1
2-Butanone	ND		mg/kg	0.012	0.00033	1
Benzene	ND		mg/kg	0.0012	0.00014	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0049	0.00019	1
Trichloroethene	ND		mg/kg	0.0012	0.00015	1
1,2-Dichloropropane	ND		mg/kg	0.0043	0.00028	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00021	1
1,4-Dioxane	ND		mg/kg	0.12	0.018	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-07
Client ID: DP-160-SO-010-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 07:40
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
Toluene	ND		mg/kg	0.0018	0.00024	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00030	1
Tetrachloroethene	ND		mg/kg	0.0012	0.00017	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0018	0.00037	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00019	1
1,2-Dibromoethane	ND		mg/kg	0.0049	0.00021	1
2-Hexanone	ND		mg/kg	0.012	0.00082	1
Chlorobenzene	ND		mg/kg	0.0012	0.00043	1
Ethylbenzene	ND		mg/kg	0.0012	0.00016	1
p/m-Xylene	ND		mg/kg	0.0025	0.00024	1
o-Xylene	ND		mg/kg	0.0025	0.00021	1
Xylenes, Total	ND		mg/kg	0.0025	0.00021	1
Styrene	ND		mg/kg	0.0025	0.00049	1
Bromoform	ND		mg/kg	0.0049	0.00029	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00013	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0062	0.00017	1
1,4-Dichlorobenzene	ND		mg/kg	0.0062	0.00017	1
1,2-Dichlorobenzene	ND		mg/kg	0.0062	0.00019	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0062	0.00049	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0062	0.00022	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0062	0.00018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	94		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-08
Client ID: DP-160-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 11:32
Analyst: BN
Percent Solids: 80%

Date Collected: 07/21/16 07:45
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00024	1
Chloromethane	ND		mg/kg	0.0063	0.00037	1
Vinyl chloride	ND		mg/kg	0.0025	0.00015	1
Bromomethane	ND		mg/kg	0.0025	0.00042	1
Chloroethane	ND		mg/kg	0.0025	0.00040	1
Trichlorofluoromethane	ND		mg/kg	0.0063	0.00049	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00033	1
Carbon disulfide	ND		mg/kg	0.012	0.0014	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.025	0.00034	1
Methylene chloride	ND		mg/kg	0.0063	0.0014	1
Acetone	ND		mg/kg	0.045	0.0013	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0019	0.00027	1
Methyl Acetate	ND		mg/kg	0.0050	0.00034	1
Methyl tert butyl ether	ND		mg/kg	0.0025	0.00011	1
1,1-Dichloroethane	ND		mg/kg	0.0019	0.00011	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00018	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00018	1
Cyclohexane	ND		mg/kg	0.025	0.00018	1
Bromochloromethane	ND		mg/kg	0.0063	0.00035	1
Chloroform	ND		mg/kg	0.0019	0.00046	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00026	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00014	1
2-Butanone	ND		mg/kg	0.012	0.00034	1
Benzene	ND		mg/kg	0.0012	0.00015	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0050	0.00019	1
Trichloroethene	ND		mg/kg	0.0012	0.00016	1
1,2-Dichloropropane	ND		mg/kg	0.0044	0.00029	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00022	1
1,4-Dioxane	ND		mg/kg	0.12	0.018	1

Project Name: DC UNITED **Lab Number:** L1622741

Project Number: 40223-004 **Report Date:** 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-08 Date Collected: 07/21/16 07:45

Client ID: DP-160-SO-050-01 Date Received: 07/21/16

Sample Location: WASHINGTON, D.C. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00015	1
Toluene	ND		mg/kg	0.0019	0.00024	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00031	1
Tetrachloroethene	ND		mg/kg	0.0012	0.00018	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00015	1
1,1,2-Trichloroethane	ND		mg/kg	0.0019	0.00038	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00019	1
1,2-Dibromoethane	ND		mg/kg	0.0050	0.00022	1
2-Hexanone	ND		mg/kg	0.012	0.00084	1
Chlorobenzene	ND		mg/kg	0.0012	0.00044	1
Ethylbenzene	ND		mg/kg	0.0012	0.00016	1
p/m-Xylene	ND		mg/kg	0.0025	0.00025	1
o-Xylene	ND		mg/kg	0.0025	0.00022	1
Xylenes, Total	ND		mg/kg	0.0025	0.00022	1
Styrene	ND		mg/kg	0.0025	0.00050	1
Bromoform	ND		mg/kg	0.0050	0.00030	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00013	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00013	1
1,3-Dichlorobenzene	ND		mg/kg	0.0063	0.00017	1
1,4-Dichlorobenzene	ND		mg/kg	0.0063	0.00017	1
1,2-Dichlorobenzene	ND		mg/kg	0.0063	0.00019	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0063	0.00050	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0063	0.00023	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0063	0.00018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	99		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-09
Client ID: DP-160-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 11:58
Analyst: BN
Percent Solids: 81%

Date Collected: 07/21/16 07:50
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00023	1
Chloromethane	ND		mg/kg	0.0062	0.00036	1
Vinyl chloride	0.00025	J	mg/kg	0.0025	0.00014	1
Bromomethane	ND		mg/kg	0.0025	0.00042	1
Chloroethane	ND		mg/kg	0.0025	0.00039	1
Trichlorofluoromethane	ND		mg/kg	0.0062	0.00048	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00032	1
Carbon disulfide	ND		mg/kg	0.012	0.0014	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.025	0.00034	1
Methylene chloride	ND		mg/kg	0.0062	0.0014	1
Acetone	0.20		mg/kg	0.044	0.0013	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0018	0.00026	1
Methyl Acetate	ND		mg/kg	0.0049	0.00033	1
Methyl tert butyl ether	ND		mg/kg	0.0025	0.00010	1
1,1-Dichloroethane	ND		mg/kg	0.0018	0.00010	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00018	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00018	1
Cyclohexane	ND		mg/kg	0.025	0.00018	1
Bromochloromethane	ND		mg/kg	0.0062	0.00034	1
Chloroform	ND		mg/kg	0.0018	0.00046	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00026	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00014	1
2-Butanone	0.016		mg/kg	0.012	0.00033	1
Benzene	0.00014	J	mg/kg	0.0012	0.00014	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0049	0.00019	1
Trichloroethene	ND		mg/kg	0.0012	0.00015	1
1,2-Dichloropropane	ND		mg/kg	0.0043	0.00028	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00021	1
1,4-Dioxane	ND		mg/kg	0.12	0.018	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-09
Client ID: DP-160-SO-100-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 07:50
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
Toluene	ND		mg/kg	0.0018	0.00024	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00030	1
Tetrachloroethene	ND		mg/kg	0.0012	0.00017	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0018	0.00037	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00019	1
1,2-Dibromoethane	ND		mg/kg	0.0049	0.00021	1
2-Hexanone	ND		mg/kg	0.012	0.00082	1
Chlorobenzene	ND		mg/kg	0.0012	0.00043	1
Ethylbenzene	ND		mg/kg	0.0012	0.00016	1
p/m-Xylene	ND		mg/kg	0.0025	0.00024	1
o-Xylene	ND		mg/kg	0.0025	0.00021	1
Xylenes, Total	ND		mg/kg	0.0025	0.00021	1
Styrene	ND		mg/kg	0.0025	0.00049	1
Bromoform	ND		mg/kg	0.0049	0.00029	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00013	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0062	0.00017	1
1,4-Dichlorobenzene	ND		mg/kg	0.0062	0.00017	1
1,2-Dichlorobenzene	ND		mg/kg	0.0062	0.00019	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0062	0.00049	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0062	0.00022	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0062	0.00018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-10
Client ID: DP-155-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 12:25
Analyst: BN
Percent Solids: 88%

Date Collected: 07/21/16 07:25
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.011	0.00022	1
Chloromethane	ND		mg/kg	0.0057	0.00033	1
Vinyl chloride	ND		mg/kg	0.0023	0.00013	1
Bromomethane	ND		mg/kg	0.0023	0.00038	1
Chloroethane	ND		mg/kg	0.0023	0.00036	1
Trichlorofluoromethane	ND		mg/kg	0.0057	0.00044	1
1,1-Dichloroethene	ND		mg/kg	0.0011	0.00030	1
Carbon disulfide	ND		mg/kg	0.011	0.0012	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.023	0.00031	1
Methylene chloride	0.0012	J	mg/kg	0.0057	0.0012	1
Acetone	0.042		mg/kg	0.041	0.0012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0017	0.00024	1
Methyl Acetate	ND		mg/kg	0.0045	0.00031	1
Methyl tert butyl ether	ND		mg/kg	0.0023	0.00009	1
1,1-Dichloroethane	ND		mg/kg	0.0017	0.00009	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	0.00016	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0011	0.00016	1
Cyclohexane	ND		mg/kg	0.023	0.00016	1
Bromochloromethane	ND		mg/kg	0.0057	0.00031	1
Chloroform	ND		mg/kg	0.0017	0.00042	1
Carbon tetrachloride	ND		mg/kg	0.0011	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.0011	0.00012	1
2-Butanone	ND		mg/kg	0.011	0.00031	1
Benzene	0.00013	J	mg/kg	0.0011	0.00013	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00013	1
Methyl cyclohexane	ND		mg/kg	0.0045	0.00018	1
Trichloroethene	ND		mg/kg	0.0011	0.00014	1
1,2-Dichloropropane	ND		mg/kg	0.0040	0.00026	1
Bromodichloromethane	ND		mg/kg	0.0011	0.00020	1
1,4-Dioxane	ND		mg/kg	0.11	0.016	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-10
Client ID: DP-155-SO-010-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 07:25
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00013	1
Toluene	ND		mg/kg	0.0017	0.00022	1
4-Methyl-2-pentanone	ND		mg/kg	0.011	0.00028	1
Tetrachloroethene	ND		mg/kg	0.0011	0.00016	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0011	0.00013	1
1,1,2-Trichloroethane	ND		mg/kg	0.0017	0.00034	1
Dibromochloromethane	ND		mg/kg	0.0011	0.00017	1
1,2-Dibromoethane	ND		mg/kg	0.0045	0.00020	1
2-Hexanone	ND		mg/kg	0.011	0.00076	1
Chlorobenzene	ND		mg/kg	0.0011	0.00039	1
Ethylbenzene	ND		mg/kg	0.0011	0.00014	1
p/m-Xylene	ND		mg/kg	0.0023	0.00022	1
o-Xylene	ND		mg/kg	0.0023	0.00019	1
Xylenes, Total	ND		mg/kg	0.0023	0.00019	1
Styrene	ND		mg/kg	0.0023	0.00046	1
Bromoform	ND		mg/kg	0.0045	0.00027	1
Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0011	0.00011	1
1,3-Dichlorobenzene	ND		mg/kg	0.0057	0.00015	1
1,4-Dichlorobenzene	ND		mg/kg	0.0057	0.00016	1
1,2-Dichlorobenzene	ND		mg/kg	0.0057	0.00017	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0057	0.00045	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0057	0.00021	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0057	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	90		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-11
Client ID: DP-155-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 12:51
Analyst: BN
Percent Solids: 85%

Date Collected: 07/21/16 07:30
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00022	1
Chloromethane	0.00085	J	mg/kg	0.0059	0.00034	1
Vinyl chloride	ND		mg/kg	0.0023	0.00014	1
Bromomethane	ND		mg/kg	0.0023	0.00040	1
Chloroethane	ND		mg/kg	0.0023	0.00037	1
Trichlorofluoromethane	ND		mg/kg	0.0059	0.00045	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00031	1
Carbon disulfide	ND		mg/kg	0.012	0.0013	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.023	0.00032	1
Methylene chloride	0.0016	J	mg/kg	0.0059	0.0013	1
Acetone	0.40	E	mg/kg	0.042	0.0012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0018	0.00025	1
Methyl Acetate	ND		mg/kg	0.0047	0.00032	1
Methyl tert butyl ether	0.0026		mg/kg	0.0023	0.00009	1
1,1-Dichloroethane	ND		mg/kg	0.0018	0.00010	1
cis-1,2-Dichloroethene	0.0023		mg/kg	0.0012	0.00017	1
1,2-Dichloroethene, Total	0.0023		mg/kg	0.0012	0.00017	1
Cyclohexane	ND		mg/kg	0.023	0.00017	1
Bromochloromethane	ND		mg/kg	0.0059	0.00032	1
Chloroform	ND		mg/kg	0.0018	0.00043	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00025	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00013	1
2-Butanone	0.070		mg/kg	0.012	0.00032	1
Benzene	0.0068		mg/kg	0.0012	0.00014	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00013	1
Methyl cyclohexane	0.0010	J	mg/kg	0.0047	0.00018	1
Trichloroethene	0.00094	J	mg/kg	0.0012	0.00015	1
1,2-Dichloropropane	ND		mg/kg	0.0041	0.00027	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00020	1
1,4-Dioxane	ND		mg/kg	0.12	0.017	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-11
Client ID: DP-155-SO-050-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 07:30
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
Toluene	0.021		mg/kg	0.0018	0.00023	1
4-Methyl-2-pentanone	0.042		mg/kg	0.012	0.00029	1
Tetrachloroethene	0.0012		mg/kg	0.0012	0.00016	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0018	0.00036	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00018	1
1,2-Dibromoethane	ND		mg/kg	0.0047	0.00020	1
2-Hexanone	ND		mg/kg	0.012	0.00078	1
Chlorobenzene	ND		mg/kg	0.0012	0.00041	1
Ethylbenzene	0.024		mg/kg	0.0012	0.00015	1
p/m-Xylene	0.054		mg/kg	0.0023	0.00023	1
o-Xylene	0.036		mg/kg	0.0023	0.00020	1
Xylenes, Total	0.090		mg/kg	0.0023	0.00020	1
Styrene	0.031		mg/kg	0.0023	0.00047	1
Bromoform	ND		mg/kg	0.0047	0.00028	1
Isopropylbenzene	0.0030		mg/kg	0.0012	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0059	0.00016	1
1,4-Dichlorobenzene	0.00061	J	mg/kg	0.0059	0.00016	1
1,2-Dichlorobenzene	0.00060	J	mg/kg	0.0059	0.00018	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0059	0.00046	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0059	0.00021	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0059	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	90		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-11 D
Client ID: DP-155-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/27/16 09:33
Analyst: BN
Percent Solids: 85%

Date Collected: 07/21/16 07:30
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	0.34		mg/kg	0.10	0.0030	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-12
Client ID: DP-155-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 13:18
Analyst: BN
Percent Solids: 86%

Date Collected: 07/21/16 07:35
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00022	1
Chloromethane	ND		mg/kg	0.0058	0.00034	1
Vinyl chloride	ND		mg/kg	0.0023	0.00014	1
Bromomethane	ND		mg/kg	0.0023	0.00039	1
Chloroethane	ND		mg/kg	0.0023	0.00037	1
Trichlorofluoromethane	ND		mg/kg	0.0058	0.00045	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00030	1
Carbon disulfide	ND		mg/kg	0.012	0.0013	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.023	0.00032	1
Methylene chloride	ND		mg/kg	0.0058	0.0013	1
Acetone	0.092		mg/kg	0.042	0.0012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0017	0.00024	1
Methyl Acetate	ND		mg/kg	0.0046	0.00031	1
Methyl tert butyl ether	0.00078	J	mg/kg	0.0023	0.00009	1
1,1-Dichloroethane	ND		mg/kg	0.0017	0.00009	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00016	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00016	1
Cyclohexane	ND		mg/kg	0.023	0.00017	1
Bromochloromethane	ND		mg/kg	0.0058	0.00032	1
Chloroform	ND		mg/kg	0.0017	0.00043	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00013	1
2-Butanone	0.0068	J	mg/kg	0.012	0.00032	1
Benzene	ND		mg/kg	0.0012	0.00014	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00013	1
Methyl cyclohexane	ND		mg/kg	0.0046	0.00018	1
Trichloroethene	ND		mg/kg	0.0012	0.00014	1
1,2-Dichloropropane	ND		mg/kg	0.0041	0.00026	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00020	1
1,4-Dioxane	ND		mg/kg	0.12	0.017	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-12
Client ID: DP-155-SO-100-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 07:35
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
Toluene	ND		mg/kg	0.0017	0.00022	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00028	1
Tetrachloroethene	ND		mg/kg	0.0012	0.00016	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0017	0.00035	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00018	1
1,2-Dibromoethane	ND		mg/kg	0.0046	0.00020	1
2-Hexanone	ND		mg/kg	0.012	0.00077	1
Chlorobenzene	ND		mg/kg	0.0012	0.00040	1
Ethylbenzene	ND		mg/kg	0.0012	0.00015	1
p/m-Xylene	ND		mg/kg	0.0023	0.00023	1
o-Xylene	ND		mg/kg	0.0023	0.00020	1
Xylenes, Total	ND		mg/kg	0.0023	0.00020	1
Styrene	ND		mg/kg	0.0023	0.00047	1
Bromoform	ND		mg/kg	0.0046	0.00027	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0058	0.00016	1
1,4-Dichlorobenzene	ND		mg/kg	0.0058	0.00016	1
1,2-Dichlorobenzene	ND		mg/kg	0.0058	0.00018	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0058	0.00046	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0058	0.00021	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0058	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	88		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-13
Client ID: DP-154-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 13:44
Analyst: BN
Percent Solids: 79%

Date Collected: 07/21/16 10:40
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.013	0.00024	1
Chloromethane	ND		mg/kg	0.0063	0.00037	1
Vinyl chloride	ND		mg/kg	0.0025	0.00015	1
Bromomethane	ND		mg/kg	0.0025	0.00043	1
Chloroethane	ND		mg/kg	0.0025	0.00040	1
Trichlorofluoromethane	ND		mg/kg	0.0063	0.00049	1
1,1-Dichloroethene	ND		mg/kg	0.0013	0.00033	1
Carbon disulfide	ND		mg/kg	0.013	0.0014	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.025	0.00035	1
Methylene chloride	ND		mg/kg	0.0063	0.0014	1
Acetone	0.092		mg/kg	0.046	0.0013	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0019	0.00027	1
Methyl Acetate	ND		mg/kg	0.0050	0.00034	1
Methyl tert butyl ether	ND		mg/kg	0.0025	0.00011	1
1,1-Dichloroethane	ND		mg/kg	0.0019	0.00011	1
cis-1,2-Dichloroethene	0.00025	J	mg/kg	0.0013	0.00018	1
1,2-Dichloroethene, Total	0.00025	J	mg/kg	0.0013	0.00018	1
Cyclohexane	ND		mg/kg	0.025	0.00018	1
Bromochloromethane	ND		mg/kg	0.0063	0.00035	1
Chloroform	ND		mg/kg	0.0019	0.00047	1
Carbon tetrachloride	ND		mg/kg	0.0013	0.00026	1
1,1,1-Trichloroethane	ND		mg/kg	0.0013	0.00014	1
2-Butanone	0.017		mg/kg	0.013	0.00034	1
Benzene	0.0033		mg/kg	0.0013	0.00015	1
1,2-Dichloroethane	ND		mg/kg	0.0013	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0050	0.00020	1
Trichloroethene	ND		mg/kg	0.0013	0.00016	1
1,2-Dichloropropane	ND		mg/kg	0.0044	0.00029	1
Bromodichloromethane	ND		mg/kg	0.0013	0.00022	1
1,4-Dioxane	ND		mg/kg	0.13	0.018	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-13
Client ID: DP-154-SO-010-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 10:40
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0013	0.00015	1
Toluene	0.0085		mg/kg	0.0019	0.00025	1
4-Methyl-2-pentanone	0.0074	J	mg/kg	0.013	0.00031	1
Tetrachloroethene	0.00031	J	mg/kg	0.0013	0.00018	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0013	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0013	0.00015	1
1,1,2-Trichloroethane	ND		mg/kg	0.0019	0.00038	1
Dibromochloromethane	ND		mg/kg	0.0013	0.00019	1
1,2-Dibromoethane	ND		mg/kg	0.0050	0.00022	1
2-Hexanone	ND		mg/kg	0.013	0.00084	1
Chlorobenzene	ND		mg/kg	0.0013	0.00044	1
Ethylbenzene	0.0035		mg/kg	0.0013	0.00016	1
p/m-Xylene	0.0083		mg/kg	0.0025	0.00025	1
o-Xylene	0.0049		mg/kg	0.0025	0.00022	1
Xylenes, Total	0.013		mg/kg	0.0025	0.00022	1
Styrene	0.0039		mg/kg	0.0025	0.00051	1
Bromoform	ND		mg/kg	0.0050	0.00030	1
Isopropylbenzene	0.00062	J	mg/kg	0.0013	0.00013	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0013	0.00013	1
1,3-Dichlorobenzene	ND		mg/kg	0.0063	0.00017	1
1,4-Dichlorobenzene	ND		mg/kg	0.0063	0.00017	1
1,2-Dichlorobenzene	ND		mg/kg	0.0063	0.00019	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0063	0.00050	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0063	0.00023	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0063	0.00019	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	85		70-130

Project Name: DC UNITED **Lab Number:** L1622741

Project Number: 40223-004 **Report Date:** 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-14 D
Client ID: DP-154-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/16 17:48
Analyst: BN
Percent Solids: 83%

Date Collected: 07/21/16 10:45
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.030	0.00057	2.5
Chloromethane	ND		mg/kg	0.015	0.00088	2.5
Vinyl chloride	0.0064		mg/kg	0.0060	0.00035	2.5
Bromomethane	ND		mg/kg	0.0060	0.0010	2.5
Chloroethane	ND		mg/kg	0.0060	0.00095	2.5
Trichlorofluoromethane	0.011	J	mg/kg	0.015	0.0012	2.5
1,1-Dichloroethene	ND		mg/kg	0.0030	0.00078	2.5
Carbon disulfide	ND		mg/kg	0.030	0.0033	2.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.0012	J	mg/kg	0.060	0.00082	2.5
Methylene chloride	ND		mg/kg	0.015	0.0033	2.5
Acetone	0.53		mg/kg	0.11	0.0031	2.5
trans-1,2-Dichloroethene	0.00079	J	mg/kg	0.0045	0.00064	2.5
Methyl Acetate	ND		mg/kg	0.012	0.00081	2.5
Methyl tert butyl ether	0.013		mg/kg	0.0060	0.00025	2.5
1,1-Dichloroethane	ND		mg/kg	0.0045	0.00026	2.5
cis-1,2-Dichloroethene	0.0018	J	mg/kg	0.0030	0.00043	2.5
1,2-Dichloroethene, Total	0.0026	J	mg/kg	0.0030	0.00043	2.5
Cyclohexane	ND		mg/kg	0.060	0.00044	2.5
Bromochloromethane	ND		mg/kg	0.015	0.00083	2.5
Chloroform	ND		mg/kg	0.0045	0.0011	2.5
Carbon tetrachloride	ND		mg/kg	0.0030	0.00063	2.5
1,1,1-Trichloroethane	ND		mg/kg	0.0030	0.00033	2.5
2-Butanone	0.16		mg/kg	0.030	0.00082	2.5
Benzene	0.0015	J	mg/kg	0.0030	0.00035	2.5
1,2-Dichloroethane	ND		mg/kg	0.0030	0.00034	2.5
Methyl cyclohexane	0.0032	J	mg/kg	0.012	0.00046	2.5
Trichloroethene	ND		mg/kg	0.0030	0.00037	2.5
1,2-Dichloropropane	ND		mg/kg	0.010	0.00068	2.5
Bromodichloromethane	ND		mg/kg	0.0030	0.00052	2.5
1,4-Dioxane	ND		mg/kg	0.30	0.043	2.5

Project Name: DC UNITED **Lab Number:** L1622741

Project Number: 40223-004 **Report Date:** 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-14 D Date Collected: 07/21/16 10:45

Client ID: DP-154-SO-050-01 Date Received: 07/21/16

Sample Location: WASHINGTON, D.C. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0030	0.00035	2.5
Toluene	0.0076		mg/kg	0.0045	0.00058	2.5
4-Methyl-2-pentanone	0.018	J	mg/kg	0.030	0.00073	2.5
Tetrachloroethene	ND		mg/kg	0.0030	0.00042	2.5
trans-1,3-Dichloropropene	ND		mg/kg	0.0030	0.00036	2.5
1,3-Dichloropropene, Total	ND		mg/kg	0.0030	0.00035	2.5
1,1,2-Trichloroethane	ND		mg/kg	0.0045	0.00091	2.5
Dibromochloromethane	ND		mg/kg	0.0030	0.00046	2.5
1,2-Dibromoethane	ND		mg/kg	0.012	0.00052	2.5
2-Hexanone	ND		mg/kg	0.030	0.0020	2.5
Chlorobenzene	ND		mg/kg	0.0030	0.0010	2.5
Ethylbenzene	0.0016	J	mg/kg	0.0030	0.00038	2.5
p/m-Xylene	0.0030	J	mg/kg	0.0060	0.00059	2.5
o-Xylene	0.0036	J	mg/kg	0.0060	0.00051	2.5
Xylenes, Total	0.0066	J	mg/kg	0.0060	0.00051	2.5
Styrene	ND		mg/kg	0.0060	0.0012	2.5
Bromoform	ND		mg/kg	0.012	0.00071	2.5
Isopropylbenzene	0.0035		mg/kg	0.0030	0.00031	2.5
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0030	0.00030	2.5
1,3-Dichlorobenzene	ND		mg/kg	0.015	0.00040	2.5
1,4-Dichlorobenzene	ND		mg/kg	0.015	0.00041	2.5
1,2-Dichlorobenzene	ND		mg/kg	0.015	0.00046	2.5
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.015	0.0012	2.5
1,2,4-Trichlorobenzene	ND		mg/kg	0.015	0.00054	2.5
1,2,3-Trichlorobenzene	ND		mg/kg	0.015	0.00044	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	75		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	84		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-15 D
Client ID: DP-154-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/16 18:14
Analyst: BN
Percent Solids: 76%

Date Collected: 07/21/16 10:50
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.066	0.0012	5
Chloromethane	ND		mg/kg	0.033	0.0019	5
Vinyl chloride	0.0019	J	mg/kg	0.013	0.00077	5
Bromomethane	ND		mg/kg	0.013	0.0022	5
Chloroethane	ND		mg/kg	0.013	0.0021	5
Trichlorofluoromethane	0.051		mg/kg	0.033	0.0026	5
1,1-Dichloroethene	ND		mg/kg	0.0066	0.0017	5
Carbon disulfide	ND		mg/kg	0.066	0.0072	5
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.13	0.0018	5
Methylene chloride	ND		mg/kg	0.033	0.0073	5
Acetone	0.42		mg/kg	0.24	0.0068	5
trans-1,2-Dichloroethene	ND		mg/kg	0.0099	0.0014	5
Methyl Acetate	ND		mg/kg	0.026	0.0018	5
Methyl tert butyl ether	0.0046	J	mg/kg	0.013	0.00056	5
1,1-Dichloroethane	ND		mg/kg	0.0099	0.00056	5
cis-1,2-Dichloroethene	ND		mg/kg	0.0066	0.00094	5
1,2-Dichloroethene, Total	ND		mg/kg	0.0066	0.00094	5
Cyclohexane	ND		mg/kg	0.13	0.00096	5
Bromochloromethane	ND		mg/kg	0.033	0.0018	5
Chloroform	ND		mg/kg	0.0099	0.0024	5
Carbon tetrachloride	ND		mg/kg	0.0066	0.0014	5
1,1,1-Trichloroethane	ND		mg/kg	0.0066	0.00073	5
2-Butanone	0.14		mg/kg	0.066	0.0018	5
Benzene	ND		mg/kg	0.0066	0.00078	5
1,2-Dichloroethane	ND		mg/kg	0.0066	0.00075	5
Methyl cyclohexane	0.0092	J	mg/kg	0.026	0.0010	5
Trichloroethene	ND		mg/kg	0.0066	0.00082	5
1,2-Dichloropropane	ND		mg/kg	0.023	0.0015	5
Bromodichloromethane	ND		mg/kg	0.0066	0.0011	5
1,4-Dioxane	ND		mg/kg	0.66	0.095	5

Project Name: DC UNITED **Lab Number:** L1622741

Project Number: 40223-004 **Report Date:** 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-15 D Date Collected: 07/21/16 10:50

Client ID: DP-154-SO-100-01 Date Received: 07/21/16

Sample Location: WASHINGTON, D.C. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0066	0.00077	5
Toluene	ND		mg/kg	0.0099	0.0013	5
4-Methyl-2-pentanone	ND		mg/kg	0.066	0.0016	5
Tetrachloroethene	ND		mg/kg	0.0066	0.00092	5
trans-1,3-Dichloropropene	ND		mg/kg	0.0066	0.00079	5
1,3-Dichloropropene, Total	ND		mg/kg	0.0066	0.00077	5
1,1,2-Trichloroethane	ND		mg/kg	0.0099	0.0020	5
Dibromochloromethane	ND		mg/kg	0.0066	0.0010	5
1,2-Dibromoethane	ND		mg/kg	0.026	0.0011	5
2-Hexanone	ND		mg/kg	0.066	0.0044	5
Chlorobenzene	ND		mg/kg	0.0066	0.0023	5
Ethylbenzene	ND		mg/kg	0.0066	0.00084	5
p/m-Xylene	0.0020	J	mg/kg	0.013	0.0013	5
o-Xylene	0.0030	J	mg/kg	0.013	0.0011	5
Xylenes, Total	0.0050	J	mg/kg	0.013	0.0011	5
Styrene	ND		mg/kg	0.013	0.0026	5
Bromoform	ND		mg/kg	0.026	0.0016	5
Isopropylbenzene	0.0039	J	mg/kg	0.0066	0.00068	5
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0066	0.00066	5
1,3-Dichlorobenzene	ND		mg/kg	0.033	0.00089	5
1,4-Dichlorobenzene	ND		mg/kg	0.033	0.00091	5
1,2-Dichlorobenzene	ND		mg/kg	0.033	0.0010	5
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.033	0.0026	5
1,2,4-Trichlorobenzene	ND		mg/kg	0.033	0.0012	5
1,2,3-Trichlorobenzene	ND		mg/kg	0.033	0.00097	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	74		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	128		70-130
Dibromofluoromethane	83		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-16
Client ID: DP-156-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 14:11
Analyst: BN
Percent Solids: 80%

Date Collected: 07/21/16 10:25
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00024	1
Chloromethane	ND		mg/kg	0.0063	0.00037	1
Vinyl chloride	0.00041	J	mg/kg	0.0025	0.00015	1
Bromomethane	ND		mg/kg	0.0025	0.00042	1
Chloroethane	ND		mg/kg	0.0025	0.00040	1
Trichlorofluoromethane	ND		mg/kg	0.0063	0.00049	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00033	1
Carbon disulfide	ND		mg/kg	0.012	0.0014	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.025	0.00034	1
Methylene chloride	ND		mg/kg	0.0063	0.0014	1
Acetone	0.12		mg/kg	0.045	0.0013	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0019	0.00026	1
Methyl Acetate	ND		mg/kg	0.0050	0.00034	1
Methyl tert butyl ether	ND		mg/kg	0.0025	0.00010	1
1,1-Dichloroethane	ND		mg/kg	0.0019	0.00011	1
cis-1,2-Dichloroethene	0.00083	J	mg/kg	0.0012	0.00018	1
1,2-Dichloroethene, Total	0.00083	J	mg/kg	0.0012	0.00018	1
Cyclohexane	ND		mg/kg	0.025	0.00018	1
Bromochloromethane	ND		mg/kg	0.0063	0.00035	1
Chloroform	ND		mg/kg	0.0019	0.00046	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00026	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00014	1
2-Butanone	0.020		mg/kg	0.012	0.00034	1
Benzene	0.00021	J	mg/kg	0.0012	0.00015	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0050	0.00019	1
Trichloroethene	ND		mg/kg	0.0012	0.00016	1
1,2-Dichloropropane	ND		mg/kg	0.0044	0.00029	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00022	1
1,4-Dioxane	ND		mg/kg	0.12	0.018	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-16
Client ID: DP-156-SO-010-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 10:25
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00015	1
Toluene	0.0010	J	mg/kg	0.0019	0.00024	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00031	1
Tetrachloroethene	ND		mg/kg	0.0012	0.00018	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00015	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00015	1
1,1,2-Trichloroethane	ND		mg/kg	0.0019	0.00038	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00019	1
1,2-Dibromoethane	ND		mg/kg	0.0050	0.00022	1
2-Hexanone	ND		mg/kg	0.012	0.00084	1
Chlorobenzene	ND		mg/kg	0.0012	0.00044	1
Ethylbenzene	0.0011	J	mg/kg	0.0012	0.00016	1
p/m-Xylene	0.0010	J	mg/kg	0.0025	0.00025	1
o-Xylene	0.0011	J	mg/kg	0.0025	0.00022	1
Xylenes, Total	0.0021	J	mg/kg	0.0025	0.00022	1
Styrene	ND		mg/kg	0.0025	0.00050	1
Bromoform	ND		mg/kg	0.0050	0.00030	1
Isopropylbenzene	0.00020	J	mg/kg	0.0012	0.00013	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00013	1
1,3-Dichlorobenzene	ND		mg/kg	0.0063	0.00017	1
1,4-Dichlorobenzene	ND		mg/kg	0.0063	0.00017	1
1,2-Dichlorobenzene	ND		mg/kg	0.0063	0.00019	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0063	0.00050	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0063	0.00023	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0063	0.00018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	79		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	85		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-17
Client ID: DP-156-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 14:37
Analyst: BN
Percent Solids: 75%

Date Collected: 07/21/16 10:30
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.013	0.00026	1
Chloromethane	ND		mg/kg	0.0067	0.00039	1
Vinyl chloride	ND		mg/kg	0.0027	0.00016	1
Bromomethane	ND		mg/kg	0.0027	0.00045	1
Chloroethane	ND		mg/kg	0.0027	0.00042	1
Trichlorofluoromethane	ND		mg/kg	0.0067	0.00052	1
1,1-Dichloroethene	ND		mg/kg	0.0013	0.00035	1
Carbon disulfide	ND		mg/kg	0.013	0.0015	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.027	0.00037	1
Methylene chloride	ND		mg/kg	0.0067	0.0015	1
Acetone	0.082		mg/kg	0.048	0.0014	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0020	0.00028	1
Methyl Acetate	ND		mg/kg	0.0053	0.00036	1
Methyl tert butyl ether	0.00086	J	mg/kg	0.0027	0.00011	1
1,1-Dichloroethane	ND		mg/kg	0.0020	0.00011	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0013	0.00019	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0013	0.00019	1
Cyclohexane	ND		mg/kg	0.027	0.00020	1
Bromochloromethane	ND		mg/kg	0.0067	0.00037	1
Chloroform	ND		mg/kg	0.0020	0.00049	1
Carbon tetrachloride	ND		mg/kg	0.0013	0.00028	1
1,1,1-Trichloroethane	ND		mg/kg	0.0013	0.00015	1
2-Butanone	0.010	J	mg/kg	0.013	0.00036	1
Benzene	ND		mg/kg	0.0013	0.00016	1
1,2-Dichloroethane	ND		mg/kg	0.0013	0.00015	1
Methyl cyclohexane	ND		mg/kg	0.0053	0.00021	1
Trichloroethene	ND		mg/kg	0.0013	0.00017	1
1,2-Dichloropropane	ND		mg/kg	0.0047	0.00030	1
Bromodichloromethane	ND		mg/kg	0.0013	0.00023	1
1,4-Dioxane	ND		mg/kg	0.13	0.019	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-17
Client ID: DP-156-SO-050-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 10:30
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0013	0.00016	1
Toluene	ND		mg/kg	0.0020	0.00026	1
4-Methyl-2-pentanone	ND		mg/kg	0.013	0.00033	1
Tetrachloroethene	ND		mg/kg	0.0013	0.00019	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0013	0.00016	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0013	0.00016	1
1,1,2-Trichloroethane	ND		mg/kg	0.0020	0.00041	1
Dibromochloromethane	ND		mg/kg	0.0013	0.00020	1
1,2-Dibromoethane	ND		mg/kg	0.0053	0.00023	1
2-Hexanone	ND		mg/kg	0.013	0.00089	1
Chlorobenzene	ND		mg/kg	0.0013	0.00046	1
Ethylbenzene	ND		mg/kg	0.0013	0.00017	1
p/m-Xylene	ND		mg/kg	0.0027	0.00026	1
o-Xylene	ND		mg/kg	0.0027	0.00023	1
Xylenes, Total	ND		mg/kg	0.0027	0.00023	1
Styrene	ND		mg/kg	0.0027	0.00054	1
Bromoform	ND		mg/kg	0.0053	0.00032	1
Isopropylbenzene	ND		mg/kg	0.0013	0.00014	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0013	0.00013	1
1,3-Dichlorobenzene	ND		mg/kg	0.0067	0.00018	1
1,4-Dichlorobenzene	ND		mg/kg	0.0067	0.00018	1
1,2-Dichlorobenzene	ND		mg/kg	0.0067	0.00020	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0067	0.00053	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0067	0.00024	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0067	0.00020	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	88		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-18
Client ID: DP-156-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 15:04
Analyst: BN
Percent Solids: 61%

Date Collected: 07/21/16 10:35
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.016	0.00032	1
Chloromethane	ND		mg/kg	0.0083	0.00048	1
Vinyl chloride	ND		mg/kg	0.0033	0.00019	1
Bromomethane	ND		mg/kg	0.0033	0.00056	1
Chloroethane	ND		mg/kg	0.0033	0.00052	1
Trichlorofluoromethane	ND		mg/kg	0.0083	0.00064	1
1,1-Dichloroethene	ND		mg/kg	0.0016	0.00043	1
Carbon disulfide	ND		mg/kg	0.016	0.0018	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.033	0.00045	1
Methylene chloride	ND		mg/kg	0.0083	0.0018	1
Acetone	0.046	J	mg/kg	0.060	0.0017	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0025	0.00035	1
Methyl Acetate	ND		mg/kg	0.0066	0.00045	1
Methyl tert butyl ether	0.0093		mg/kg	0.0033	0.00014	1
1,1-Dichloroethane	ND		mg/kg	0.0025	0.00014	1
cis-1,2-Dichloroethene	0.00042	J	mg/kg	0.0016	0.00024	1
1,2-Dichloroethene, Total	0.00042	J	mg/kg	0.0016	0.00024	1
Cyclohexane	ND		mg/kg	0.033	0.00024	1
Bromochloromethane	ND		mg/kg	0.0083	0.00046	1
Chloroform	ND		mg/kg	0.0025	0.00061	1
Carbon tetrachloride	ND		mg/kg	0.0016	0.00035	1
1,1,1-Trichloroethane	ND		mg/kg	0.0016	0.00018	1
2-Butanone	0.0058	J	mg/kg	0.016	0.00045	1
Benzene	ND		mg/kg	0.0016	0.00020	1
1,2-Dichloroethane	ND		mg/kg	0.0016	0.00019	1
Methyl cyclohexane	ND		mg/kg	0.0066	0.00026	1
Trichloroethene	0.00089	J	mg/kg	0.0016	0.00021	1
1,2-Dichloropropane	ND		mg/kg	0.0058	0.00038	1
Bromodichloromethane	ND		mg/kg	0.0016	0.00029	1
1,4-Dioxane	ND		mg/kg	0.16	0.024	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-18
Client ID: DP-156-SO-100-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 10:35
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0016	0.00019	1
Toluene	ND		mg/kg	0.0025	0.00032	1
4-Methyl-2-pentanone	ND		mg/kg	0.016	0.00040	1
Tetrachloroethene	ND		mg/kg	0.0016	0.00023	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0016	0.00020	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0016	0.00019	1
1,1,2-Trichloroethane	ND		mg/kg	0.0025	0.00050	1
Dibromochloromethane	ND		mg/kg	0.0016	0.00025	1
1,2-Dibromoethane	ND		mg/kg	0.0066	0.00029	1
2-Hexanone	ND		mg/kg	0.016	0.0011	1
Chlorobenzene	ND		mg/kg	0.0016	0.00058	1
Ethylbenzene	ND		mg/kg	0.0016	0.00021	1
p/m-Xylene	ND		mg/kg	0.0033	0.00033	1
o-Xylene	ND		mg/kg	0.0033	0.00028	1
Xylenes, Total	ND		mg/kg	0.0033	0.00028	1
Styrene	ND		mg/kg	0.0033	0.00066	1
Bromoform	ND		mg/kg	0.0066	0.00039	1
Isopropylbenzene	ND		mg/kg	0.0016	0.00017	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0016	0.00017	1
1,3-Dichlorobenzene	ND		mg/kg	0.0083	0.00022	1
1,4-Dichlorobenzene	ND		mg/kg	0.0083	0.00023	1
1,2-Dichlorobenzene	ND		mg/kg	0.0083	0.00025	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0083	0.00065	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0083	0.00030	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0083	0.00024	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	89		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-19
Client ID: DP-157-SO-010-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 15:30
Analyst: BN
Percent Solids: 88%

Date Collected: 07/21/16 10:05
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.011	0.00022	1
Chloromethane	ND		mg/kg	0.0057	0.00034	1
Vinyl chloride	ND		mg/kg	0.0023	0.00013	1
Bromomethane	ND		mg/kg	0.0023	0.00038	1
Chloroethane	ND		mg/kg	0.0023	0.00036	1
Trichlorofluoromethane	ND		mg/kg	0.0057	0.00044	1
1,1-Dichloroethene	ND		mg/kg	0.0011	0.00030	1
Carbon disulfide	ND		mg/kg	0.011	0.0012	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.023	0.00031	1
Methylene chloride	ND		mg/kg	0.0057	0.0013	1
Acetone	0.063		mg/kg	0.041	0.0012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0017	0.00024	1
Methyl Acetate	ND		mg/kg	0.0046	0.00031	1
Methyl tert butyl ether	ND		mg/kg	0.0023	0.00009	1
1,1-Dichloroethane	ND		mg/kg	0.0017	0.00009	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	0.00016	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0011	0.00016	1
Cyclohexane	ND		mg/kg	0.023	0.00017	1
Bromochloromethane	ND		mg/kg	0.0057	0.00032	1
Chloroform	ND		mg/kg	0.0017	0.00042	1
Carbon tetrachloride	ND		mg/kg	0.0011	0.00024	1
1,1,1-Trichloroethane	ND		mg/kg	0.0011	0.00013	1
2-Butanone	0.0063	J	mg/kg	0.011	0.00031	1
Benzene	ND		mg/kg	0.0011	0.00013	1
1,2-Dichloroethane	ND		mg/kg	0.0011	0.00013	1
Methyl cyclohexane	ND		mg/kg	0.0046	0.00018	1
Trichloroethene	ND		mg/kg	0.0011	0.00014	1
1,2-Dichloropropane	ND		mg/kg	0.0040	0.00026	1
Bromodichloromethane	ND		mg/kg	0.0011	0.00020	1
1,4-Dioxane	ND		mg/kg	0.11	0.016	1

Project Name: DC UNITED **Lab Number:** L1622741

Project Number: 40223-004 **Report Date:** 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-19 Date Collected: 07/21/16 10:05

Client ID: DP-157-SO-010-01 Date Received: 07/21/16

Sample Location: WASHINGTON, D.C. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00013	1
Toluene	0.00030	J	mg/kg	0.0017	0.00022	1
4-Methyl-2-pentanone	ND		mg/kg	0.011	0.00028	1
Tetrachloroethene	ND		mg/kg	0.0011	0.00016	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0011	0.00013	1
1,1,2-Trichloroethane	ND		mg/kg	0.0017	0.00035	1
Dibromochloromethane	ND		mg/kg	0.0011	0.00018	1
1,2-Dibromoethane	ND		mg/kg	0.0046	0.00020	1
2-Hexanone	ND		mg/kg	0.011	0.00076	1
Chlorobenzene	ND		mg/kg	0.0011	0.00040	1
Ethylbenzene	0.00046	J	mg/kg	0.0011	0.00014	1
p/m-Xylene	0.00073	J	mg/kg	0.0023	0.00022	1
o-Xylene	0.00046	J	mg/kg	0.0023	0.00020	1
Xylenes, Total	0.0012	J	mg/kg	0.0023	0.00020	1
Styrene	0.00084	J	mg/kg	0.0023	0.00046	1
Bromoform	ND		mg/kg	0.0046	0.00027	1
Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0011	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0057	0.00015	1
1,4-Dichlorobenzene	ND		mg/kg	0.0057	0.00016	1
1,2-Dichlorobenzene	ND		mg/kg	0.0057	0.00017	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0057	0.00045	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0057	0.00021	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0057	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	90		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-20
Client ID: DP-157-SO-050-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 15:57
Analyst: BN
Percent Solids: 84%

Date Collected: 07/21/16 10:10
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00023	1
Chloromethane	ND		mg/kg	0.0060	0.00035	1
Vinyl chloride	ND		mg/kg	0.0024	0.00014	1
Bromomethane	ND		mg/kg	0.0024	0.00040	1
Chloroethane	ND		mg/kg	0.0024	0.00038	1
Trichlorofluoromethane	ND		mg/kg	0.0060	0.00046	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00031	1
Carbon disulfide	ND		mg/kg	0.012	0.0013	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.024	0.00033	1
Methylene chloride	ND		mg/kg	0.0060	0.0013	1
Acetone	0.067		mg/kg	0.043	0.0012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0018	0.00025	1
Methyl Acetate	ND		mg/kg	0.0048	0.00032	1
Methyl tert butyl ether	0.00057	J	mg/kg	0.0024	0.00010	1
1,1-Dichloroethane	ND		mg/kg	0.0018	0.00010	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00017	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00017	1
Cyclohexane	ND		mg/kg	0.024	0.00017	1
Bromochloromethane	ND		mg/kg	0.0060	0.00033	1
Chloroform	ND		mg/kg	0.0018	0.00044	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00025	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00013	1
2-Butanone	0.0063	J	mg/kg	0.012	0.00032	1
Benzene	ND		mg/kg	0.0012	0.00014	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0048	0.00018	1
Trichloroethene	ND		mg/kg	0.0012	0.00015	1
1,2-Dichloropropane	ND		mg/kg	0.0042	0.00027	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00021	1
1,4-Dioxane	ND		mg/kg	0.12	0.017	1

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-20
Client ID: DP-157-SO-050-01
Sample Location: WASHINGTON, D.C.
Date Collected: 07/21/16 10:10
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
Toluene	ND		mg/kg	0.0018	0.00023	1
4-Methyl-2-pentanone	ND		mg/kg	0.012	0.00029	1
Tetrachloroethene	ND		mg/kg	0.0012	0.00017	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0012	0.00014	1
1,3-Dichloropropene, Total	ND		mg/kg	0.0012	0.00014	1
1,1,2-Trichloroethane	ND		mg/kg	0.0018	0.00036	1
Dibromochloromethane	ND		mg/kg	0.0012	0.00018	1
1,2-Dibromoethane	ND		mg/kg	0.0048	0.00021	1
2-Hexanone	ND		mg/kg	0.012	0.00079	1
Chlorobenzene	ND		mg/kg	0.0012	0.00041	1
Ethylbenzene	ND		mg/kg	0.0012	0.00015	1
p/m-Xylene	ND		mg/kg	0.0024	0.00024	1
o-Xylene	ND		mg/kg	0.0024	0.00020	1
Xylenes, Total	ND		mg/kg	0.0024	0.00020	1
Styrene	ND		mg/kg	0.0024	0.00048	1
Bromoform	ND		mg/kg	0.0048	0.00028	1
Isopropylbenzene	ND		mg/kg	0.0012	0.00012	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0012	0.00012	1
1,3-Dichlorobenzene	ND		mg/kg	0.0060	0.00016	1
1,4-Dichlorobenzene	ND		mg/kg	0.0060	0.00016	1
1,2-Dichlorobenzene	ND		mg/kg	0.0060	0.00018	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0060	0.00047	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0060	0.00022	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0060	0.00018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	88		70-130

Project Name: DC UNITED
Project Number: 40223-004
Lab Number: L1622741
Report Date: 07/31/16

SAMPLE RESULTS

Lab ID: L1622741-21
Client ID: DP-157-SO-100-01
Sample Location: WASHINGTON, D.C.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/16 16:23
Analyst: BN
Percent Solids: 83%

Date Collected: 07/21/16 10:15
Date Received: 07/21/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.012	0.00023	1
Chloromethane	ND		mg/kg	0.0060	0.00035	1
Vinyl chloride	ND		mg/kg	0.0024	0.00014	1
Bromomethane	ND		mg/kg	0.0024	0.00040	1
Chloroethane	ND		mg/kg	0.0024	0.00038	1
Trichlorofluoromethane	ND		mg/kg	0.0060	0.00046	1
1,1-Dichloroethene	ND		mg/kg	0.0012	0.00031	1
Carbon disulfide	ND		mg/kg	0.012	0.0013	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.024	0.00033	1
Methylene chloride	ND		mg/kg	0.0060	0.0013	1
Acetone	0.071		mg/kg	0.043	0.0012	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0018	0.00025	1
Methyl Acetate	ND		mg/kg	0.0048	0.00032	1
Methyl tert butyl ether	0.00027	J	mg/kg	0.0024	0.00010	1
1,1-Dichloroethane	ND		mg/kg	0.0018	0.00010	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0012	0.00017	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0012	0.00017	1
Cyclohexane	ND		mg/kg	0.024	0.00018	1
Bromochloromethane	ND		mg/kg	0.0060	0.00033	1
Chloroform	ND		mg/kg	0.0018	0.00044	1
Carbon tetrachloride	ND		mg/kg	0.0012	0.00025	1
1,1,1-Trichloroethane	ND		mg/kg	0.0012	0.00013	1
2-Butanone	0.0062	J	mg/kg	0.012	0.00033	1
Benzene	ND		mg/kg	0.0012	0.00014	1
1,2-Dichloroethane	ND		mg/kg	0.0012	0.00014	1
Methyl cyclohexane	ND		mg/kg	0.0048	0.00018	1
Trichloroethene	ND		mg/kg	0.0012	0.00015	1
1,2-Dichloropropane	ND		mg/kg	0.0042	0.00027	1
Bromodichloromethane	ND		mg/kg	0.0012	0.00021	1
1,4-Dioxane	ND		mg/kg	0.12	0.017	1