UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION III

STATEMENT OF BASIS

PEMCO INC. LOT 28 PARCEL
5601 EASTERN AVE
BALTIMORE, MARYLAND

EPA ID NO. MDD0003093499

Prepared by
Land Chemicals and Redevelopment Division
May 2020

Table of Contents

List of Acronyms

AOC	Area of Concern
AR	Administrative Record
COC	Contaminant of Concern
EPA	Environmental Protection Agency
FDRTC	Final Decision Response to Comments
GPRA	Government Performance and Results Act
MCL	Maximum Contaminant Level
MDE	Maryland Department of the Environment
PAH	Polycyclic Aromatic Hydrocarbon
RAP	Remedial Action Plan
RCRA	Resource Conservation and Recovery Act
SL	Screening Level
SVOC	Semi Volatile Organic Compound
SB	Statement of Basis
UST	Underground Storage Tank
VOC	Volatile Organic Compound

Section 1: Introduction

The United States Environmental Protection Agency (EPA) has prepared this Statement of Basis (SB) to solicit public comment on its proposed remedy for the seven-acre Lot 28 Parcel (Parcel), on the eastern side of the former Pemco Baltimore Plant located in Baltimore, Maryland (Facility). EPA's proposed remedy for the Parcel consists of the following components: 1) compliance with and maintenance of groundwater and land use restrictions to be implemented through institutional controls; 2) vapor intrusion controls; and 3) capping of the Parcel with clean soil, asphalt, or concrete. This SB highlights key information relied upon by EPA in proposing its remedy for the Parcel.

The Facility is subject to EPA's Corrective Action program under the Solid Waste Disposal Act, as amended, commonly referred to as the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. § 6901 et seq. The Corrective Action program requires that owners and operators of facilities subject to certain provisions of RCRA investigate and address releases of hazardous waste and hazardous constituents, usually in the form of soil or groundwater contamination, that have occurred at or emanated from their property. Maryland is not authorized for the Corrective Action program under Section 3006 of RCRA. Therefore, EPA retains primary authority in the State of Maryland for the Corrective Action program.

EPA will propose a remedy in a separate SB for the rest of the Facility's soils and Facility-wide groundwater, including the Parcel's groundwater, after they have been evaluated under a Corrective Measures Study. In the interim, in this SB, EPA is proposing groundwater use restrictions at the Parcel to prevent use of shallow groundwater until a final remedy for Facility-wide groundwater is selected.

EPA is providing a thirty (30)-day public comment period on this SB. EPA may modify this proposed remedy based on comments received during this period. After the public comment period and review of any comments received, EPA will announce its selection of a final remedy for the Parcel in a Final Decision and Response to Comments (FDRTC).

Information on the Corrective Action Program as well as a fact sheet for the Facility can be found at: https://www.epa.gov/hwcorrectiveactionsites.
The Administrative Record (AR) for the Facility contains all documents, including data and quality assurance information, on which EPA's proposed remedy is based. See Section 8, Public Participation, below, for information on how you can participate in the public comment process and how you may review the AR.

Section 2: Facility Background

2.1 Introduction

The entire Facility compromises approximately 20 acres of land in Baltimore City, Maryland.

Figure 1 shows the Facility layout. The Facility was previously owned by PEMCO and was formerly used to manufacture inorganic pigments and specialty glasses (known as frit). Frit manufacturing operations started in the early 1900s and ceased in September 2007. The pigments and frit were used to produce porcelain enamel and ceramic glaze coatings. For frit production, additives were mixed with the raw bulk materials and heated in smelting furnaces until molten. The molten glass was cooled in water-chilled rollers, and then broken into shards. The broken shards were either packaged or further milled to produce powdered frit.

The entire Facility was acquired by TRP-MCB 5601 Eastern LLC from Pemco Holding Corporation in April 2014. The Maryland Department of the Environment (MDE) received an application from TRP-MCB 5601 Eastern LLC for its Voluntary Cleanup Program (VCP) on September 29, 2014. MDE accepted the Facility into the VCP on August 12, 2015.

2.2 Areas of Investigation

The Parcel has recently undergone redevelopment consistent with the remedy elements described in the MDE-approved Response Action Plan (RAP). The RAP detailed the remedy elements to address impacted soil, soil vapor, and groundwater contamination within the Facility boundaries in conjunction with the planed site redevelopment

- In March 2018, demolition of existing buildings and construction activities began at the Parcel. Capping activities were substantially complete (including placement of buildings, hardscaped areas, landscaped areas, and vapor intrusion controls in buildings) by December 2019. Five buildings with a flooring of 4 inches of concrete, sidewalks with 4 inches of concrete, parking lots and roadways with 4 inches of asphalt or 2 feet of clean soil in open areas serve as a cap at the Parcel. The installation of a permanent cover on the Parcel was completed in December 2019 as required by the RAP and stated in the Facility's January 2020 Monthly Report.

Section 3: Summary of Environmental Investigations of Lot 28 Parcel

3.1 Environmental Investigations

For all environmental investigations conducted at the Parcel, groundwater concentrations were screened against federal Maximum Contaminant Levels (MCLs) promulgated pursuant to Section 42 U.S.C. § 300f et seq. of the Safe Drinking Water Act and codified at 40 CFR Part 141, or if there was no MCL for a contaminant, EPA Regional Screening Levels (SLs) for tapwater. Soil concentrations were screened against SLs for residential soil.

3.1.1 Soil Sampling

Contaminant concentrations above the SLs for direct contact with residential soil were detected at the Facility. More than 150 soil samples from across the Facility were collected for laboratory analyses between 1997 and 2010.

Soil Results for Metals

With few exceptions, metals were detected in soils at the Parcel at levels that were below their respective SLs. Metals above their screening levels are listed in Table 1 and Figure 2.

As is typical for soils in Maryland where there are naturally occurring, high arsenic levels, arsenic was the most prevalent metal detected at levels above its residential SL, which is .68 milligrams per kilogram (mg/kg). Arsenic was detected in most of the samples. Arsenic concentrations for these samples ranged from non-detect to 74 mg/kg at sample location ESB-27.

The only other metals that were detected in at least one soil sample at a concentration above its SL were cobalt and iron. Cobalt was detected in five soil samples at concentrations above its SL for residential soil of 23 mg/kg. These detections ranged from 26 mg/kg to 95 mg/kg. These sample locations were below or next to the former manufacturing building at sample locations ESB-8, ESB-27, ESB-30, ESB-31, and ESB-56 or within the landfill at sample location ESB-45.

Iron was detected at 100,000 mg/kg at sample location ESB-31, which is located adjacent to the southern side of the former main manufacturing building. The screening value for iron is 55,000 mg/kg.

Soil Results for Volatile Organic Compounds

Volatile Organic Compounds (VOCs) were not detected above their respective residential SLs for soils anywhere at the Parcel.

Soil Results for Semi-Volatile Organic Compounds and Polycyclic aromatic hydrocarbons (PAHs)

Semi-Volatile Organic Compounds (SVOCs) and Polycyclic Aromatic Hydrocarbons (PAHs) that were detected above their respective residential SLs are listed in Table 1. These SVOCs and PAHs were found in soils above their SLs throughout the Facility.

Supplemental Facility Characterization in 2014-2017

EPA and MDE requested that supplemental Facility characterization be performed at the Facility to better define areas of contamination. Supplemental Facility characterization activities included soil, soil gas (see Section ***Soil Gas Sampling in 2017*** for information on the supplement soil gas sampling), and groundwater sampling which occurred from 2014 through 2017.

Surface Soil

VOCs were not detected above their respective residential SLs for soils at the Parcel.

SVOCs (benzo(a)pyrene, benzo(a)antharacene, and indeno(1,2,3, CD)pyrene) and metals (arsenic, cobalt, iron, and sodium) are the Facility Constituents of Concern (COCs) that have been detected in Parcel surface soils (0-2 feet below ground surface (bgs)) above their respective SLs. These soil sample results are in Table 1.

Subsurface Soil

VOCs were not detected above their respective residential SLs for soils at the Parcel.

SVOCs (benzo(a)pyrene, benzo(a)antharacene, and indeno(1,2,3, CD)pyrene) and metals (arsenic, cadmium, and cobalt) are the COCs that have been detected in Parcel subsurface soils (greater than 2 feet bgs) above their respective SLs. These soil sample results are in Table 1.

3.1.2 Groundwater Investigations

Groundwater monitoring at this Facility has been on-going and has historically shown detections of perchloroethylene (PCE); trichloroethene (TCE); cis-1,2-dichloroethene (cDCE); and carbon tetrachloride above MCLs. However, groundwater is not used as a potable source at the Facility or in Baltimore City.

Groundwater occurs on site at depths of about 30 feet or deeper below ground surface (bgs) Groundwater samples were collected from the deeper wells installed at sample locations EGW-9D, EGW-10, EGW-10D, EGW-11, and EGW-12. Sample locations EGW-10 and EGW-10D are at approximate depths of 65 feet and 131 feet bgs, respectively.

Groundwater Sampling in 2018

In March 2018, GTA personnel collected groundwater samples and groundwater elevation data from monitoring well sample locations GTA-MW-2 and GTA-MW-3. Dissolved cobalt was detected in GTA-MW-2 and GTA-MW-3 at concentrations of 12 and 25 micrograms per liter (µg/L), above the tapwater SL (6 µg/L). Dissolved sodium was detected in each well at concentrations of 150,000 ug/l at GTA-MW-2 and 26,000 µg/L at GTA-MW-3, above the MCL (1,000 µg/L). Carbon tetrachloride was detected above the MCL (5 µg/L) in each groundwater sample at sample locations GTA-MW-2 (410 ug/l) and GTA-MW-3 (110 ug/l)). Chloroform was detected above the MCL (80 µg/L) in GTA-MW-2 at a concentration of 380 µg/L. Tetrachloroethene (PCE) was detected above the MCL (5 µg/L) in GTA-MW-2 (720 ug/l) and GTA-MW- 3 (12 ug/l). Trichloroethene (TCE) was detected in GTA-MW-2 (170 ug/l), above the MCL (5 µg/L).

3.1.3 Soil Gas Samples for VOC Analyses

The results of the soil gas sampling were compared to MDE Tier 1 and Tier 2 soil gas screening values, which are based on EPA soil gas SLs. As long as indoor air contaminant concentrations are below acceptable risk thresholds, soil gas concentrations that are below the Tier 1 soil gas screening values generally do not require any additional monitoring or assessment when source conditions are known and appear to be stable. When soil gas concentrations are between the Tier 1 and Tier 2 values, and indoor air risk is acceptable, additional long-term soil gas monitoring or source reduction is generally necessary. When target soil gas concentrations exceed the Tier 2 values, remedial measures are generally necessary at a site. In all instances, site-specific factors will be considered in establishing remedial goals and selecting monitoring frequencies.

Soil gas samples were collected throughout the Facility for VOCs in December 2006, August 2007, September 2008, December 2009 and July 2010.

At the Parcel, at ESG-18, benzene was detected at 160 micrograms per cubic meter (ug/m^3) above the Tier 1 limit of 72 ug/m^3; chloroform was detected at 48 ug/m^3, above the Tier 1 limit of 24 ug/m^3; 1,1,2 trichloroethane was detected at 39 ug/m^3, above the Tier 2 limit of 21 ug/m^3; and trichloroethene was detected at 250 ug/m^3, above the Tier 2 limit of 210 ug/m^3. At ESG-6, acrolein was detected at 5.3 ug/m^3, above the Tier 1 limit of .42 ug/m^3.

Soil Gas Sampling in 2017

Soil gas sampling and analysis was conducted at the Facility in 2017 that involved the installation of four soil gas sampling points (GTA-SV-4, 6, 7, and 8) to evaluate overall soil gas conditions at the Parcel.

At GTA-SV-4, carbon tetrachloride was detected at 301 ug/m^3, above the Tier 2 limit of 47 ug/m^3; chloroform was detected at 320 ug/m^3, above the Tier 2 limit of 120 ug/m^3; and

tetrachloroethene was detected at 1,600 ug/m^3, above the Tier 1 limit of 840 ug/m^3.

At GTA-SV-6, trichloroethene was detected at 70 ug/m^3, above the Tier 1 limit of 42 ug/m^3.

3.1.4 PCB Concrete Sampling in 2018

From March 2018 to June 2018, initial sampling of concrete was conducted as part of a suitability evaluation for on-site concrete disposal. This sampling identified PCB impacts in two areas on the Parcel: (1) an enclosed transformer room within the northeastern portion of the former warehouse building; and (2) a portion of a concrete floor slab, adjacent to a former transformer pad, in the west-central portion of the color mixing building. The transformers were removed sometime in the past, but it is not known when.

In September 2018, GTA conducted perimeter sampling of the two known PCB-impacted areas identified during the initial assessment. Sampling activities conducted confirmed the PCB-impacted area in the warehouse building is contained within a formerly enclosed, 1,000 ft^2 room. For expediency and efficiency in the field, this entire room was identified as impacted by PCBs. Perimeter sampling outside of this 1,000 ft^2 area did not identify impacts greater than 1.0 mg/kg of PCBs. Within the color mixing building, additional perimeter sampling of the known PCB-impacted area resulted in expanding the PCB-impacted area to 470 ft^2.

In November 2018, PCB-contaminated soil and concrete were delineated in these areas identified above and placed in roll-off dumpsters for off-site disposal. From November 8, 2018 to January 2, 2019, GTA personnel ensured the removal, transport, and proper disposal of PCB-impacted concrete and soil. Approximately 161,000 kilograms or 178 tons of material were disposed of at an off-site disposal facility.

3.1.5 Petroleum-Contaminated Soil Removal

In December 2018 and January 2019, two areas of petroleum-impacted soil were discovered in sewer and storm drain utility runs located on the southeastern portion of the Parcel. The petroleum-impacted soil was observed approximately 1 foot bgs and consisted of gray clays and silts that exhibited a petroleum odor. Elevated Photo Ionization Detector (PID) readings were not observed. However, this material was observed in the general vicinity of the former forklift building, where stained concrete and a 500-gallon gasoline underground storage tank (UST) were previously removed from the Parcel. Stained soil and petroleum odors were not observed below 5 feet from grade, where native clays were encountered. The approximate area of excavated petroleum-impacted soil that was removed was about 50 feet long, 10 feet wide, and 5 feet deep. The petroleum-impacted soil was staged on and covered with plastic adjacent to the excavation, pending future off-site disposal. No liquids were encountered in the excavation.

In March 2018, an area of petroleum-impacted soil was discovered in a water line utility run located on the southeastern portion of the Parcel, contiguous to the impacts identified in December 2018 and in January 2019. The petroleum-impacted soil was observed approximately 1 foot below existing grades. The soil observations and PID readings were generally consistent to the area of adjacent impacts. Stained soil and petroleum odors were not observed below 3 feet from grade, where native clays were encountered. The area of excavated petroleum-impacted soil that was removed measured approximately 40 feet long, 4 feet wide, and 3 feet deep.

In May and June 2019, petroleum-impacted materials were encountered during footing excavations on the western side of the proposed Building 500 (Petroleum-Impacted Removal Area B). An approximately 75-foot section of petroleum-impacted soil was discovered in May 2019. In June 2019, two approximately 25-foot sections of petroleum-impacted soil were discovered north and south of the original 75-foot section. This material was found approximately 3 feet below existing grades and consisted of an approximately 1½-foot layer of stone, brick, and concrete mixed with soil (petroleum-impacted material). Clays were observed above and below this material, and the clays did not display indications of staining or unusual odors. The petroleum-impacted material exhibited petroleum odors, and PID readings were between 30-60 ppm. No liquids were observed in the excavation. Petroleum-impacted soils were not observed west of the excavation during prior utility installation activities, nor were they observed further east during the installation of interior column footings.

On February 6, 2019 and from March 18, 2019 to March 25, 2019, petroleum impacted soils from the Petroleum-Impacted Removal Area excavations were transported for off-site disposal. Soils transported off-site on February 6, 2019 also included the soils removed from the UST #8 excavation, which is located on the adjacent parcel. A total of 343.7 tons of petroleum-impacted soil from the UST #8 and Petroleum- Impacted Soil Removal Areas A and B was transported for off-site disposal.

3.1.6 Human Health Risk Assessment and Evaluation of Exposure Pathways

Human Health Risk Assessment Dated May 23, 2013

A Human Health Risk Assessment (HHRA) was performed under the assumption the entire Facility would be redeveloped for non-residential use. The results of the HHRA indicate that there is no unacceptable risk to current or future adolescents or adult trespassers or visitors at any of the undeveloped areas of the Facility. Further, there was no unacceptable risk identified for current or future off-site residents or industrial workers. The HHRA identified a potential for unacceptable risk to the following human health receptors under current or future industrial use conditions of the Facility:

- Presuming future redevelopment of the Facility property, exposure of future building occupants to soil gas via vapor intrusion could result in unacceptable risk to human health;

- Groundwater beneath the Facility contains VOCs and metals at concentrations above the EPA tapwater SLs and above MCLs, which could pose an unacceptable risk to human health receptors at the Facility if used for potable or non-potable purposes. Currently, there are no groundwater supply wells on the Facility; and

- Exposure to deep on-site groundwater for non-potable purposes could result in an elevated carcinogenic and noncarcinogenic risk for industrial workers.

The HHRA also concluded that if the Facility is to be redeveloped either as industrial or residential, controls would be required to eliminate the unacceptable risks identified above. The proposed remedy as described in the SB includes these controls (See Section 5).

3.2 Environmental Indicators

Under the Government Performance and Results Act (GPRA), EPA has set national goals to address RCRA corrective action facilities. Under GPRA, EPA evaluates two key environmental clean-up indicators for each facility: (1) Current Human Exposures Under Control, which the Facility met on September 3, 2013; and (2) Migration of Contaminated Groundwater Under Control, which the Facility has not yet met. There is currently insufficient data to address the groundwater indicator, which will be addressed in the future.

Section 4: Corrective Action Objectives

EPA's Corrective Action Objectives for the proposed remedy at the Parcel are the following:

1. Soils

EPA has determined that hazardous constituents currently remain in Parcel soils above acceptable risk levels protective of human health and the environment for residential use (i.e., SLs for residential soils). Therefore, EPA's proposed Corrective Action Objective for Parcel soils is to control exposure to the hazardous constituents remaining in surface soils by requiring compliance with and maintenance of engineering controls and land use restrictions to allow for residential use of the Parcel. This objective will facilitate the redevelopment of the Facility in a way that protects human health and the environment and allows for residential use, while incorporating controls to protect workers during construction.

2. Groundwater

EPA's proposed Corrective Action Objective for groundwater at the Parcel is to prevent exposure to potential hazardous constituents in groundwater in the interim through use restrictions while Facility-wide groundwater continues to be evaluated under the Corrective Action Program.

Section 5: Proposed Remedy

1. Introduction

Because some contaminants remain in the soil and groundwater at the Parcel at levels which exceed acceptable levels for residential use, EPA's proposed remedy requires engineering controls and compliance with and maintenance of soil and groundwater use restrictions.

EPA proposes implementing the land and groundwater restrictions necessary to prevent human exposure to contaminants at the Parcel through a permit, order, or environmental covenant.

Additionally, the State of Maryland Well Construction Regulations, codified at Code of Maryland Regulations 26.03.01.05, prohibit installation of individual water systems where adequate community systems are available. Moreover, section 2.19.1 of the Plumbing and Gasfitting Code of Baltimore County states that public water supply systems are considered available if they are within 500 feet or another reasonable distance of an owner's property line. In this case, the Facility and surrounding area are already being provided with potable water from Baltimore City's public water supply system.

2. Soils

EPA's proposed remedy for the Parcel soils consists of engineering controls and compliance with and maintenance of land use restrictions.

The proposed remedy requires the following engineering controls for the Parcel and are described in the MDE-approved Remedial Action Plan (RAP):

- The maintenance of a permanent cover on the Parcel which was installed in December 2019 as required by the RAP and stated in the Facility's January 2020 Monthly Report; and

- The development of a Soils, Cover and Cap Management Plan (SCCMP) and a Health and Safety Plan for MDE and EPA review and approval.

The proposed remedy also requires implementation of a vapor intrusion control system, the design of which shall be approved in advance by EPA and MDE. The vapor intrusion control system shall be installed in every new structure constructed where VOC gas was detected above the contaminated groundwater plume or within a 100-foot perimeter of the contaminated groundwater plume, unless EPA and MDE approve in writing a demonstration that vapor intrusion does not pose a threat to human health and that no vapor intrusion control system is needed. Existing buildings already have vapor intrusion control systems installed.

Because contaminants remain in the groundwater at the Facility above levels appropriate for residential use, while Facility-wide groundwater is being investigated further, EPA is proposing to prohibit the use of groundwater to prevent human exposure to those contaminants. In the interim, EPA is proposing that groundwater use restrictions be implemented through institutional controls at the Parcel. Groundwater monitoring results and the HHRA indicate that there are currently no unacceptable risks of exposure to contaminated groundwater, except for potential direct contact by on-site construction or excavation workers. However, groundwater is deeper than any proposed construction depth; therefore, groundwater contact by construction or excavation workers does not present an unacceptable risk. In the unlikely event groundwater is encountered during construction, protection of workers will be addressed by an EPA and MDE-approved Health and Safety Plan.

3. Institutional Controls

EPA's proposed remedy also includes the following land and groundwater use restrictions and notifications to protect human health and the integrity of the proposed remedy:

1. Groundwater at the Parcel shall not be used for any purpose other than the operation, maintenance, and monitoring activities currently being conducted at the Facility and activities required by EPA and MDE, unless it is demonstrated to EPA and MDE that such use will not pose a threat to human health or the environment or adversely affect or interfere with the final remedy, and the current Parcel owner obtains prior written approval from EPA and MDE for such use.

2. The Parcel shall not be used for unrestricted residential use (Maryland Tier 1A) or as an unrestricted public recreational area (Maryland Level 1 and 2) unless it is demonstrated to EPA and MDE that such use does not pose a threat to human health and EPA and MDE prior provides written approval for such use.

3. No new wells shall be installed on the Parcel unless it is demonstrated to EPA and MDE that such wells are necessary to implement the final remedy for the Facility, and the current Parcel owner obtains prior written approval from EPA and MDE to install such wells.

4. All new structures on the Parcel shall be protected by a vapor intrusion control system, the design of which shall be approved in advance in writing by EPA and MDE. The current Parcel owner shall maintain the integrity of the vapor barrier installed in current structures, and conduct inspections, maintenance and repairs as needed.

5. Compliance with the EPA and MDE-approved SCCMP. The SCCMP will require the current Parcel owner to maintain the integrity of all caps and covers on the Parcel by conducting regular periodic inspections (no less frequently than once per year),

making timely repairs if needed, and maintaining a record of such inspection and maintenance. The SCCMP will also establish the documentation, reporting, and notification methods that will be used to implement, monitor compliance, and ensure the SCCMP remains in place and effective.

6. All earthmoving activities on the Parcel, including excavation, grading, and/or utility construction, shall be conducted in compliance with an EPA and MDE-approved SCCMP to ensure that the activity will not pose a threat to human health and the environment or adversely affect or interfere with the covered areas.

7. On an annual basis and whenever requested by EPA or MDE, the current Parcel owner shall submit to MDE and EPA a written certification stating whether the owner is maintaining and complying with all groundwater and land use restrictions.

8. The Parcel shall not be used in a way that will adversely affect or interfere with the integrity and protectiveness of the final remedy.

The Parcel owner shall also allow EPA, MDE, and/or their authorized agents and representatives, access to the Parcel to inspect and evaluate the continued effectiveness of the final remedy, and if necessary, to conduct additional remediation to ensure the protection of human health and the environment based upon the final remedy selected by EPA in the FDRTC.

In addition, the Parcel owner shall provide EPA with a coordinate survey as well as a metes and bounds survey of the Parcel boundaries. Mapping the extent of the above use restrictions will allow for presentation in a publicly accessible mapping program such as Google Earth or Google Maps.

Section 6: Evaluation of Proposed Remedy

This section describes the criteria EPA used to evaluate the proposed remedy consistent with EPA guidance. The evaluation criteria are applied in two phases. In the first phase, EPA evaluates the proposed remedy against three threshold criteria as general goals. In the second phase, if the proposed remedy meets the threshold criteria, EPA then evaluates seven balancing criteria.

Threshold Criteria	Evaluation
1) Protect human health and the environment	EPA's proposed remedy for the Parcel protects human health and the environment by eliminating, reducing, or controlling potential unacceptable risk through the implementation and maintenance of use restrictions and engineering controls for contaminated soil and groundwater above acceptable residential use levels. All current structures on the Parcel have a vapor barrier, which will be maintained by the current Parcel owner. If new buildings are constructed, vapor intrusion control systems, the design of which shall require prior written approval from EPA and MDE, will be installed. Also, a cap of either concrete, asphalt, or clean soils, depending on the location, was installed in December 2019 over the Parcel to prevent human and environmental exposure to the hazardous wastes and hazardous constituents remaining in the soil and landfill. All earthmoving activities, including excavation, drilling and construction activities in those areas of the Parcel where any contaminants remain in soils above EPA's SLs for residential use or in groundwater above MCLs/tapwater SLs shall be conducted in accordance with an EPA and MDE-approved SCCMP. The SCCMP will also include procedures to maintain the cap and cover over contaminated soils. Any earthmoving activities will be conducted in accordance with an EPA and MDE-approved Health and Safety Plan. Therefore, EPA has determined that the proposed remedy satisfies this criterion.
2) Achieve	EPA's proposed remedy achieves media cleanup objectives based on

media cleanup objectives	assumptions regarding current and reasonably anticipated land and water resource use(s). The proposed remedy in this SB is based on an anticipated residential land use. All earthmoving activities, including excavation, drilling and construction activities, in the areas at the Parcel where any contaminants remain in soils above SLs for residential use or in groundwater above MCLs/tapwater SLs, shall be conducted in accordance with an EPA and MDE-approved SCCMP. The SCCMP will also include procedures to maintain the cap and cover over contaminated soils. Any earthmoving activities will be conducted in accordance with an EPA and MDE-approved Health and Safety Plan. Therefore, EPA has determined that the proposed remedy satisfies this criterion.
3) Remediating the Source of Releases	In all proposed remedies, EPA seeks to eliminate or further reduce releases of hazardous wastes and hazardous constituents that may pose a threat to human health and the environment and this proposed remedy meets this objective. The sources of petroleum and PCB releases have been removed from the soil at the Parcel, thereby eliminating, to the extent practicable, further releases of hazardous constituents from on-site soils as well as groundwater. All earthmoving activities, including excavation, drilling and construction activities, in the areas at the Parcel where any contaminants remain in soils above SLs for residential use or in groundwater above MCLs/tapwater SLs, shall be conducted in accordance with an EPA and MDE-approved SCCMP and Health and Safety Plan. All current structures on the Parcel have a vapor barrier, which will be maintained by the current Parcel owner. If new buildings are constructed, vapor intrusion control systems, the design of which shall require prior written approve of EPA and MDE, will be installed. Therefore, EPA has determined that the proposed remedy satisfies this criterion.

Section 6: Evaluation of Proposed Remedy (continued)

Balancing Criteria	Evaluation
4) Long-term effectiveness	The proposed remedy is long-term effective because groundwater and land use restrictions will be implemented, and the soil cover will be maintained to prevent exposure to contaminated soils and groundwater remaining at the Parcel and may present unacceptable risk.
5) Reduction of toxicity, mobility, or volume of the Hazardous Constituents	Reduction of toxicity, mobility, and volume of contaminated soils was achieved by excavation, removal, and disposal of contaminated soils.
6) Short-term effectiveness	EPA anticipates that the land and groundwater use restrictions will be fully implemented shortly after the issuance of the FDRTC. EPA's proposed remedy takes into consideration future activities, such as construction or excavation that would pose short-term risks to workers, residents, and the environment, by requiring the EPA and MDE-approved SCCMP and Health and Safety Plan.
7) Implementability	EPA's proposed remedy is readily implementable. EPA proposes to implement the use restrictions through a mechanism that will inform future owners and occupants of these restrictions, such as an environmental covenant, permit, or order.
8) Cost	EPA's proposed remedy is cost effective. The costs associated with this proposed remedy are minimal as vapor intrusion controls are the costliest aspect of the proposed remedy. These vapor intrusion controls are already installed in existing buildings but will need to be installed and approved by EPA and MDE in any new buildings.
9) Community Acceptance	EPA will evaluate community acceptance of the proposed remedy during the public comment period, which will be described in the FDRTC.
10) State/Support Agency Acceptance	MDE has reviewed and concurred with the proposed remedy for the Parcel.

Overall, based on the evaluation criteria, EPA has determined the proposed remedy meets the threshold criteria and provides the best balance of tradeoffs with respect to the evaluation criteria.

Section 7: Financial Assurance

EPA has evaluated whether financial assurance is necessary for EPA's proposed remedy at the Facility. Given that the physical elements of the remedy have been constructed and that the costs of implementing institutional controls at the Facility will be minimal, EPA is not proposing a financial assurance requirement for this proposed remedy.

Section 8: Public Participation

Interested persons are invited to comment on EPA's proposed remedy. The public comment period will last thirty (30) calendar days from the date that notice is published in a local newspaper. Comments may be submitted by mail, fax, or electronic mail to Mr. Leonard Hotham at the contact information listed below.

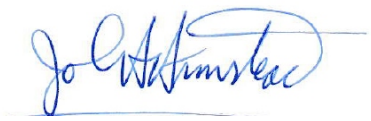
A public meeting will be held upon request. Requests for a public meeting should be submitted to Mr. Leonard Hotham in writing at the contact information listed below. A meeting will not be scheduled unless one is requested.

The AR contains all the information considered by EPA for the proposed remedy at this Parcel. The AR is available at the following location:

U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103
Contact: Mr. Leonard Hotham (3LD10)
Phone: (215) 814-5778
Fax: (215) 814 - 3113
Email: hotham.leonard@epa.gov

Attachments:
Figure 1: Map of Facility
Figure 2: Soil Sampling Results Map
Table 1: Soil Sample Results

Date: ___4/29/20_____



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John A. Armstead, Director
Land, Chemicals and Redevelopment Division
US EPA, Region III

Section 9: Index to Administrative Record

Site Characterization and Risk Assessment Report for 5601 Eastern Ave Baltimore Maryland, Environmental Resources Management dated September 9, 2011

Report of Preliminary Geotechnical Exploration Former Pemco Facility 5601 Eastern Ave. Baltimore MD, Geo-Technology Associates Inc., June 9, 2015

Remediation Action Plan, Geo-Technology Associates Inc. dated April 18, 2016

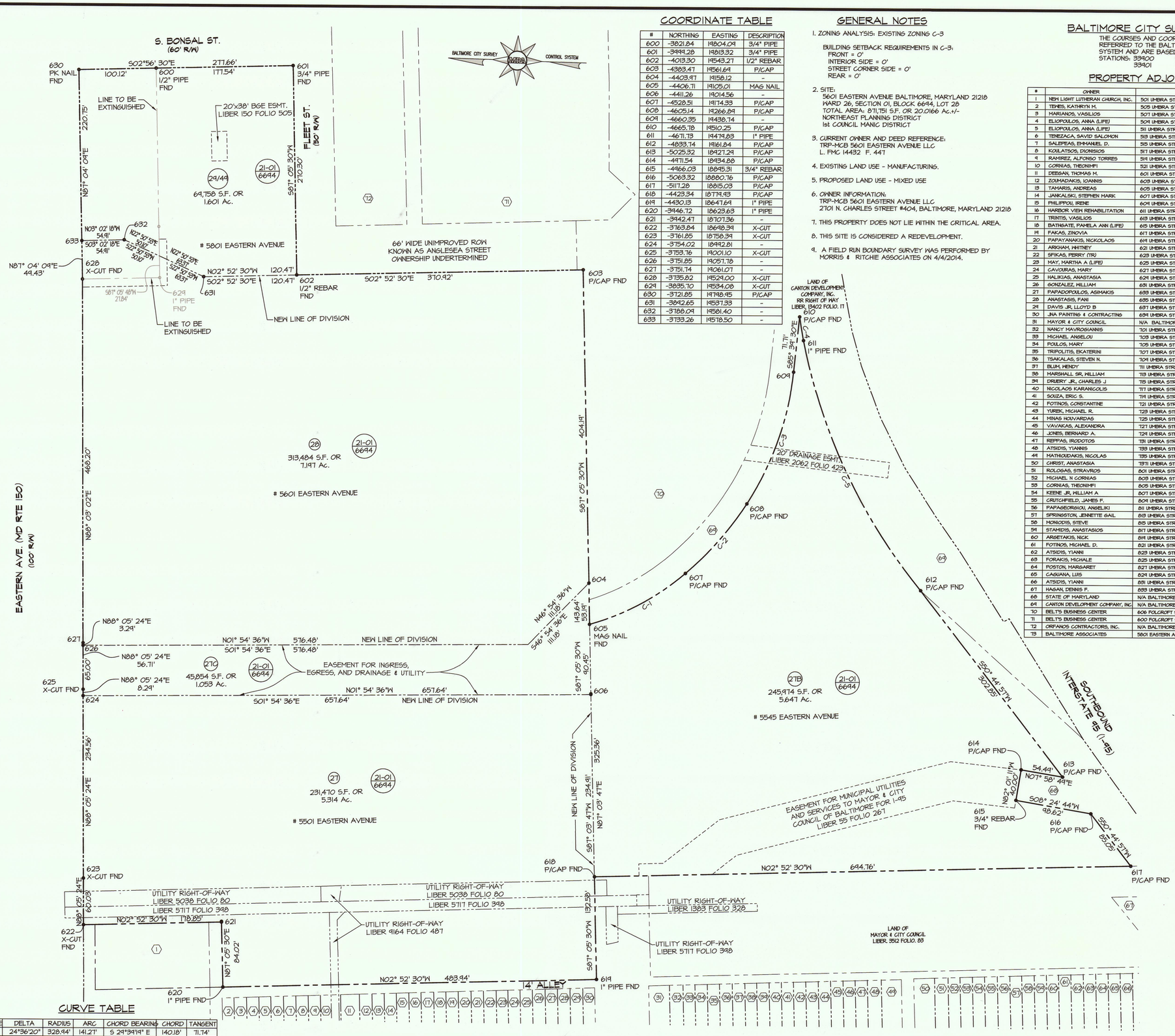
Site Update Response Yard 56, Geo-Technology Associates Inc., April 23, 2018

Groundwater Evaluation Summary Yard 56, 5601 Eastern Ave., May 15, 2018

Underground Storage Tank Closure Report Yard 56, Geo-Technology Associates Inc., March 6, 2020

March and April 2018 Response Action Plan (RAP) Progress Report, Geo-Technology Associates Inc.

Attachments



PLAN
SCALE: 1" = 60'

COORDINATE TABLE

#	NORTHING	EASTING	DESCRIPTION
600	-3821.84	19804.09	3/4" PIPE
601	-3994.28	19813.32	3/4" PIPE
602	-4013.30	19543.27	1/2" REBAR
603	-4383.47	19561.69	P/CAP
604	-4403.97	19158.12	-
605	-4406.71	19105.01	MAG NAIL
606	-4411.26	19014.56	-
607	-4529.51	19174.33	P/CAP
608	-4605.14	19266.84	P/CAP
609	-4660.35	19438.14	-
610	-4665.78	19510.25	P/CAP
611	-4671.73	19419.83	1" PIPE
612	-4833.74	19161.84	P/CAP
613	-5025.32	19427.29	P/CAP
614	-4971.54	18934.88	P/CAP
615	-4966.03	18845.31	3/4" REBAR
616	-5063.32	18880.76	P/CAP
617	-5117.28	18815.03	P/CAP
618	-4423.34	18719.93	P/CAP
619	-4430.13	18647.69	1" PIPE
620	-3946.72	18623.63	1" PIPE
621	-3942.47	18707.36	-
622	-3763.84	18698.39	X-CUT
623	-3761.85	18758.34	X-CUT
624	-3754.02	18942.81	-
625	-3753.76	19001.10	X-CUT
626	-3751.85	19057.78	-
627	-3751.74	19061.07	-
628	-3735.82	19529.00	X-CUT
629	-3835.70	19534.08	X-CUT
630	-3721.85	19748.45	P/CAP
631	-3842.65	19531.33	-
632	-3788.09	19581.40	-
633	-3733.26	19578.50	-

CURVE TABLE

CURVE	DELTA	RADIUS	ARC	CHORD BEARING	CHORD	TANGENT
C-1	24°36'20"	328.44'	141.27'	S 24°39'19" E	140.18'	71.74'
C-2	16°45'57"	412.00'	120.56'	S 50°20'30" E	120.13'	60.71'
C-3	26°55'56"	387.44'	182.15'	S 72°11'30" E	180.47'	92.79'
C-4	02°04'09"	858.48'	31.00'	S 78°56'31" W	31.00'	15.50'
C-5	28°01'23"	737.00'	360.46'	S 63°00'01" W	356.88'	183.91'

GENERAL NOTES

1. ZONING ANALYSIS: EXISTING ZONING C-3

   BUILDING SETBACK REQUIREMENTS IN C-3:
   FRONT = 0'
   INTERIOR SIDE = 0'
   STREET CORNER SIDE = 0'
   REAR = 0'

2. SITE:
   5601 EASTERN AVENUE BALTIMORE, MARYLAND 21218
   WARD 26, SECTION 01, BLOCK 6694, LOT 28
   TOTAL AREA: 871,751 S.F. OR 20.0166 Ac.+/-
   NORTHEAST PLANNING DISTRICT
   1st COUNCIL MANIC DISTRICT

3. CURRENT OWNER AND DEED REFERENCE:
   TRP-MCB 5601 EASTERN AVENUE LLC
   L. FMC 14432 F. 447

4. EXISTING LAND USE - MANUFACTURING.

5. PROPOSED LAND USE - MIXED USE

6. OWNER INFORMATION:
   TRP-MCB 5601 EASTERN AVENUE LLC
   2701 N. CHARLES STREET #404, BALTIMORE, MARYLAND 21218

7. THIS PROPERTY DOES NOT LIE WITHIN THE CRITICAL AREA.

8. THIS SITE IS CONSIDERED A REDEVELOPMENT.

9. A FIELD RUN BOUNDARY SURVEY WAS PERFORMED BY MORRIS & RITCHIE ASSOCIATES ON 4/4/2014.

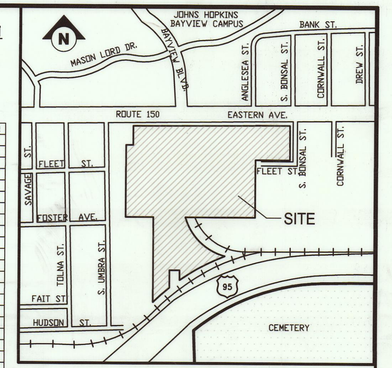
BALTIMORE CITY SURVEY CONTROL SYSTEM

THE COURSES AND COORDINATES SHOWN HEREON ARE REFERRED TO THE BALTIMORE CITY SURVEY CONTROL SYSTEM AND ARE BASED ON THE FOLLOWING TRAVERSE STATIONS:

33400	S 4669.734	E 8144.660
33401	S 4497.346	E 8483.382

PROPERTY ADJOINER INFORMATION

#	OWNER	ADDRESS	BLOCK	LOT	ZONE
1	NEW LIGHT LUTHERAN CHURCH, INC.	501 UMBRA STREET BALTIMORE, MD 21224	6629D	01	R-8
2	TENES, KATHRYN M.	505 UMBRA STREET BALTIMORE, MD 21224	6629D	06	R-7
3	MARIANOS, VASILIOS	507 UMBRA STREET BALTIMORE, MD 21224	6629D	07	R-7
4	ELIOPOULOS, ANNA (LIFE)	509 UMBRA STREET BALTIMORE, MD 21224	6629D	08	R-7
5	ELIOPOULOS, ANNA (LIFE)	511 UMBRA STREET BALTIMORE, MD 21224	6629D	09	R-7
6	TENEZACA, DAVID SALOMON	513 UMBRA STREET BALTIMORE, MD 21224	6629D	10	R-7
7	SALEPEAS, EMMANUEL D.	515 UMBRA STREET BALTIMORE, MD 21224	6629D	11	R-7
8	KOULATSOS, DIONISIOS	517 UMBRA STREET BALTIMORE, MD 21224	6629D	12	R-7
9	RAMIREZ, ALFONSO TORRES	519 UMBRA STREET BALTIMORE, MD 21224	6629D	13	R-7
10	CORNIAS, THEONIMFI	521 UMBRA STREET BALTIMORE, MD 21224	6629D	14	R-7
11	DEEGAN, THOMAS M.	601 UMBRA STREET BALTIMORE, MD 21224	6629D	15	R-7
12	ZOUMADAKIS, IOANNIS	603 UMBRA STREET BALTIMORE, MD 21224	6629D	16	R-7
13	TAMARIS, ANDREAS	605 UMBRA STREET BALTIMORE, MD 21224	6629D	17	R-7
14	JANICALSKI, STEPHEN MARK	607 UMBRA STREET BALTIMORE, MD 21224	6629D	18	R-7
15	PHILIPPOU, IRENE	609 UMBRA STREET BALTIMORE, MD 21224	6629D	19	R-7
16	HARBOR VEIN REHABILITATION	611 UMBRA STREET BALTIMORE, MD 21224	6629D	20	R-7
17	TRINTIS, VASILIOS	613 UMBRA STREET BALTIMORE, MD 21224	6629D	21	R-7
18	BATHGATE, PAMELA ANN (LIFE)	615 UMBRA STREET BALTIMORE, MD 21224	6629D	22	R-7
19	FAKAS, ZINOVIA	617 UMBRA STREET BALTIMORE, MD 21224	6629D	23	R-7
20	PAPAYANAKIS, NICKOLAOS	619 UMBRA STREET BALTIMORE, MD 21224	6629D	24	R-7
21	ARGHAM, WHITNEY	621 UMBRA STREET BALTIMORE, MD 21224	6629D	25	R-7
22	SPIKAS, PERRY (TR)	623 UMBRA STREET BALTIMORE, MD 21224	6629D	26	R-7
23	MAY, MARTHA A (LIFE)	625 UMBRA STREET BALTIMORE, MD 21224	6629D	27	R-7
24	GAVOURAS, MARY	627 UMBRA STREET BALTIMORE, MD 21224	6629D	28	R-7
25	HALIKIAS, ANASTASIA	629 UMBRA STREET BALTIMORE, MD 21224	6629D	29	R-7
26	GONZALEZ, MILLIAM	631 UMBRA STREET BALTIMORE, MD 21224	6629D	30	R-7
27	PAPADOPOULOS, ASIMAKIS	633 UMBRA STREET BALTIMORE, MD 21224	6629D	31	R-7
28	ANASTASIS, FANI	635 UMBRA STREET BALTIMORE, MD 21224	6629D	32	R-7
29	DAVIS JR, LLOYD B	637 UMBRA STREET BALTIMORE, MD 21224	6629D	33	R-7
30	JNA PAINTING & CONTRACTING	639 UMBRA STREET BALTIMORE, MD 21224	6629D	34	R-7
31	MAYOR & CITY COUNCIL	N/A BALTIMORE, MD 21224	6629E	116	R-7
32	NANCY MAVROGIANNIS	701 UMBRA STREET BALTIMORE, MD 21224	6629E	77	R-7
33	MICHAEL ANGELOU	703 UMBRA STREET BALTIMORE, MD 21224	6629E	78	R-7
34	POULOS, MARY	705 UMBRA STREET BALTIMORE, MD 21224	6629E	79	R-7
35	TRIPOLITIS, EKATERINI	707 UMBRA STREET BALTIMORE, MD 21224	6629E	80	R-7
36	TSAKALAS, STEVEN N.	709 UMBRA STREET BALTIMORE, MD 21224	6629E	81	R-7
37	BLUM, WENDY	711 UMBRA STREET BALTIMORE, MD 21224	6629E	82	R-7
38	MARSHALL SR, WILLIAM	713 UMBRA STREET BALTIMORE, MD 21224	6629E	83	R-7
39	DRUERY JR., CHARLES J	715 UMBRA STREET BALTIMORE, MD 21224	6629E	84	R-7
40	NICOLAOS KARANGELOS	717 UMBRA STREET BALTIMORE, MD 21224	6629E	85	R-7
41	SOUZA, ERIC S.	719 UMBRA STREET BALTIMORE, MD 21224	6629E	86	R-7
42	POTINOS, CONSTANTINE	721 UMBRA STREET BALTIMORE, MD 21224	6629E	87	R-7
43	YUREK, MICHAEL R.	723 UMBRA STREET BALTIMORE, MD 21224	6629E	88	R-7
44	MINAS HOVARDAS	725 UMBRA STREET BALTIMORE, MD 21224	6629E	89	R-7
45	VAVAKAS, ALEXANDRA	727 UMBRA STREET BALTIMORE, MD 21224	6629E	90	R-7
46	JONES, BERNARD A.	729 UMBRA STREET BALTIMORE, MD 21224	6629E	91	R-7
47	REPPAS, IRODOTOS	731 UMBRA STREET BALTIMORE, MD 21224	6629E	92	R-7
48	ATSIDIS, YIANNIS	733 UMBRA STREET BALTIMORE, MD 21224	6629E	93	R-7
49	MATHIOUDAKIS, NICOLAS	735 UMBRA STREET BALTIMORE, MD 21224	6629E	94	R-7
50	CHRIST, ANASTASIA	737 UMBRA STREET BALTIMORE, MD 21224	6629E	95	R-7
51	ROLOGAS, STRAVROS	801 UMBRA STREET BALTIMORE, MD 21224	6629E	96	R-7
52	MICHAEL N CORNIAS	803 UMBRA STREET BALTIMORE, MD 21224	6629E	97	R-7
53	CORNIAS, THEONIMFI	805 UMBRA STREET BALTIMORE, MD 21224	6629E	98	R-7
54	KEENE JR, WILLIAM A.	807 UMBRA STREET BALTIMORE, MD 21224	6629E	99	R-7
55	CRITCHFIELD, JAMES F.	809 UMBRA STREET BALTIMORE, MD 21224	6629E	100	R-7
56	PAPAGEORGIOU, ANGELIKI	811 UMBRA STREET BALTIMORE, MD 21224	6629E	101	R-7
57	SPRINGSTON, JENNETTE GAIL	813 UMBRA STREET BALTIMORE, MD 21224	6629E	102	R-7
58	MONIODIS, STEVE	815 UMBRA STREET BALTIMORE, MD 21224	6629E	103	R-7
59	STAMDIS, ANASTASIOS	817 UMBRA STREET BALTIMORE, MD 21224	6629E	104	R-7
60	ARGETAKIS, NICK	819 UMBRA STREET BALTIMORE, MD 21224	6629E	105	R-7
61	POTINOS, MICHAEL D.	821 UMBRA STREET BALTIMORE, MD 21224	6629E	106	R-7
62	ATSIDIS, YIANNI	823 UMBRA STREET BALTIMORE, MD 21224	6629E	107	R-7
63	FORAKIS, MICHALE	825 UMBRA STREET BALTIMORE, MD 21224	6629E	108	R-7
64	POSTON, MARGARET	827 UMBRA STREET BALTIMORE, MD 21224	6629E	109	R-7
65	CARUANA, LUIS	829 UMBRA STREET BALTIMORE, MD 21224	6629E	110	R-7
66	ATSIDIS, YIANNI	851 UMBRA STREET BALTIMORE, MD 21224	6629E	111	R-7
67	HASAN, DENNIS F.	833 UMBRA STREET BALTIMORE, MD 21224	6644E	112	R-7
68	STATE OF MARYLAND	N/A BALTIMORE, MD 21224	6644	021A	M-3
69	CANTON DEVELOPMENT COMPANY, INC.	N/A BALTIMORE, MD 21224	P&CO	85	M-3
70	BELT'S BUSINESS CENTER	608 FOLGROFT STREET BALTIMORE, MD 21224	6644	124	M-3
71	BELT'S BUSINESS CENTER	600 FOLGROFT STREET BALTIMORE, MD 21224	6644	123	M-3
72	ORFANOS CONTRACTORS, INC.	N/A BALTIMORE, MD 21224	6644	76	M-3
73	BALTIMORE ASSOCIATES	5801 EASTERN AVENUE BALTIMORE, MD 21224	6644	50	B-3-2



VICINITY MAP
SCALE: 1" = 500'

SITE AREA TABULATION

LOTS/PARCELS	
LOT 27	231,470 S.F. OR 5.314 Ac.
LOT 27C	45,854 S.F. OR 1.053 Ac.
LOT 28	313,484 S.F. OR 7.197 Ac.
LOT 27B	245,974 S.F. OR 5.647 Ac.
LOT 29/49	69,758 S.F. OR 1.601 Ac.
TOTAL AREA THIS PLAT	906,540 S.F. OR 20.812 Ac.

OWNER'S CERTIFICATION

THE UNDERSIGNED OWNER OF THE LAND SHOWN ON THIS PLAT HEREBY CERTIFY THAT, TO THE BEST OF THEIR KNOWLEDGE, THE REQUIREMENTS OF SUBSECTION (c) OF SECTION 3-108 OF THE REAL PROPERTY ARTICLE OF THE ANNOTATED CODE OF MARYLAND HAVE BEEN COMPLIED WITH INSOFAR AS THE MAKING OF THIS PLAT AND THE SETTING OF MARKERS.

TRP-MCB 5601 EASTERN AVENUE LLC
BY: _____ 9/20/18
DAVID BRAMBLE - PRESIDENT | DATE

OWNER'S CERTIFICATION

THE UNDERSIGNED OWNER OF THE LAND SHOWN ON THIS PLAT HEREBY CERTIFY THAT, TO THE BEST OF THEIR KNOWLEDGE, THE REQUIREMENTS OF SUBSECTION (c) OF SECTION 3-108 OF THE REAL PROPERTY ARTICLE OF THE ANNOTATED CODE OF MARYLAND HAVE BEEN COMPLIED WITH INSOFAR AS THE MAKING OF THIS PLAT AND THE SETTING OF MARKERS.

MCB 5801 EASTERN AVENUE LLC
BY: _____ 9/20/18
DAVID BRAMBLE - AUTHORIZED SIGNATORY | DATE

SURVEYOR'S CERTIFICATE

THE UNDERSIGNED, A REGISTERED PROFESSIONAL LAND SURVEYOR OF THE STATE OF MARYLAND, DOES HEREBY CERTIFY THAT THIS PLAT WAS PREPARED UNDER HIS DIRECT SUPERVISION AND THAT THE LAND SHOWN ON THIS PLAT HAS BEEN LAID OUT IN COMPLIANCE WITH SUBSECTION (c) OF SECTION 3-108 OF THE REAL PROPERTY ARTICLE OF THE ANNOTATED CODE OF MARYLAND, PARTICULARLY INSOFAR AS THE SAME CONCERNS THE MAKING OF THIS PLAT AND SETTING OF MARKERS.

_____ 9/7/18
STEPHEN J. HALL | DATE
PROFESSIONAL LAND SURVEYOR NO. 21642
(EXP. DATE 01-11-2020)

PROPERTY LINE ESTABLISHMENT
APPROVED AS DRAWN:
Street Names: ✓
House Numbers: ✓
Date: 11/2/18
APPROVED: _____

APPROVED
CITY OF BALTIMORE
PLANNING COMMISSION
DEPARTMENT OF PLANNING
OCT 18 2018
APPROVED AS TO STREET AND SUBDIVISION PLAN ONLY
AS NOTED AND SUBJECT TO THE REQUIREMENTS OF THE DEPARTMENT OF PUBLIC WORKS AND THE PLANNING COMMISSION.

MRA
MORRIS & RITCHIE ASSOCIATES, INC.
ENGINEERS, ARCHITECTS, PLANNERS, SURVEYORS & LANDSCAPE ARCHITECTS
12220-C EAST JOPPA ROAD, SUITE 505
TOWSON, MARYLAND 21286
PHONE: 410-821-1690
FAX: 410-821-1748

STATE OF MARYLAND · STEPHEN JOSEPH HALL · 21642 · PROFESSIONAL LAND SURVEYOR

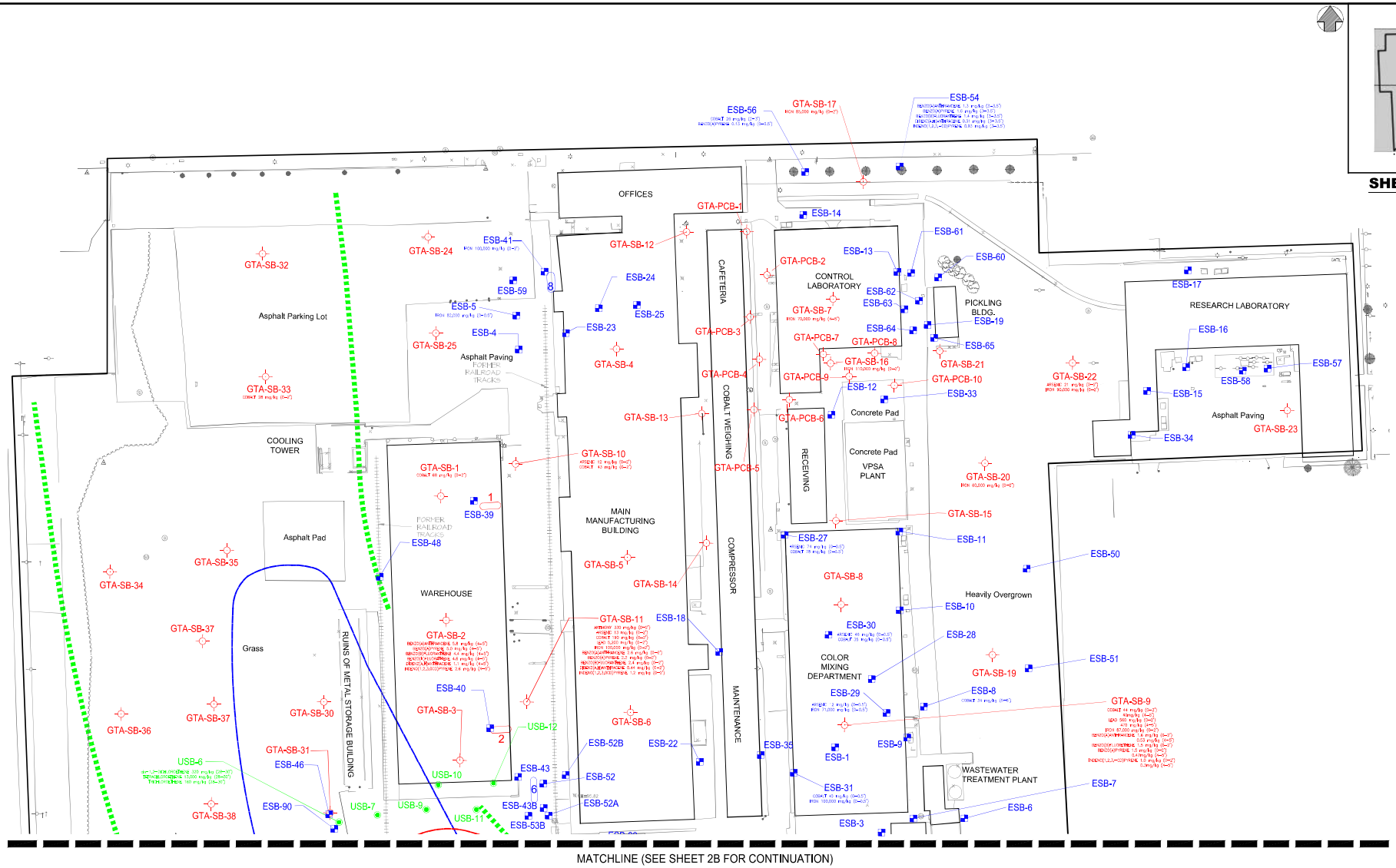
FINAL SUBDIVISION PLAT

5601 EASTERN AVENUE

LOTS 27, 27B, 27C, 28, 29/49
TRP-MCB 5601 EASTERN LLC
MCB 5801 EASTERN LLC
BALTIMORE CITY WARD 26, SECTION 1, BLOCK 6694, LOT 28
BALTIMORE CITY, MARYLAND

DATE	REVISIONS		
1/31/2018	RESPOND TO COMMENTS FROM CLIENT/LENDER	JOB NO.	18247
3/19/2018	RESPOND TO COMMENTS FROM CLIENT/LENDER	SCALE:	1" = 60'
4/25/2018	RESPOND TO COMMENTS FROM CLIENT/LENDER	DATE:	1/26/2018
6/5/2018	RESPOND TO COMMENTS FROM REVIEWER	DRAWN BY:	MAS
9/4/2018	RESPOND TO COMMENTS FROM REVIEWER	DESIGN BY:	
9/17/2018	RESPOND TO COMMENTS FROM REVIEWER	REVIEW BY:	SJH
		SHEET:	1 OF 1

ESD# 7372



SHEET KEY MAP

SCALE: 1" = 400'

MATCHLINE (SEE SHEET 2B FOR CONTINUATION)

LEGEND:

- APPROXIMATE SUBJECT PROPERTY BOUNDARY
- ESB-59 — SOIL SAMPLE LOCATIONS PERFORMED BY OTHERS (ERM, 2006-2013) WITH RESULTS ABOVE NOVEMBER 2017 USEPA RESIDENTIAL REGIONAL SCREENING VALUES
- USB-7 — SOIL SAMPLE LOCATIONS PERFORMED BY OTHERS (URBAN GREEN, 2013) WITH RESULTS ABOVE NOVEMBER 2017 USEPA RESIDENTIAL REGIONAL SCREENING VALUES
- GTA-SB-30 — SOIL SAMPLE LOCATIONS PERFORMED BY GTA (2014, 2017, 2018) WITH RESULTS ABOVE NOVEMBER 2017 USEPA RESIDENTIAL REGIONAL SCREENING VALUES
- APPROXIMATE EXTENT OF CLOSED LANDFILL
- APPROXIMATE EXTENT OF VOC IMPACTS IDENTIFIED DURING PRIOR EVALUATIONS
- APPROXIMATE EXTENT OF METHANE IMPACTS IDENTIFIED DURING PRIOR EVALUATIONS
- 1 — USTS REPORTEDLY CLOSED IN PLACE:
  - 1 - 500-GALLON #2 OIL
  - 2 - 500-GALLON #2 OIL
  - 3 - 12,000-GALLON #2 OIL
  - 4 - 12,000-GALLON #2 OIL
  - 5 - 12,000-GALLON #2 OIL
- 8 — USTS REPORTEDLY REMOVED:
  - 6 - 1,000-GALLON DIESEL FUEL
  - 7 - 500-GALLON GASOLINE
  - 8 - #2 OIL, UNKNOWN CAPACITY

NOTES:

1. BASED ON PLANS PROVIDED BY MORRIS & RITCHIE ASSOCIATES, INC. (MRA), SAMPLE LOCATION PLANS PREPARED BY OTHERS, AND SITE OBSERVATIONS.
2. PROPERTY BOUNDARIES AND SITE FEATURES ARE APPROXIMATE.
3. REFER TO THE *VOC SOIL CHARACTERIZATION SUMMARY TABLES* (*TABLES 2A AND 2B*), THE *SVOCS AND PCBS SOIL SOIL CHARACTERIZATION SUMMARY TABLES* (*TABLES 3A AND 3B*), AND THE *METALS SOIL CHARACTERIZATION SUMMARY TABLE* (*TABLE 4*) FOR COMPLETE SOIL DATA SUMMARY.
4. GTA'S SAMPLE LOCATIONS WERE SELECTED AND STAKED IN THE FIELD BY GTA USING A HANDHELD GPS UNIT. GTA'S SAMPLE LOCATIONS SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
5. EXCEEDANCES OF THE NOVEMBER 2017 USEPA RSLS FOR VOCS, SVOCS, AND METALS ARE SHOWN, EXCEPT FOR ARSENIC. EXCEEDANCES OF THE RISK-BASED COMPARISON VALUE (RCV) FOR ARSENIC ARE SHOWN.

SCALE: 1"=30'

GEO-TECHNOLOGY ASSOCIATES, INC.
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS
14280 PARK CENTER DRIVE, SUITE A
LAUREL, MARYLAND 20707
(410) 792-9446 OR (301) 470-4470
FAX: (410) 792-7395
WWW.GTAENG.COM

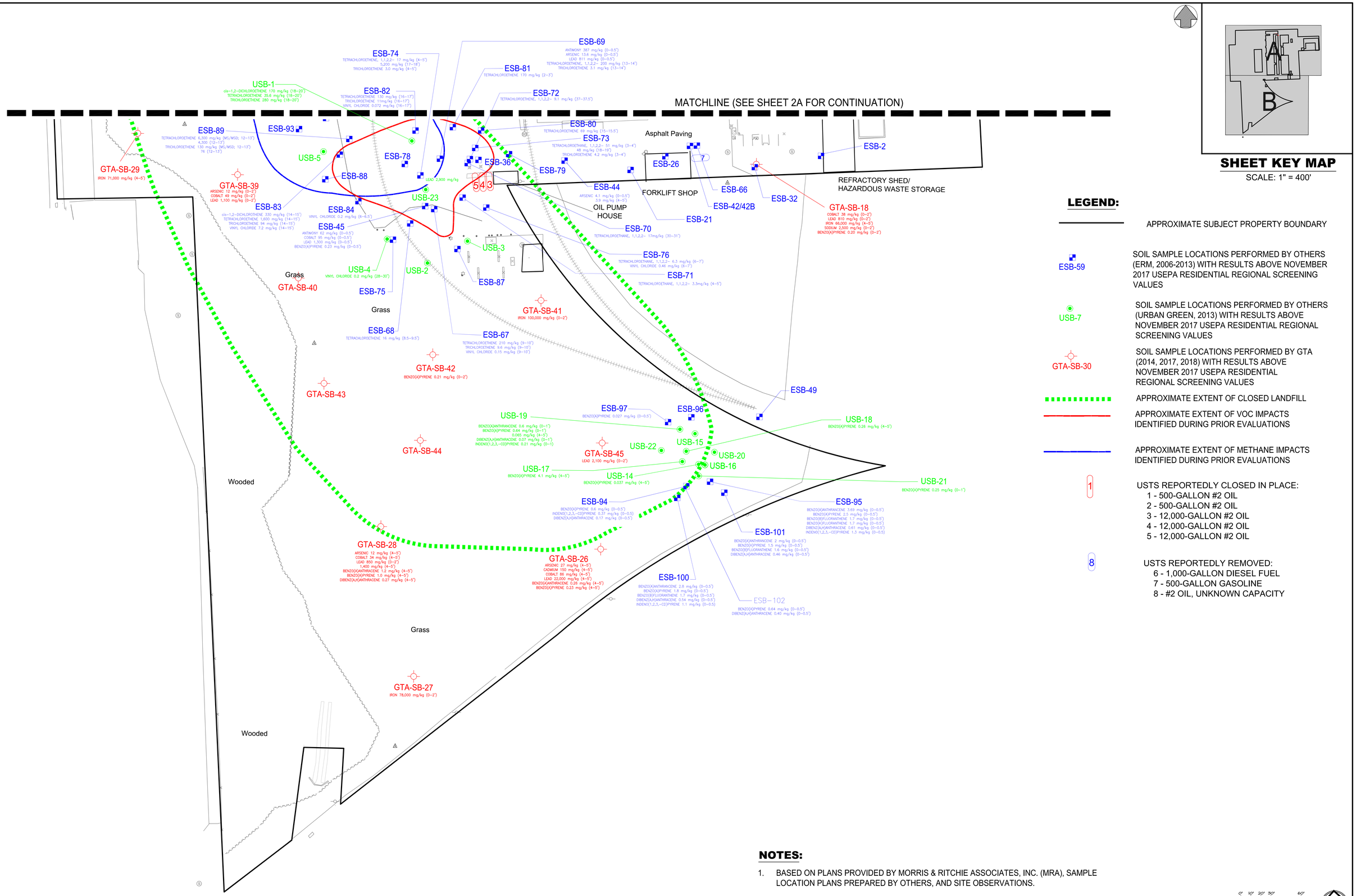
FIGURE 1A

YARD 56, 5601 EASTERN AVENUE

BALTIMORE CITY, MARYLAND

SAMPLE LOCATION PLAN
SOIL SAMPLE POINTS

PROJECT: 140080	DATE: APRIL 2018	SCALE: 1" = 30'	DESIGN BY: MDP	DRAWN BY: KPK	FIGURE: 1A



SHEET KEY MAP

SCALE: 1" = 400'

LEGEND:

- APPROXIMATE SUBJECT PROPERTY BOUNDARY
- ESB-59 — SOIL SAMPLE LOCATIONS PERFORMED BY OTHERS (ERM, 2006-2013) WITH RESULTS ABOVE NOVEMBER 2017 USEPA RESIDENTIAL REGIONAL SCREENING VALUES
- USB-7 — SOIL SAMPLE LOCATIONS PERFORMED BY OTHERS (URBAN GREEN, 2013) WITH RESULTS ABOVE NOVEMBER 2017 USEPA RESIDENTIAL REGIONAL SCREENING VALUES
- GTA-SB-30 — SOIL SAMPLE LOCATIONS PERFORMED BY GTA (2014, 2017, 2018) WITH RESULTS ABOVE NOVEMBER 2017 USEPA RESIDENTIAL REGIONAL SCREENING VALUES
- APPROXIMATE EXTENT OF CLOSED LANDFILL
- APPROXIMATE EXTENT OF VOC IMPACTS IDENTIFIED DURING PRIOR EVALUATIONS
- APPROXIMATE EXTENT OF METHANE IMPACTS IDENTIFIED DURING PRIOR EVALUATIONS
- 1 — USTS REPORTEDLY CLOSED IN PLACE:
  - 1 - 500-GALLON #2 OIL
  - 2 - 500-GALLON #2 OIL
  - 3 - 12,000-GALLON #2 OIL
  - 4 - 12,000-GALLON #2 OIL
  - 5 - 12,000-GALLON #2 OIL
- 8 — USTS REPORTEDLY REMOVED:
  - 6 - 1,000-GALLON DIESEL FUEL
  - 7 - 500-GALLON GASOLINE
  - 8 - #2 OIL, UNKNOWN CAPACITY

NOTES:

1. BASED ON PLANS PROVIDED BY MORRIS & RITCHIE ASSOCIATES, INC. (MRA), SAMPLE LOCATION PLANS PREPARED BY OTHERS, AND SITE OBSERVATIONS.
2. PROPERTY BOUNDARIES AND SITE FEATURES ARE APPROXIMATE.
3. REFER TO THE *VOC SOIL CHARACTERIZATION SUMMARY TABLES* (*TABLES 2A AND 2B*), THE *SVOCS AND PCBS SOIL SOIL CHARACTERIZATION SUMMARY TABLES (TABLES 3A AND 3B)*, AND THE *METALS SOIL CHARACTERIZATION SUMMARY TABLE* (*TABLE 4*) FOR COMPLETE SOIL DATA SUMMARY.
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5. EXCEEDANCES OF THE USEPA NOVEMBER 2017 RSLS FOR VOCS, SVOCS, AND METALS ARE SHOWN, EXCEPT FOR ARSENIC. EXCEEDANCES OF THE RISK-BASED COMPARISON VALUE (RCV) FOR ARSENIC ARE SHOWN.

0' 10' 20' 30' 60'
SCALE: 1"=30'
NORTH

GEO-TECHNOLOGY ASSOCIATES, INC.
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS
14280 PARK CENTER DRIVE, SUITE A
LAUREL, MARYLAND 20707
(410) 792-9446 OR (301) 470-4470
FAX: (410) 792-7395
WWW.GTAENG.COM

FIGURE 1B

YARD 56, 5601 EASTERN AVENUE

BALTIMORE CITY, MARYLAND

SAMPLE LOCATION PLAN
SOIL SAMPLE POINTS

PROJECT: 140080	DATE: APRIL 2018	SCALE: 1" = 30'	DESIGN BY: MDP	REVIEW BY: KPP	FIGURE: 1B

Table 1 VOC Soil Characterization Summary 2014-2017 Sampling

Sample Identification	USEPA Region 3 Residential RSLs				GTA-SB-4	GTA-SB-5	GTA-SB-6	GTA-SB-7	GTA-SB-8	GTA-SB-9	GTA-SB-10
Depth (feet)					4-5	4-5	4-5	4-5	4-5	4-5	4-5
Sample Date		11/17/2014								11/17/2014	
TCL VOCs	(ug/kg)										
1,1,1-Trichloroethane	8,100,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,1,2,2-Tetrachloroethane	2,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,1,2-Trichloro-1,2,2-Trifluoroethane	6,700,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,1,2-Trichloroethane	1,100				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,1-Dichloroethane	3,600				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,1-Dichloroethene	230,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,2,3-Trichlorobenzene	63,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,2,4-Trichlorobenzene	24,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,2-Dibromo-3-Chloropropane	5.3				<32	<43	<35	<38	<40	<36	<42
1,2-Dibromoethane (EDB)	36				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,2-Dichlorobenzene	1,800,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,2-Dichloroethane	46				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,2-Dichloropropane	2,500				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,3-Dichlorobenzene	NE				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
1,4-Dichlorobenzene	2,600				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
2-Butanone (MEK)	27,000,000				<16	<21	<17	<19	<20	<18	<21
2-Hexanone	200,000				<16	<21	<17	<19	<20	<18	<21
4-Methyl-2-Pentanone	33,000,000				<16	<21	<17	<19	<20	<18	<21
Acetone	61,000,000				<16	<21	<17	<19	<20	<18	<21
Benzene	1,200				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Bromochloromethane	150,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Bromodichloromethane	290				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Bromoform	19,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Bromomethane	6,800				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Carbon Disulfide	770,000				<8.0	<11	<8.7	<9.5	<10	<9.1	<10
Carbon Tetrachloride	650				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Chlorobenzene	280,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Chloroethane	14,000,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Chloroform	320				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Chloromethane	110,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Cyclohexane	6,500,000				<16	<21	<17	<19	<20	<18	<21
Dibromochloromethane	8,300				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Dichlorodifluoromethane	87,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Ethylbenzene	5,800				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Isopropylbenzene	1,900,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Methyl Acetate	78,000,000				<16	<21	<17	<19	<20	<18	<21
Methyl-t-butyl ether	47,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Methylcyclohexane	NE				<16	<21	<17	<19	<20	<18	<21
Methylene Chloride	57,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Naphthalene	3,800				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Styrene	6,000,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Tetrachloroethene	24,000				<4.0	<5.3	9.8	<4.8	<5.0	<4.5	<5.2
Toluene	4,900,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Trichloroethene	940				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Trichlorofluoromethane	23,000,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
Vinyl Chloride	59				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
cis-1,2-Dichloroethene	160,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
cis-1,3-Dichloropropene	NE				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
m,p-Xylenes	1,010,000				<8.0	<11	<8.7	<9.5	<10	<9.1	<10
o-Xylene	650,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
trans-1,2-Dichloroethene	1,600,000				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2
trans-1,3-Dichloropropene	NE				<4.0	<5.3	<4.3	<4.8	<5.0	<4.5	<5.2

Table 1 VOC Soil Characterization Summary 2014-2017 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	GTA-SB-11	GTA-SB-12	GTA-SB-13	GTA-SB-14	GTA-SB-15	GTA-SB-16	GTA-SB-17	GTA-SB-18		
Depth (feet)		4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5		
Sample Date		11/17/2014						11/17/2014			
TCL VOCs	(ug/kg)										
1,1,1-Trichloroethane	8,100,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,1,2,2-Tetrachloroethane	2,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,1,2-Trichloro-1,2,2-Trifluoroethane	6,700,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,1,2-Trichloroethane	1,100	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,1-Dichloroethane	3,600	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,1-Dichloroethene	230,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,2,3-Trichlorobenzene	63,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,2,4-Trichlorobenzene	24,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,2-Dibromo-3-Chloropropane	5.3	<39	<39	<41	<34	<40	<39	<44	<33		
1,2-Dibromoethane (EDB)	36	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,2-Dichlorobenzene	1,800,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,2-Dichloroethane	46	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,2-Dichloropropane	2,500	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,3-Dichlorobenzene	NE	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
1,4-Dichlorobenzene	2,600	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
2-Butanone (MEK)	27,000,000	<20	<19	<21	<17	<20	<19	<22	<16		
2-Hexanone	200,000	<20	<19	<21	<17	<20	<19	<22	<16		
4-Methyl-2-Pentanone	33,000,000	<20	<19	<21	<17	<20	<19	<22	<16		
Acetone	61,000,000	30	<19	<21	<17	<20	<19	<22	<16		
Benzene	1,200	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Bromochloromethane	150,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Bromodichloromethane	290	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Bromoform	19,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Bromomethane	6,800	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Carbon Disulfide	770,000	<9.8	<9.6	<10	<8.6	<10	<9.6	<11	<8.2		
Carbon Tetrachloride	650	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Chlorobenzene	280,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Chloroethane	14,000,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Chloroform	320	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Chloromethane	110,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Cyclohexane	6,500,000	<20	<19	<21	<17	<20	<19	<22	<16		
Dibromochloromethane	8,300	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Dichlorodifluoromethane	87,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Ethylbenzene	5,800	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Isopropylbenzene	1,900,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Methyl Acetate	78,000,000	<20	<19	<21	<17	<20	<19	<22	<16		
Methyl-t-butyl ether	47,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Methylcyclohexane	NE	<20	<19	<21	<17	<20	<19	<22	<16		
Methylene Chloride	57,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Naphthalene	3,800	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Styrene	6,000,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Tetrachloroethene	24,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Toluene	4,900,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Trichloroethene	940	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Trichlorofluoromethane	23,000,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
Vinyl Chloride	59	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
cis-1,2-Dichloroethene	160,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
cis-1,3-Dichloropropene	NE	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
m,p-Xylenes	1,010,000	<9.8	<9.6	<10	<8.6	<10	<9.6	<11	<8.2		
o-Xylene	650,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
trans-1,2-Dichloroethene	1,600,000	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		
trans-1,3-Dichloropropene	NE	<4.9	<4.8	<5.1	<4.3	<5.0	<4.8	<5.5	<4.1		

Table 1 VOC Soil Characterization Summary 2014-2017 Sampling

Sample Identification	USEPA Region 3 Residential RSLs						GTA-PCB-10	GTA-PCB-7	GTA-PCB-6	GTA-PCB-4	GTA-PCB-2
Depth (feet)							10	7	6	4	2
Sample Date							7/10/2017				
TCL VOCs	(ug/kg)										
1,1,1-Trichloroethane	8,100,000						<4.3	<4.5	<4.3	<4.2	<4.3
1,1,2,2-Tetrachloroethane	2,000						<4.3	<4.5	<4.3	<4.2	<4.3
1,1,2-Trichloro-1,2,2-Trifluoroethane	6,700,000						<4.3	<4.5	<4.3	<4.2	<4.3
1,1,2-Trichloroethane	1,100						<4.3	<4.5	<4.3	<4.2	<4.3
1,1-Dichloroethane	3,600						<4.3	<4.5	<4.3	<4.2	<4.3

1,1-Dichloroethene	230,000						<4.3	<4.5	<4.3	<4.2	<4.3
1,2,3-Trichlorobenzene	63,000						<4.3	<4.5	<4.3	<4.2	<4.3
1,2,4-Trichlorobenzene	24,000						<4.3	<4.5	<4.3	<4.2	<4.3
1,2-Dibromo-3-Chloropropane	5.3						<35	<36	<34	<33	<35
1,2-Dibromoethane (EDB)	36						<4.3	<4.5	<4.3	<4.2	<4.3
1,2-Dichlorobenzene	1,800,000						<4.3	<4.5	<4.3	<4.2	<4.3
1,2-Dichloroethane	46						<4.3	<4.5	<4.3	<4.2	<4.3
1,2-Dichloropropane	2,500						<4.3	<4.5	<4.3	<4.2	<4.3
1,3-Dichlorobenzene	NE						<4.3	<4.5	<4.3	<4.2	<4.3
1,4-Dichlorobenzene	2,600						<4.3	<4.5	<4.3	<4.2	<4.3
2-Butanone (MEK)	27,000,000						<17	<18	<17	<17	<17
2-Hexanone	200,000						<17	<18	<17	<17	<17
4-Methyl-2-Pentanone	33,000,000						<17	<18	<17	<17	<17
Acetone	61,000,000						<17	<18	<17	<17	<17
Benzene	1,200						<4.3	<4.5	<4.3	<4.2	<4.3
Bromochloromethane	150,000						<4.3	<4.5	<4.3	<4.2	<4.3
Bromodichloromethane	290						<4.3	<4.5	<4.3	<4.2	<4.3
Bromoform	19,000						<4.3	<4.5	<4.3	<4.2	<4.3
Bromomethane	6,800						<4.3	<4.5	<4.3	<4.2	<4.3
Carbon Disulfide	770,000						<8.6	<9.0	<8.6	<8.4	<8.6
Carbon Tetrachloride	650						<4.3	<4.5	<4.3	<4.2	<4.3
Chlorobenzene	280,000						<4.3	<4.5	<4.3	<4.2	<4.3
Chloroethane	14,000,000						<4.3	<4.5	<4.3	<4.2	<4.3
Chloroform	320						<4.3	<4.5	<4.3	<4.2	<4.3
Chloromethane	110,000						<4.3	<4.5	<4.3	<4.2	<4.3
Cyclohexane	6,500,000						<17	<18	<17	<17	<17
Dibromochloromethane	8,300						<4.3	<4.5	<4.3	<4.2	<4.3
Dichlorodifluoromethane	87,000						<4.3	<4.5	<4.3	<4.2	<4.3
Ethylbenzene	5,800						<4.3	<4.5	<4.3	<4.2	<4.3
Isopropylbenzene	1,900,000						<4.3	<4.5	<4.3	<4.2	<4.3
Methyl Acetate	78,000,000						<17	<18	<17	<17	<17
Methyl-t-butyl ether	47,000						<4.3	<4.5	<4.3	<4.2	<4.3
Methylcyclohexane	NE						<17	<18	<17	<17	<17
Methylene Chloride	57,000						<4.3	<4.5	<4.3	<4.2	<4.3
Naphthalene	3,800						<4.3	<4.5	<4.3	<4.2	<4.3
Styrene	6,000,000						<4.3	<4.5	<4.3	<4.2	<4.3
Tetrachloroethene	24,000						4.8	8.9	<4.3	<4.2	4.8
Toluene	4,900,000						<4.3	<4.5	<4.3	<4.2	<4.3
Trichloroethene	940						<4.3	<4.5	<4.3	<4.2	<4.3
Trichlorofluoromethane	23,000,000						<4.3	<4.5	<4.3	<4.2	<4.3
Vinyl Chloride	59						<4.3	<4.5	<4.3	<4.2	<4.3
cis-1,2-Dichloroethene	160,000						<4.3	<4.5	<4.3	<4.2	<4.3
cis-1,3-Dichloropropene	NE						<4.3	<4.5	<4.3	<4.2	<4.3
m,p-Xylenes	1,010,000						<8.6	<9.0	<8.6	<8.4	<8.6
o-Xylene	650,000						<4.3	<4.5	<4.3	<4.2	<4.3
trans-1,2-Dichloroethene	1,600,000						<4.3	<4.5	<4.3	<4.2	<4.3
trans-1,3-Dichloropropene	NE						<4.3	<4.5	<4.3	<4.2	<4.3

Table 1 VOC Soil Characterization Summary Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	ESB-2	ESB-2	ESB-6	ESB-7	ESB-8	ESB-8 DUP	ESB-16	ESB-16
Depth (feet)		0-0.5	4-5	4-5	4-5	9-10	9-10	3-4	9-10
Sample Date		12/13/2006				12/26/2006		12/13/2006	
VOCs	(mg/kg)								
Acetone	61,000	<0.021	<0.016	<0.023	<0.020	<0.020	<0.023	<0.019	<0.030
Benzene	1.2	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Butanone, 2- (MEK)	27,000	<0.021	<0.016	<0.023	<0.020	<0.020	<0.023	<0.019	<0.019
Carbon Disulfide	770	<0.101	<0.008	<0.102	<0.102	<0.010	<0.101	<0.010	<0.010
Carbon tetrachloride	0.65	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Chlorobenzene	280	<0.005	<0.005	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Chloroform	0.32	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
cis-1,2-Dichloroethene	160	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Cyclohexane	6,500	<0.021	<0.016	<0.023	0.027	<0.020	<0.023	<0.019	<0.019
Dichlorobenzene, 1,2-	1,800	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Dichlorobenzene,1,3-	NE	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Dichloroethene, 1,1-	230	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Ethylbenzene	5.8	<0.005	<0.004	<0.006	0.014	<0.005	<0.006	<0.005	<0.005
Hexanone, 2-(MBK)	200	<0.021	<0.016	<0.023	<0.020	<0.020	<0.023	<0.019	<0.019
Isopropylbenzene	1,900	<0.005	<0.004	<0.006	0.007	<0.005	<0.006	<0.005	<0.005
m&p-Xylene	1,010	<0.011	<0.008	<0.012	0.065	<0.010	<0.011	<0.010	<0.019
Methyl, 4-Pentanone, -2- (MIBK)	33,000	<0.021	<0.016	<0.023	<0.020	<0.020	<0.023	<0.019	<0.019
Methylcyclohexane	NE	<0.021	<0.016	<0.023	4.3 K	<0.020	<0.023	<0.019	<0.019
Methylene chloride	57	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Naphthalene	3.8	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
o-Xylene	650	<0.005	<0.004	<0.006	0.023	<0.005	<0.006	<0.005	<0.005
Tetrachloroethane, 1,1,2,2-	2	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Tetrachloroethene	24	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Toluene	4,900	<0.005	<0.004	<0.006	0.005 J	<0.005	<0.006	<0.005	<0.005
trans-1,2-Dichloroethene	1,600	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Trichloroethene	0.94	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Trichlorofluoromethane	23,000	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005
Vinyl Chloride	0.059	<0.005	<0.004	<0.006	<0.006	<0.005	<0.006	<0.005	<0.005

Table 1 VOC Soil Characterization Summary Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	ESB-17	ESB-18	ESB-19	ESB-22	ESB-22	ESB-34	ESB-34	ESB-35
Depth (feet)		0-0.5	0-0.5	0-0.5	0-0.5	4-5	0-0.5	4-5	4-5
Sample Date		12/08/2006	12/14/2006	12/13/2006	12/12/2006		12/13/2006		12/08/2006
VOCs	(mg/kg)								
Acetone	61,000	0.062	<0.019	<0.020	<0.018	<0.023	<0.018	<0.015	<0.019
Benzene	1.2	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Butanone, 2- (MEK)	27,000	<0.030	<0.019	<0.020	<0.018	<0.023	<0.018	<0.015	<0.019
Carbon Disulfide	770	<0.105	<0.010	<0.010	<0.009	<0.102	<0.009	<0.007	<0.01
Carbon tetrachloride	0.65	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Chlorobenzene	280	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Chloroform	0.32	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
cis-1,2-Dichloroethene	160	<0.007	<0.005	0.003J	<0.005	<0.006	<0.005	<0.004	<0.005
Cyclohexane	6,500	<0.030	<0.019	<0.020	<0.018	<0.023	<0.018	<0.015	<0.019
Dichlorobenzene, 1,2-	1,800	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Dichlorobenzene,1,3-	NE	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Dichloroethene, 1,1-	230	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Ethylbenzene	5.8	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Hexanone, 2-(MBK)	200	<0.030	<0.019	<0.020	<0.018	<0.023	<0.018	<0.015	<0.019
Isopropylbenzene	1,900	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
m&p-Xylene	1,010	<0.015	<0.009	<0.010	<0.009	<0.012	<0.009	<0.007	<0.01
Methyl, 4-Pentanone, -2- (MIBK)	33,000	<0.030	<0.019	<0.020	<0.018	<0.023	<0.018	<0.015	<0.019
Methylcyclohexane	NE	<0.030	<0.019	<0.020	<0.018	<0.023	<0.018	<0.015	<0.019
Methylene chloride	57	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Naphthalene	3.8	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
o-Xylene	650	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Tetrachloroethane, 1,1,2,2-	2	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Tetrachloroethene	24	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Toluene	4,900	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
trans-1,2-Dichloroethene	1,600	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Trichloroethene	0.94	<0.007	<0.005	0.091	<0.005	<0.006	<0.005	<0.004	<0.005
Trichlorofluoromethane	23,000	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005
Vinyl Chloride	0.059	<0.007	<0.005	<0.005	<0.005	<0.006	<0.005	<0.004	<0.005

Table 1 VOC Soil Characterization Summary Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	ESB-42B	ESB-44	ESB-44	ESB-47	ESB-53B	ESB-54	ESB-54	ESB-54 DUP
Depth (feet)		14-15	0-0.5	4-5	3-4	11-12	0-0.5	3-3.5	3-3.5
Sample Date		12/12/2006	12/26/2006		12/08/2006	12/12/2006	01/18/2007		
VOCs	(mg/kg)								
Acetone	61,000	<0.021	<0.018	<0.022	<0.021	0.025 K	<0.019	<0.021	<0.033
Benzene	1.2	0.74 K	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
Butanone, 2- (MEK)	27,000	0.086 K	<0.018	<0.022	<0.021	<0.02	<0.019	<0.021	<0.033
Carbon Disulfide	770	<0.01	<0.009	-<0.01	<0.011	<0.01	<0.005	<0.005	<0.033
Carbon tetrachloride	0.65	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
Chlorobenzene	280	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
Chloroform	0.32	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
cis-1,2-Dichloroethene	160	<0.005	<0.005	<0.005	0.003 K	<0.005	<0.005	<0.005	<0.008
Cyclohexane	6,500	0.07 K	<0.018	<0.022	<0.021	<0.02	<0.019	<0.021	<0.033
Dichlorobenzene, 1,2-	1,800	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
Dichlorobenzene,1,3-	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
Dichloroethene, 1,1-	230	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
Ethylbenzene	5.8	0.17 K	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
Hexanone, 2-(MBK)	200	0.086 K	<0.018	<0.022	<0.021	<0.02	<0.019	<0.021	<0.033
Isopropylbenzene	1,900	0.009 K	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
m&p-Xylene	1,010	0.500 K	<0.009	-<0.011	<0.011	<0.01	<0.01	<0.01	<0.016
Methyl, 4-Pentanone, -2- (MIBK)	33,000	0.043 K	<0.018	<0.022	<0.021	<0.02	<0.019	<0.021	<0.033
Methylcyclohexane	NE	0.026 K	<0.018	<0.022	<0.021	<0.02	<0.019	<0.021	<0.033
Methylene chloride	57	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
Naphthalene	3.8	0.12 K	0.007 K	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
o-Xylene	650	0.22 K	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
Tetrachloroethane, 1,1,2,2-	2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
Tetrachloroethene	24	<0.005	<0.005	0.039 K	0.045 K	<0.005	<0.005	<0.005	<0.008
Toluene	4,900	1.5 K	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
trans-1,2-Dichloroethene	1,600	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
Trichloroethene	0.94	<0.005	<0.005	<0.005	0.022 K	<0.005	<0.005	<0.005	<0.008
Trichlorofluoromethane	23,000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008
Vinyl Chloride	0.059	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.008

Table 1 VOC Soil Characterization Summary Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	ESB-56	ESB-56	ESB-59	ESB-60	ESB-60	ESB-61	ESB-61	ESB-62
Depth (feet)		0-0.5	2-3	0-0.83	9-10	19-20	2-3	14-15	3-4
Sample Date		01/18/2007		08/14/2007	08/14/2007				
VOCs	(mg/kg)								
Acetone	61,000	0.03	<0.02	<0.02	<0.02	<0.018	<0.019	<0.018	<0.018
Benzene	1.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Butanone, 2- (MEK)	27,000	<0.019	<0.02	<0.02	<0.02	<0.018	<0.019	<0.018	<0.018
Carbon Disulfide	770	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon tetrachloride	0.65	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	280	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	0.32	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	160	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyclohexane	6,500	<0.019	<0.02	<0.02	<0.02	<0.018	<0.019	<0.018	<0.018
Dichlorobenzene, 1,2-	1,800	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorobenzene,1,3-	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichloroethene, 1,1-	230	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	5.8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexanone, 2-(MBK)	200	<0.019	<0.02	<0.02	<0.02	<0.018	<0.019	<0.018	<0.018
Isopropylbenzene	1,900	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m&p-Xylene	1,010	<0.01	<0.01	<0.01	<0.01	<0.009	<0.009	<0.009	<0.009
Methyl, 4-Pentanone, -2- (MIBK)	33,000	<0.019	<0.02	<0.02	<0.02	<0.018	<0.019	<0.018	<0.018
Methylcyclohexane	NE	<0.019	<0.02	<0.02	<0.02	<0.018	<0.019	<0.018	<0.018
Methylene chloride	57	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Naphthalene	3.8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	650	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethane, 1,1,2,2-	2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	24	<0.005	<0.005	<0.005	0.59	<0.005	<0.005	<0.005	<0.005
Toluene	4,900	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	1,600	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.94	<0.005	<0.005	<0.005	0.59	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	23,000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	0.059	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Table 1 VOC Soil Characterization Summary Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	ESB-62	ESB-63	ESB-63	ESB-64	ESB-64 DUP	ESB-64	ESB-65	ESB-65
Depth (feet)		14-15	7-8	14-15	5-6	5-6	14-15	8-9	14-15
Sample Date		08/14/2007							
VOCs	(mg/kg)								
Acetone	61,000	<0.018	<0.018	<0.017	<0.019	<0.021	<0.018	<0.019	<0.017
Benzene	1.2	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Butanone, 2- (MEK)	27,000	<0.018	<0.018	<0.017	<0.019	<0.021	<0.018	<0.019	<0.017
Carbon Disulfide	770	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.010
Carbon tetrachloride	0.65	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Chlorobenzene	280	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Chloroform	0.32	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
cis-1,2-Dichloroethene	160	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Cyclohexane	6,500	<0.018	<0.018	<0.017	<0.019	<0.021	<0.018	<0.019	<0.017
Dichlorobenzene, 1,2-	1,800	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Dichlorobenzene,1,3-	NE	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Dichloroethene, 1,1-	230	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Ethylbenzene	5.8	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Hexanone, 2-(MBK)	200	<0.018	<0.018	<0.017	<0.019	<0.021	<0.018	<0.019	<0.017
Isopropylbenzene	1,900	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
m&p-Xylene	1,010	<0.009	<0.009	<0.008	<0.01	<0.01	<0.009	<0.009	<0.009
Methyl, 4-Pentanone, -2- (MIBK)	33,000	<0.018	<0.018	<0.017	<0.019	<0.021	<0.018	<0.019	<0.017
Methylcyclohexane	NE	<0.018	<0.018	<0.017	<0.019	<0.021	<0.018	<0.019	<0.017
Methylene chloride	57	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Naphthalene	3.8	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
o-Xylene	650	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Tetrachloroethane, 1,1,2,2-	2	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Tetrachloroethene	24	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Toluene	4,900	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
trans-1,2-Dichloroethene	1,600	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Trichloroethene	0.94	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Trichlorofluoromethane	23,000	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004
Vinyl Chloride	0.059	<0.005	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.004

Table 1 VOC Soil Characterization Summary Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	ESB-66	ESB-67	ESB-68	ESB-69	ESB-69	ESB-70	ESB-71	ESB-72
Depth (feet)		27.5-28.5	9-10	8.5-9.5	13-14	28-29	30-31	4-5	37-37.5
Sample Date		08/14/2007		08/15/2007			08/15/2007		08/28/2007
VOCs	(mg/kg)								
Acetone	61,000	<0.017	0.11	0.015 J	0.027	<0.02	<1.0	<0.84	<1.7
Benzene	1.2	<0.004	<0.005	<0.005	<0.006	<0.005	<0.26	<0.21	<0.43
Butanone, 2- (MEK)	27,000	<0.017	<0.02	<0.018	<0.024	<0.02	<1.0	<0.84	<1.7
Carbon Disulfide	770	<0.010	<0.01	<0.009	<0.012	<0.01	<0.52	<0.42	<0.87
Carbon tetrachloride	0.65	<0.004	<0.005	<0.005	0.005 J	<0.005	<0.26	<0.21	<0.43
Chlorobenzene	280	<0.004	0.005 J	<0.005	<0.006	<0.005	<0.26	<0.21	<0.43
Chloroform	0.32	<0.004	0.12	0.004 J	0.072	<0.005	<0.26	<0.21	<0.43
cis-1,2-Dichloroethene	160	<0.004	11	0.75	1	0.017	<0.26	<0.21	0.3 J
Cyclohexane	6,500	<0.017	<0.02	<0.018	<0.024	<0.02	<1.0	<0.84	<1.7
Dichlorobenzene, 1,2-	1,800	<0.004	0.003 J	<0.005	<0.006	<0.005	<0.26	<0.21	<0.43
Dichlorobenzene,1,3-	NE	<0.004	0.004 J	<0.005	<0.006	<0.005	<0.26	<0.21	<0.43
Dichloroethene, 1,1-	230	<0.004	0.012	<0.005	<0.006	<0.005	<0.26	<0.21	<0.43
Ethylbenzene	5.8	0.005 J	<0.005	<0.005	<0.006	<0.005	<0.26	<0.21	<0.43
Hexanone, 2-(MBK)	200	<0.017	<0.02	<0.018	<0.024	<0.02	<1.0	<0.84	<1.7
Isopropylbenzene	1,900	<0.004	<0.005	<0.005	<0.006	<0.005	<0.26	<0.21	<0.43
m&p-Xylene	1,010	0.014 J	<0.01	<0.009	<0.012	<0.01	<0.52	<0.42	<0.87
Methyl, 4-Pentanone, -2- (MIBK)	33,000	<0.017	<0.02	<0.018	<0.024	<0.02	<1.0	<0.84	<1.7
Methylcyclohexane	NE	<0.017	<0.02	<0.018	<0.024	<0.02	<1.0	<0.84	<1.7
Methylene chloride	57	<0.004	0.042	<0.005	<0.006	<0.005	<0.26	<0.21	<0.43
Naphthalene	3.8	0.002 J	0.005 J	<0.005	0.045	<0.005	3.6	<0.21	0.24 J
o-Xylene	650	0.009 J	<0.005	<0.005	<0.006	<0.005	<0.26	<0.21	<0.43
Tetrachloroethane, 1,1,2,2-	2	<0.004	0.017	<0.005	200 J	0.024	17	3.3	9.1
Tetrachloroethene	24	<0.004	210 J	16	<0.006	<0.005	<0.26	<0.21	<0.43
Toluene	4,900	0.033 J	0.004 J	<0.005	<0.006	<0.005	<0.26	<0.21	<0.43
trans-1,2-Dichloroethene	1,600	<0.004	0.17	0.011	<0.006	<0.005	<0.26	<0.21	<0.43
Trichloroethene	0.94	<0.004	9.6	0.67	3.1	0.006	<0.26	0.25	0.58
Trichlorofluoromethane	23,000	<0.004	<0.005	<0.005	<0.006	<0.005	<0.26	<0.21	<0.43
Vinyl Chloride	0.059	<0.004	0.15	<0.005	<0.006	<0.005	<0.26	<0.21	<0.43

Table
Metals Soil Characterization Summary

Sample Identification	USEPA Region 3 Residential RSLs	GTA-SB-5	GTA-SB-5	GTA-SB-6	GTA-SB-6	GTA-SB-8	GTA-SB-8
Depth (feet)		**0-2**	**4-5**	**0-2**	**4-5**	**0-2**	**4-5**
Sample Date		**11/17/2014**	**11/17/2014**	**11/17/2014**	**11/17/2014**	**11/17/2014**	**11/17/2014**
Target Analyte List Metals	**(mg/kg)**						
Aluminum	77,000	9,400	19,000	6,200	13,000	20,000	6,400
Antimony	31	<2.3	<2.7	<2.3	<2.5	<2.1	<2.2
Arsenic	0.68	3.5	4.8	1.7	5.4	4.9	1.9
Barium	15,000	40	66	47	78	28	66
Beryllium	160	<2.3	<2.7	<2.3	<2.5	<2.1	<2.2
Cadmium	71	<2.3	<2.7	<2.3	<2.5	<2.1	<2.2
Calcium	NE	570	680	440	680	320	220
Chromium (Total)	NE	27	34	14	37	29	12
Cobalt	23	7.7	7	6	13	20	4.7
Copper	3,100	25	21	16	29	14	12
Iron	55,000	41,000	40,000	16,000	50,000	33,000	6,700
Lead	400	24	11	15	20	13	4.5
Magnesium	NE	320	910	180	290	480	200
Manganese	NE	76	60	36	120	190	30
Mercury	11	<0.091	<0.11	<0.092	<0.10	<0.085	<0.089
Nickel (soluable salts)	1,500	13	13	14	29	11	5.9
Potassium	NE	840	1,200	410	650	570	1,200
Selenium	390	<2.3	<2.7	<2.3	<2.5	<2.1	<2.2
Silver	390	<2.3	<2.7	<2.3	<2.5	<2.1	<2.2
Sodium	NE	320	390	140	290	130	73
Thallium	0.78	<1.8	<2.1	<1.8	<2.0	<1.7	<1.8
Vanadium	390	53	58	22	57	36	15
Zinc	23,000	34	28	26	45	13	14
Other Metals							
Lithium	160						
Strontium	47,000						
Titanium	140,000						
Cyanide (Total)	NE						
TCLP lead	NE						

Table
Metals Soil Characterization Summary

Sample Identification	USEPA Region 3 Residential RSLs	GTA-SB-9	GTA-SB-9	GTA-SB-12
Depth (feet)		**0-2**	**4-5**	**4-5**
Sample Date		**11/17/2014**	**11/17/2014**	**11/17/2014**
Target Analyte List Metals	**(mg/kg)**			4,800
Aluminum	77,000	7,000	5,500	<2.9
Antimony	31	24	14	2.8
Arsenic	0.68	3.2	5.8	28
Barium	15,000	64	72	<2.9
Beryllium	160	<2.2	<2.1	<2.9
Cadmium	71	19	19	65
Calcium	NE	6,000	5,200	29
Chromium (Total)	NE	80	81	<2.9
Cobalt	23	44	40	10
Copper	3,100	53	78	27,000
Iron	55,000	32,000	87,000	5.7
Lead	400	560	470	460
Magnesium	NE	470	440	26
Manganese	NE	160	410	<0.12
Mercury	11	<0.089	<0.082	4.5
Nickel (soluable salts)	1,500	41	52	360
Potassium	NE	500	570	<2.9
Selenium	390	<2.2	<2.1	<2.9
Silver	390	<2.2	<2.1	100
Sodium	NE	100	130	<2.3
Thallium	0.78	<1.8	<1.6	52
Vanadium	390	19	21	<12
Zinc	23,000	140	140	
Other Metals				
Lithium	160			
Strontium	47,000			
Titanium	140,000			
Cyanide (Total)	NE			
TCLP lead	NE			

Table
Metals Soil Characterization Summary

Sample Identification	USEPA Region 3 Residential RSLs	GTA-SB-14	GTA-SB-14	GTA-SB-15	GTA-SB-15	GTA-SB-16	
Depth (feet)		**0-2**	**4-5**	**4-5**	**0-2**	**0-2**	
Sample Date		**11/17/2014**	**11/17/2014**	**11/17/2014**	**11/17/2014**	**11/17/2014**	
Target Analyte List Metals	**(mg/kg)**						
Aluminum	77,000	10,000	6,100	6,600	3,900	9,600	
Antimony	31	4.6	<2.4	<2.2	<3.0	<2.8	
Arsenic	0.68	4.7	2.9	1.9	3	6	
Barium	15,000	75	32	41	50	34	
Beryllium	160	<2.4	<2.4	<2.2	<3.0	3.9	
Cadmium	71	<2.4	<2.4	<2.2	4.9	<2.8	
Calcium	NE	820	150	770	740	950	
Chromium (Total)	NE	29	37	33	26	52	
Cobalt	23	11	5.2	11	12	18	
Copper	3,100	17	14	42	44	42	
Iron	55,000	18,000	52,000	39,000	35,000	110,000	
Lead	400	56	12	22	190	11	
Magnesium	NE	1700	300	170	150	140	
Manganese	NE	83	39	72	150	98	
Mercury	11	<0.094	<0.095	<0.087	<0.12	<0.11	
Nickel (soluable salts)	1,500	19	7.6	21	17	47	
Potassium	NE	1,100	360	900	560	880	
Selenium	390	<2.4	<2.4	<2.2	<3.0	<2.8	
Silver	390	<2.4	<2.4	<2.2	<3.0	<2.8	
Sodium	NE	2,500	400	45	<60	<56	
Thallium	0.78	<1.9	<1.9	<1.7	<2.4	<2.2	
Vanadium	390	41	64	83	49	150	
Zinc	23,000	73	16	31	77	65	
Other Metals							
Lithium	160						
Strontium	47,000						
Titanium	140,000						
Cyanide (Total)	NE						
TCLP lead	NE						

Table
Metals Soil Characterization Summary

Sample Identification	USEPA Region 3 Residential RSLs	GTA-SB-19	GTA-SB-19	GTA-SB-20	
Depth (feet)		**0-2**	**4-5**	**0-2**	
Sample Date		**11/19/2014**			
Target Analyte List Metals	**(mg/kg)**				
Aluminum	77,000	5,200	7,300	9,100	
Antimony	31	<2.6	<2.5	<2.7	
Arsenic	0.68	0.84	<0.50	1.6	
Barium	15,000	35	41	55	
Beryllium	160	<2.6	<2.5	<2.7	
Cadmium	71	3.9	<2.5	<2.7	
Calcium	NE	9,100	280	250	
Chromium (Total)	NE	17	20	25	
Cobalt	23	11	3.4	4.1	
Copper	3,100	15	7.5	30	
Iron	55,000	25,000	12,000	40,000	
Lead	400	22	8	11	
Magnesium	NE	5,300	190	180	
Manganese	NE	71	31	29	
Mercury	11	<0.11	<0.10	<0.11	
Nickel (soluable salts)	1,500	9	5.3	9.9	
Potassium	NE	550	880	1,200	
Selenium	390	<2.6	<2.5	<2.7	
Silver	390	<2.6	<2.5	<2.7	
Sodium	NE	<53	<50	<55	
Thallium	0.78	<2.1	<2.0	<2.2	
Vanadium	390	19	15	69	
Zinc	23,000	64	<10	20	
Other Metals					
Lithium	160				
Strontium	47,000				
Titanium	140,000				
Cyanide (Total)	NE				
TCLP lead	NE				

Table
Metals Soil Characterization Summary

Sample Identification	USEPA Region 3 Residential RSLs	ESB-1	ESB-2	ESB-2
Depth (feet)		**0-0.5**	**0-0.5**	**4-5**
Sample Date		**12/11/2006**	**12/13/2006**	
Target Analyte List Metals	**(mg/kg)**			
Aluminum	77,000	6,600 L	5,100	5,900 L
Antimony	31	<2.7>	<2.8 L	<2.3
Arsenic	0.68	6.3	0.65 B	5
Barium	15,000	64	29	37 B
Beryllium	160	<2.7	<2.8	<2.3
Cadmium	71	<2.7	<2.8	<2.3
Calcium	NE	1,500	310 L	120 B
Chromium (Total)	NE	32	18 J	44
Cobalt	23	16	<2.8	7.7 B
Copper	3,100	28	6.2 L	31
Iron	55,000	37,000	8,800	51,000
Lead	400	54	3.4 L	11
Magnesium	NE	460	160 L	210
Manganese	NE	110	15 K	150
Mercury	11	<0.11	<0.11	<0.092
Nickel (soluable salts)	1,500	15	3.6	15 B
Potassium	NE	670	780 K	310 B
Selenium	390	<2.7	<2.8	<2.3
Silver	390			
Sodium	NE	160 B	88 B	66 B
Thallium	0.78	<0.54		<0.46
Vanadium	390	42	23 K	68
Zinc	23,000	95	<28	26
Other Metals				
Lithium	160			
Strontium	47,000			
Titanium	140,000			
Cyanide (Total)	NE			
TCLP lead	NE			

Table
Metals Soil Characterization Summary

Sample Identification	USEPA Region 3 Residential RSLs	ESB-7	ESB-8	ESB-8	ESB-8 dup	ESB-10	
Depth (feet)		**4-5**	**5-6**	**5-6**	**5--6**	**4--5**	
Sample Date		**12/13/2006**		**12/7/2006**	**12/7/2006**	**12/6/2006**	
Target Analyte List Metals	**(mg/kg)**						
Aluminum	77,000	5,800 L	6,400	5,600	5,500	5,900	
Antimony	31	<2.3 L	<2.9 L	<2.9 L	<3.1 L	<2.7 L	
Arsenic	0.68	2.9	4.6	3.2	1.6	2.9	
Barium	15,000	23	46 K	45 K	44	45 K	
Beryllium	160	<2.3	<2.9	5.3	<3.1	<2.7	
Cadmium	71	<2.3	56 K	3.1 K	<3.1	<2.7	
Calcium	NE	700 L	7,600	2,000	590	1,900	
Chromium (Total)	NE	34 J	43	51	27	26	
Cobalt	23	9.8	34	29	9.1	9.5	
Copper	3,100	35 L	41	53	10	19	
Iron	55,000	44,000	48,000	39,000	24,000	33,000	
Lead	400	5 L	190 J	42 J	5.3 J	37 J	
Magnesium	NE	380 L	2,300 J	640 J	220 J	450 J	
Manganese	NE	89 K	200 J	79 J	67 J	87 J	
Mercury	11	<0.091	<0.12	<0.12	<0.12	<0.11	
Nickel (soluable salts)	1,500	25	75 K	50 K	17 K	21 K	
Potassium	NE	790 K	1,300 J	990 J	1,200 J	1,200 J	
Selenium	390	<2.3	<2.9	<2.9	<3.1	<2.7	
Silver	390						
Sodium	NE	51 B	81 B	<58	66 B	120 B	
Thallium	0.78		<0.59	<0.58	<0.62	<0.53	
Vanadium	390	96 K	65 J	60 J	22 J	32 J	
Zinc	23,000	41 J	82 K	110 K	<31	70 K	
Other Metals							
Lithium	160	26.3	14.1	9.51		12.6	
Strontium	47,000	38.9 K	83.8	101		81.6	
Titanium	140,000	110 J	150	110		47	
Cyanide (Total)	NE						
TCLP lead	NE						

Table
Metals Soil Characterization Summary

Sample Identification	USEPA Region 3 Residential RSLs	ESB-21	ESB-21	ESB-22	ESB-22	ESB-23	
Depth (feet)		**0-0.5**	**4-5**	**0-0.5**	**4-5**	**0-0.5**	
Sample Date		**12/7/2006**		**12/12/2006**		**12/13/2006**	
Target Analyte List Metals	**(mg/kg)**						
Aluminum	77,000	5,100	6,900	7,300 L	6,900	9,000	
Antimony	31	<2.7	<2.7	<2.5 L	<2.9 L	<2.6 L	
Arsenic	0.68	3	6.5	3.2 J	2.4 J	3.1 J	
Barium	15,000	15	24	25	36	28	
Beryllium	160	<2.7	<2.7	<2.5	3	<2.6	
Cadmium	71	<2.7	<2.7	<2.5	<2.9	<2.6	
Calcium	NE	850	1,600	590 L	<58 L	510 L	
Chromium (Total)	NE	23	37	24 J	25 J	22 J	
Cobalt	23	4	3.4	3	11	4	
Copper	3,100	29	17	9.3 L	26 L	14 L	
Iron	55,000	27,000	21,000	25,000	48,000	14,000	
Lead	400	11	6.4	7.4 L	5.1 L	8.8 L	
Magnesium	NE	530	1,100	230 L	160 L	940 L	
Manganese	NE	45	47	19 K	72 K	57 K	
Mercury	11	<0.11	<0.11	<0.10	<0.12	<0.11	
Nickel (soluable salts)	1,500	7	8	5.5	21	8.9	
Potassium	NE	280	300	620 K	830 K	1,500 K	
Selenium	390	<2.7	<2.7	<2.5	<2.9	<2.6	
Silver	390						
Sodium	NE	<53	<53	180 B	270 B	600 L	
Thallium	0.78	<0.53	<0.53				
Vanadium	390	38	36	39 K	34 K	36 K	
Zinc	23,000	<26	<30	26 K	62 J	<26	
Other Metals							
Lithium	160			7.55	2.99	8.95	
Strontium	47,000			23.3 K	36.5 K	20.8 K	
Titanium	140,000			41 J	88 J	190 J	
Cyanide (Total)	NE						
TCLP lead	NE						

Table
Metals Soil Characterization Summary

Sample Identification	USEPA Region 3 Residential RSLs	ESB-26	ESB-26	ESB-27	ESB-28	ESB-29	ESB-30
Depth (feet)		**0-0.5**	**0-0.5**	**0-0.5**	**0-0.5**	**0-0.5**	**0-0.5**
Sample Date		**12/12/2006**		**12/14/2006**	**12/11/2006**		**12/14/2006**
Target Analyte List Metals	**(mg/kg)**						
Aluminum	77,000	8,100	8,100	18,000 L	3,800	6,400	16,000 L
Antimony	31	<2.7	<2.7	3.6 B	<2.9	<3.1	2.8 B
Arsenic	0.68	3.7	3.7	74	4.4	12	46
Barium	15,000	41	41	54 B	40	56	27 B
Beryllium	160	<2.7	<2.7	<2.5	<2.9	<3.1	<2.7
Cadmium	71	<2.7	<2.7	<2.5	<2.9	3.7	<2.7
Calcium	NE	4,600	4,600	1,700	1,700	4,900	1,500
Chromium (Total)	NE	35	35	35	22	67	26
Cobalt	23	17	17	78	8.6	18	35
Copper	3,100	79	79	15	20	67	13
Iron	55,000	37,000	37,000	31,000	11,000	71,000	24,000
Lead	400	10	10	11	16	45	7.8
Magnesium	NE	360	360	730	280	430	600
Manganese	NE	130	130	850	50	93	240
Mercury	11	<0.11	<0.11	<0.10	<0.12	<0.12	<0.11
Nickel (soluable salts)	1,500	31	31	14 B	11	83	11 B
Potassium	NE	670	670	1,100	1,100	920	940
Selenium	390	<2.7	<2.7	<2.5	<2.9	<3.1	<2.7
Silver	390						
Sodium	NE	83 B	83 B	160 B	190 B	190 B	140 B
Thallium	0.78	<0.54	<0.54	<0.5	<0.58	<0.62	<0.54
Vanadium	390	61	61	140	41	110	79
Zinc	23,000	120	120	<25	<29	66	<27
Other Metals							
Lithium	160			98	6.28	7.4	41.9
Strontium	47,000			132	63.9	64.9	99.9
Titanium	140,000			140	11	240	140
Cyanide (Total)	NE						
TCLP lead	NE						

Table
Metals Soil Characterization Summary

Sample Identification	USEPA Region 3 Residential RSLs	ESB-31	ESB-32	ESB-32	ESB-44
Depth (feet)		**0-0.5**	**0-0.5**	**4-5**	**0-0.5**
Sample Date		**12/11/2006**	**12/13/2006**		**12/26/2006**
Target Analyte List Metals	**(mg/kg)**				
Aluminum	77,000	4,900	7,800 L	6,600 L	5,200
Antimony	31	8.3	<2.6 L	<2.5 L	<2.8 L
Arsenic	0.68	8.4	5.8 J	2.6 J	4.1 J
Barium	15,000	130	25	29	26 K
Beryllium	160	<2.7	<2.6	<2.5	<2.8
Cadmium	71	<2.7	<2.6	<2.5	<2.8
Calcium	NE	2,000	640 L	<50	1,500 J
Chromium (Total)	NE	67	48 J	33 J	23
Cobalt	23	40	6	5.4	3.8
Copper	3,100	100	30 L	11 L	27
Iron	55,000	100,000	49,000	29,000	28,000
Lead	400	380	11 L	6.4 L	7.1 J
Magnesium	NE	390	220 L	150 L	950 K
Manganese	NE	410	82 K	19 K	41
Mercury	11	<0.11	<0.10	<0.10	<0.11
Nickel (soluable salts)	1,500	56	12	8.3	8.4
Potassium	NE	510	390 K	540 K	650 K
Selenium	390	<2.7	<2.6	<2.5	<2.8
Silver	390				
Sodium	NE	150 B	79 B	54 B	190 B
Thallium	0.78	<0.55			<0.56
Vanadium	390	50	65 K	74 K	44
Zinc	23,000	820	<26	<25	<28
Other Metals					
Lithium	160	11.9	3.48	1.6	6.25
Strontium	47,000	62.9	26.6 K	27.3 K	34.4
Titanium	140,000	74	110 J	23 J	66 K
Cyanide (Total)	NE				
TCLP lead	NE				

Table
Metals Soil Characterization Summary

Sample Identification	USEPA Region 3 Residential RSLs	ESB-44	ESB-44 Dup	ESB-45	ESB-46	ESB-49	ESB-49	ESB-50	ESB-51
Depth (feet)		**4-5**	**4-5**	**0-0.5**	**0-0.5**	**0-0.5**	**4-5**	**0-0.5**	**0-0.5**
Sample Date		**12/26/2006**	**12/11/2006**	**12/7/2006**				**12/8/2006**	
Target Analyte List Metals	**(mg/kg)**								
Aluminum	77,000	5,400	5,000	14,000 L	16,000 L	10,000	6,700	5,300	2,900
Antimony	31	<2.7 L	<2.6 L	62	12	<3.2	<2.5	<3	<2.7
Arsenic	0.68	3.9 J	3.8 J	9.2	2.1	7.1	6.2	4.3	2.3
Barium	15,000	22 K	29 K	570	150	51	110	27	26
Beryllium	160	<2.7	<2.6	<2.6	<2.8	<3.2	<2.5	<3	<2.7
Cadmium	71	<2.7	<2.6	18	<2.8	<3.2	2.6	<3	<2.7
Calcium	NE	6,900 J	1,200 J	5,800	4,800	1,100	820	350	250
Chromium (Total)	NE	25	22	58	24	32	22	33	15
Cobalt	23	3.8	4.6	95	12	18	9.5	9.8	4.1
Copper	3,100	22	24	100	14	44	71	33	13
Iron	55,000	27,000	25,000	45,000	11,000	31,000	20,000	52,000	12,000
Lead	400	14 J	7.2 J	1,300	94	60	99	31	260
Magnesium	NE	3,300 K	880 K	1,200	10,000	990	650	200	120
Manganese	NE	46	44	200	250	150	87	110	26
Mercury	11	<0.11	<0.11	<0.10	<0.11	<0.13	<0.10	<0.12	<0.11
Nickel (soluable salts)	1,500	7.2	12	94	17	26	19	19	8.6
Potassium	NE	430 K	680 K	1,400	1,100	690	530	600	300
Selenium	390	<2.7	<2.6	<2.6	<2.8	<3.2	<2.5	<3	<2.7
Silver	390								
Sodium	NE	170 B	190 B	860	1,900	95 B	56 B	<60	<54
Thallium	0.78	<0.53	<0.53	<0.51	<0.55	<0.63	<0.5	<0.6	<0.54
Vanadium	390	49	41	59	34	49	30	76	22
Zinc	23,000	28	27	1,700	210	76	70	44	28
Other Metals									
Lithium	160	4.16	5.85	18.2	60.5	14.2	11.7	6.3	3.48
Strontium	47,000	29.9	34.6	117	38.6	30.3	19.4	36.8	11
Titanium	140,000	71 K	61 K	150	540	110	88	98	48
Cyanide (Total)	NE								
TCLP lead	NE								

Table
Metals Soil Characterization Summary

Sample Identification	USEPA Region 3 Residential RSLs	ESB-54	ESB-54	ESB-54 Dup	ESB-56	ESB-56	ESB-67	ESB-68	ESB-69
Depth (feet)		**0-0.5**	**3-3.5**	**3-3.5**	**0-0.5**	**2-3**	**0-0.5**	**0-0.5**	**0-0.5**
Sample Date		**1/18/2007**					**8/15/2007**		
Target Analyte List Metals	**(mg/kg)**								
Aluminum	77,000	5,700 K	8,100 K	6,200 K	19,000 K	4,300 K			
Antimony	31	<2.5 L	<2.4 L	<3	<2.5 L	<2.2 L	26.6 L	7.89 L	387 L
Arsenic	0.68	3.2 L	7.5 L	1.7 L	7.1 L	3.3 L	4.87 J	4.68 J	13.6 J
Barium	15,000	34 J	130 J	48 J	220 J	66 J			
Beryllium	160	<2.5	<2.4	<3	<2.5	<2.2	<2.35	<2.87	<2.80
Cadmium	71	<2.5	11 J	<3	4.7 J	<2.2	4.09 J	<2.87	50 J
Calcium	NE	810J	2,300 J	1,200 J	4,600 J	750 J			
Chromium (Total)	NE	21 J	34 J	34 J	29 J	12 J	34.2 L	47.7 L	1,640 L
Cobalt	23	4.1 K	12 K	5.3 K	13 K	26 K			
Copper	3,100	17 J	92 J	19 J	38 J	31 J	43.3 J	37.1 J	129 J
Iron	55,000	24,000	30,000	43,000	29,000	14,000			
Lead	400	33 J	210 J	10 J	350 J	62 K	481	137	811
Magnesium	NE	420 J	790 J	290 J	3,000 J	<450			
Manganese	NE	59 J	170 J	26 J	520 J	42			
Mercury	11	<0.099	0.18	<0.12	<0.10	<0.09	<0.094	<0.115	<0.112
Nickel (soluable salts)	1,500	9.4 K	24 K	12 K	22 K	9.9 K	31.9 B	11.6 B	92.5 L
Potassium	NE	390 J	570 J	880 J	1,000 J	310 J			
Selenium	390	<2.5	<2.4	<3	<2.5	<2.2	<2.35	<2.87	5.81
Silver	390								
Sodium	NE	89 L	110 L	<60 L	180 L	56 L			
Thallium	0.78	<0.49	<0.48	<0.6	<0.5	<0.45	<1.88	<2.30	<2.23
Vanadium	390	33	51	42	31	22			
Zinc	23,000	<250	<240	34	320	280	865 J	91.9 J	6,360 J
Other Metals									
Lithium	160								
Strontium	47,000								
Titanium	140,000								
Cyanide (Total)	NE								
TCLP lead	NE								

Table
Metals Soil Characterization Summary

Sample Identification	USEPA Region 3 Residential RSLs	ESB-69 Dup	ESB-70	ESB-71	USB-23
Depth (feet)		**0-0.5**	**0-0.5**	**0-0.5**	**Unknown**
Sample Date		**8/15/2007**	**8/15/2007**	**8/15/2007**	
Target Analyte List Metals	**(mg/kg)**				
Aluminum	77,000				
Antimony	31	105 L	2.35 B	<2.38	
Arsenic	0.68	27.8 J	2.8 J	3.13 J	
Barium	15,000				
Beryllium	160	<2.79	<2.79	<2.38	
Cadmium	71	20.8 J	<2.79	<2.38	
Calcium	NE				
Chromium (Total)	NE	688 L	28.5 L	20.9	
Cobalt	23				
Copper	3,100	157 J	14.6 J	20.6	
Iron	55,000				
Lead	400	602	39.3	15.6	2,900
Magnesium	NE				
Manganese	NE				
Mercury	11	<0.112	<0.112	<0.095	
Nickel (soluable salts)	1,500	84.1 L	7.58 B	8.75 B	
Potassium	NE				
Selenium	390	2.37 J	<2.79	<2.38	
Silver	390				
Sodium	NE				
Thallium	0.78	<2.23	<2.23	<1.9	
Vanadium	390				
Zinc	23,000	15,300 J	65.5 J	83.2 J	
Other Metals					
Lithium	160				
Strontium	47,000				
Titanium	140,000				
Cyanide (Total)	NE				
TCLP lead	NE				

Table
SVOC and PCB Soil Characterization Summary
2014 Sampling

Sample Identification	USEPA Region 3	GTA-SB-1	GTA-SB-1	GTA-SB-2	GTA-SB-2	GTA-SB-3	GTA-SB-3	GTA-SB-4	GTA-SB-4	GTA-SB-5	GTA-SB-5	GTA-SB-6	GTA-SB-6	GTA-SB-7	GTA-SB-7	GTA-SB-8	GTA-SB-8
Depth (feet)	Residential RSLs	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5
Sample Date		11/17/2014															
SVOCs	(mg/kg)																
2,4,5-Trichlorophenol	6,300	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
2,4,6-Trichlorophenol	49	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
2,4-Dichlorophenol	190	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
2,4-Dimethylphenol	1,300	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
2,4-Dinitrophenol	130	<0.36	<0.40	<0.37	<0.39	<0.40	<0.37	<0.39	<0.40	<0.40	<0.41	<0.40	<0.38	<0.39	<0.41	<0.40	<0.41
2,4-Dinitrotoluene	1.7	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
2,6-Dinitrotoluene	0.36	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
2-Chloronaphthalene	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
2-Chlorophenol	390	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
2-Methyl phenol	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
2-Methylnaphthalene	240	<0.18	<0.20	<0.19	0.24	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
2-Nitroaniline	630	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
2-Nitrophenol	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
3&4-Methylphenol	63	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
3,3-Dichlorobenzidine	1.2	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
3-Nitroaniline	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
4,6-Dinitro-2-methyl phenol	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
4-Bromophenylphenyl ether	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
4-Chloro-3-methyl phenol	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
4-Chloroaniline	2.7	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
4-Chlorophenyl Phenyl ether	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
4-Nitroaniline	27	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
4-Nitrophenol	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Acenaphthene	3,600	<0.18	<0.20	<0.19	1.3	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Acenaphthylene	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Acetophenone	7,800	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Anthracene	18,000	<0.18	<0.20	<0.19	2.7	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Atrazine	2.4	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Benzo(a)anthracene	1.1	<0.18	<0.20	<0.19	5.8	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Benzo(a)pyrene	0.11	<0.18	<0.20	<0.19	5	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Benzo(b)fluoranthene	1.1	<0.18	<0.20	<0.19	4.4	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Benzo(g,h,i)perylene	NE	<0.18	<0.20	<0.19	2.5	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Benzo(k)fluoranthene	11	<0.18	<0.20	<0.19	4.6	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Biphenyl (Diphenyl)	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Butyl benzyl phthalate	290	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Caprolactam	31,000	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Carbazole	NE	<0.18	<0.20	<0.19	4.5	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Chrysene	110	<0.18	<0.20	<0.19	5.8	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Di-n-butyl phthalate	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Di-n-octyl phthalate	630	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Dibenz(a,h)Anthracene	0.11	<0.18	<0.20	<0.19	1.1	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Dibenzofuran	73	<0.18	<0.20	<0.19	0.8	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Diethyl phthalate	51,000	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Dimethyl phthalate	7,800	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Fluoranthene	2,400	<0.18	<0.20	<0.19	12	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Fluorene	2,400	<0.18	<0.20	<0.19	1.4	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Hexachlorobenzene	0.21	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Hexachlorobutadiene	1.2	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Hexachlorocyclopentadiene	1.8	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Hexachloroethane	1.8	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Indeno(1,2,3-c,d)Pyrene	1.1	<0.18	<0.20	<0.19	2.6	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Isophorone	570	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
N-Nitrosodi-n-propyl amine	0.078	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
N-Nitrosodiphenylamine	110	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Naphthalene	3.8	<0.18	<0.20	<0.19	0.36	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Nitrobenzene	5.1	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Pentachlorophenol	1	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Phenanthrene	NE	<0.18	<0.20	<0.19	11	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Phenol	19,000	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Pyrene	1,800	<0.18	<0.20	<0.19	11	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
Pyridine	78	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
bis(2-chloroethoxy) methane	190	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
bis(2-chloroethyl) ether	0.23	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
bis(2-chloroisopropyl) ether	NE	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
bis(2-ethylhexyl) phthalate	39	<0.18	<0.20	<0.19	<0.19	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20
PCBs	(mg/kg)																
PCB-1016	4.1																
PCB-1221	0.2																
PCB-1232	0.17																
PCB-1242	0.23																
PCB-1248	0.23																
PCB-1254	0.24																
PCB-1260	0.24																

Table
SVOC and PCB Soil Characterization Summary
2014 Sampling

Sample Identification	USEPA Region 3	GTA-SB-9	GTA-SB-9	GTA-SB-10	GTA-SB-10	GTA-SB-11	GTA-SB-11	GTA-SB-12	GTA-SB-12	GTA-SB-13	GTA-SB-13	GTA-SB-14	GTA-SB-14	GTA-SB-15	GTA-SB-15	GTA-SB-16	GTA-SB-16
Depth (feet)	Residential RSLs	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5
Sample Date		11/17/2014															
SVOCs	(mg/kg)																
2,4,5-Trichlorophenol	6,300	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
2,4,6-Trichlorophenol	49	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
2,4-Dichlorophenol	190	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
2,4-Dimethylphenol	1,300	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
2,4-Dinitrophenol	130	<0.37	<0.38	<0.360	<0.39	<0.40	<0.39	<0.39	<0.39	<0.40	<0.41	<0.40	<0.39	<0.41	<0.41	<0.41	<0.40
2,4-Dinitrotoluene	1.7	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
2,6-Dinitrotoluene	0.36	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
2-Chloronaphthalene	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
2-Chlorophenol	390	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
2-Methyl phenol	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
2-Methylnaphthalene	240	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
2-Nitroaniline	630	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
2-Nitrophenol	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
3&4-Methylphenol	63	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
3,3-Dichlorobenzidine	1.2	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
3-Nitroaniline	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
4,6-Dinitro-2-methyl phenol	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
4-Bromophenylphenyl ether	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
4-Chloro-3-methyl phenol	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
4-Chloroaniline	2.7	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
4-Chlorophenyl Phenyl ether	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
4-Nitroaniline	27	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
4-Nitrophenol	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Acenaphthene	3,600	<0.19	<0.19	<0.180	<0.20	0.32	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Acenaphthylene	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Acetophenone	7,800	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Anthracene	18,000	0.33	<0.19	<0.180	<0.20	0.94	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Atrazine	2.4	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Benzo(a)anthracene	1.1	1.6	0.53	<0.180	<0.20	2.6	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Benzo(a)pyrene	0.11	1.5	0.47	<0.180	<0.20	2.2	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Benzo(b)fluoranthene	1.1	1.5	0.48	<0.180	<0.20	2.4	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Benzo(g,h,i)perylene	NE	0.88	0.26	<0.180	<0.20	1	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Benzo(k)fluoranthene	11	1.1	0.46	<0.180	<0.20	1.8	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Biphenyl (Diphenyl)	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Butyl benzyl phthalate	290	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Caprolactam	31,000	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Carbazole	NE	<0.19	<0.19	<0.180	<0.20	0.33	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Chrysene	110	1.7	0.56	<0.180	<0.20	2.7	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Di-n-butyl phthalate	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Di-n-octyl phthalate	630	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Dibenz(a,h)Anthracene	0.11	<0.19	<0.19	<0.180	<0.20	0.44	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Dibenzofuran	73	<0.19	<0.19	<0.180	<0.20	0.23	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Diethyl phthalate	51,000	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Dimethyl phthalate	7,800	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Fluoranthene	2,400	2.3	0.91	<0.180	<0.20	4.7	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Fluorene	2,400	<0.19	<0.19	<0.180	<0.20	0.41	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Hexachlorobenzene	0.21	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Hexachlorobutadiene	1.2	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Hexachlorocyclopentadiene	1.8	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Hexachloroethane	1.8	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Indeno(1,2,3-c,d)Pyrene	1.1	1.1	0.3	<0.180	<0.20	1.2	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Isophorone	570	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
N-Nitrosodi-n-propyl amine	0.078	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
N-Nitrosodiphenylamine	110	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Naphthalene	3.8	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Nitrobenzene	5.1	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Pentachlorophenol	1	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Phenanthrene	NE	1.4	0.54	<0.180	<0.20	3.3	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Phenol	19,000	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Pyrene	1,800	2.2	0.86	<0.180	<0.20	3.9	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
Pyridine	78	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
bis(2-chloroethoxy) methane	190	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
bis(2-chloroethyl) ether	0.23	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
bis(2-chloroisopropyl) ether	NE	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
bis(2-ethylhexyl) phthalate	39	<0.19	<0.19	<0.180	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20	<0.21	<0.20	<0.19	<0.21	<0.21	<0.21	<0.20
PCBs	(mg/kg)																
PCB-1016	4.1			<0.054	<0.058												<0.060
PCB-1221	0.2			<0.054	<0.058												<0.060
PCB-1232	0.17			<0.054	<0.058												<0.060
PCB-1242	0.23			<0.054	<0.058												<0.060
PCB-1248	0.23			<0.054	<0.058												<0.060
PCB-1254	0.24			<0.054	<0.058												<0.060
PCB-1260	0.24			<0.054	<0.058												<0.060

Table
SVOC and PCB Soil Characterization Summary
2014 Sampling

Sample Identification	USEPA Region 3	GTA-SB-17	GTA-SB-17	GTA-SB-18	GTA-SB-18	GTA-SB-23	GTA-SB-23	GTA-SB-24	GTA-SB-24	GTA-SB-25	GTA-SB-25	GTA-SB-26	GTA-SB-26	GTA-SB-27	GTA-SB-27	GTA-SB-28	GTA-SB-28
Depth (feet)	Residential RSLs	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5	0-2	4-5
Sample Date		11/17/2014				11/18/2014											
SVOCs	(mg/kg)																
2,4,5-Trichlorophenol	6,300	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
2,4,6-Trichlorophenol	49	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
2,4-Dichlorophenol	190	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
2,4-Dimethylphenol	1,300	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
2,4-Dinitrophenol	130	<0.41	<0.39	<0.39	<0.40	<0.37	<0.38	<0.37	<0.39	<0.39	<0.39	<420	<0.39	<430	<0.38	<0.38	<0.38
2,4-Dinitrotoluene	1.7	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
2,6-Dinitrotoluene	0.36	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
2-Chloronaphthalene	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
2-Chlorophenol	390	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
2-Methyl phenol	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
2-Methylnaphthalene	240	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
2-Nitroaniline	630	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
2-Nitrophenol	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
3&4-Methylphenol	63	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
3,3-Dichlorobenzidine	1.2	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
3-Nitroaniline	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
4,6-Dinitro-2-methyl phenol	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
4-Bromophenylphenyl ether	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
4-Chloro-3-methyl phenol	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
4-Chloroaniline	2.7	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
4-Chlorophenyl Phenyl ether	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
4-Nitroaniline	27	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
4-Nitrophenol	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Acenaphthene	3,600	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Acenaphthylene	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Acetophenone	7,800	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Anthracene	18,000	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	0.3
Atrazine	2.4	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Benzo(a)anthracene	1.1	<0.20	<0.20	0.25	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	0.26	<0.22	<0.19	0.24	1.2
Benzo(a)pyrene	0.11	<0.20	<0.20	0.2	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	0.23	<0.22	<0.19	<0.19	1
Benzo(b)fluoranthene	1.1	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	0.21	<0.22	<0.19	<0.19	1
Benzo(g,h,i)perylene	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	0.64
Benzo(k)fluoranthene	11	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	0.22	<0.22	<0.19	0.23	0.9
Biphenyl (Diphenyl)	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Butyl benzyl phthalate	290	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Caprolactam	31,000	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Carbazole	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Chrysene	110	<0.20	<0.20	0.24	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	0.31	<0.22	<0.19	0.29	1.3
Di-n-butyl phthalate	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Di-n-octyl phthalate	630	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Dibenz(a,h)Anthracene	0.11	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	0.27
Dibenzofuran	73	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Diethyl phthalate	51,000	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Dimethyl phthalate	7,800	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Fluoranthene	2,400	<0.20	<0.20	0.52	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	0.48	<0.22	<0.19	0.39	1.7
Fluorene	2,400	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Hexachlorobenzene	0.21	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Hexachlorobutadiene	1.2	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Hexachlorocyclopentadiene	1.8	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Hexachloroethane	1.8	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Indeno(1,2,3-c,d)Pyrene	1.1	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	0.62
Isophorone	570	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
N-Nitrosodi-n-propyl amine	0.078	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
N-Nitrosodiphenylamine	110	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Naphthalene	3.8	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Nitrobenzene	5.1	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Pentachlorophenol	1	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Phenanthrene	NE	<0.20	<0.20	0.58	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	0.45	<0.22	<0.19	0.23	1.3
Phenol	19,000	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
Pyrene	1,800	<0.20	<0.20	0.47	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	0.59	<0.22	<0.19	0.52	2.4
Pyridine	78	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
bis(2-chloroethoxy) methane	190	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
bis(2-chloroethyl) ether	0.23	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
bis(2-chloroisopropyl) ether	NE	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
bis(2-ethylhexyl) phthalate	39	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.19	<0.20	<0.20	<0.20	<0.21	<0.20	<0.22	<0.19	<0.19	<0.19
PCBs	(mg/kg)																
PCB-1016	4.1	<0.059				<0.054	<0.057										
PCB-1221	0.2	<0.059				<0.054	<0.057										
PCB-1232	0.17	<0.059				<0.054	<0.057										
PCB-1242	0.23	<0.059				<0.054	<0.057										
PCB-1248	0.23	<0.059				<0.054	<0.057										
PCB-1254	0.24	<0.059				<0.054	<0.057										
PCB-1260	0.24	<0.059				<0.054	<0.057										

Table
SVOC and PCB Soil Characterization Summary
2014 Sampling

Sample Identification	USEPA Region 3	GTA-SB-29	GTA-SB-30	GTA-SB-31	GTA-SB-32	GTA-SB-33	GTA-SB-34	GTA-SB-35	GTA-SB-36	GTA-SB-37	GTA-SB-38	GTA-SB-39	GTA-SB-40	GTA-SB-41	GTA-SB-42	GTA-SB-43	GTA-SB-44
Depth (feet)	Residential RSLs	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2
Sample Date		11/18/2014															
SVOCs	(mg/kg)																
2,4,5-Trichlorophenol	6,300	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
2,4,6-Trichlorophenol	49	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
2,4-Dichlorophenol	190	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
2,4-Dimethylphenol	1,300	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
2,4-Dinitrophenol	130	<0.41	<0.41	<0.37	<0.41	<2.0	<0.41	<0.38	<0.38	<0.38	<0.36	<0.50	<0.39	<0.39	<0.39	<0.38	<0.38
2,4-Dinitrotoluene	1.7	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
2,6-Dinitrotoluene	0.36	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
2-Chloronaphthalene	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
2-Chlorophenol	390	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
2-Methyl phenol	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
2-Methylnaphthalene	240	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
2-Nitroaniline	630	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
2-Nitrophenol	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
3&4-Methylphenol	63	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
3,3-Dichlorobenzidine	1.2	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
3-Nitroaniline	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
4,6-Dinitro-2-methyl phenol	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
4-Bromophenylphenyl ether	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
4-Chloro-3-methyl phenol	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
4-Chloroaniline	2.7	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
4-Chlorophenyl Phenyl ether	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
4-Nitroaniline	27	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
4-Nitrophenol	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Acenaphthene	3,600	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Acenaphthylene	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Acetophenone	7,800	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Anthracene	18,000	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Atrazine	2.4	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Benzo(a)anthracene	1.1	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Benzo(a)pyrene	0.11	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	0.21	<0.20	<0.19
Benzo(b)fluoranthene	1.1	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Benzo(g,h,i)perylene	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Benzo(k)fluoranthene	11	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	0.2	<0.20	<0.19
Biphenyl (Diphenyl)	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Butyl benzyl phthalate	290	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Caprolactam	31,000	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Carbazole	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Chrysene	110	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	0.21	<0.20	<0.19
Di-n-butyl phthalate	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Di-n-octyl phthalate	630	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Dibenz(a,h)Anthracene	0.11	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Dibenzofuran	73	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Diethyl phthalate	51,000	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Dimethyl phthalate	7,800	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Fluoranthene	2,400	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	0.38	<0.19	<0.19	0.31	<0.20	<0.19
Fluorene	2,400	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Hexachlorobenzene	0.21	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Hexachlorobutadiene	1.2	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Hexachlorocyclopentadiene	1.8	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Hexachloroethane	1.8	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Indeno(1,2,3-c,d)Pyrene	1.1	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Isophorone	570	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
N-Nitrosodi-n-propyl amine	0.078	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
N-Nitrosodiphenylamine	110	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Naphthalene	3.8	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Nitrobenzene	5.1	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Pentachlorophenol	1	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Phenanthrene	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	0.19	<0.20	<0.19
Phenol	19,000	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
Pyrene	1,800	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	0.42	<0.19	<0.19	0.35	<0.20	<0.19
Pyridine	78	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
bis(2-chloroethoxy) methane	190	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
bis(2-chloroethyl) ether	0.23	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
bis(2-chloroisopropyl) ether	NE	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
bis(2-ethylhexyl) phthalate	39	<0.20	<0.20	<0.19	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.18	<0.25	<0.19	<0.19	<0.19	<0.20	<0.19
PCBs	(mg/kg)																
PCB-1016	4.1																
PCB-1221	0.2																
PCB-1232	0.17																
PCB-1242	0.23																
PCB-1248	0.23																
PCB-1254	0.24																
PCB-1260	0.24																

Table
SVOC and PCB Soil Characterization Summary
2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	GTA-SB-45
Depth (feet)		0-2
Sample Date		11/18/2014
SVOCs	(mg/kg)	
2,4,5-Trichlorophenol	6,300	<0.21
2,4,6-Trichlorophenol	49	<0.21
2,4-Dichlorophenol	190	<0.21
2,4-Dimethylphenol	1,300	<0.21
2,4-Dinitrophenol	130	<0.41
2,4-Dinitrotoluene	1.7	<0.21
2,6-Dinitrotoluene	0.36	<0.21
2-Chloronaphthalene	NE	<0.21
2-Chlorophenol	390	<0.21
2-Methyl phenol	NE	<0.21
2-Methylnaphthalene	240	<0.21
2-Nitroaniline	630	<0.21
2-Nitrophenol	NE	<0.21
3&4-Methylphenol	63	<0.21
3,3-Dichlorobenzidine	1.2	<0.21
3-Nitroaniline	NE	<0.21
4,6-Dinitro-2-methyl phenol	NE	<0.21
4-Bromophenylphenyl ether	NE	<0.21
4-Chloro-3-methyl phenol	NE	<0.21
4-Chloroaniline	2.7	<0.21
4-Chlorophenyl Phenyl ether	NE	<0.21
4-Nitroaniline	27	<0.21
4-Nitrophenol	NE	<0.21
Acenaphthene	3,600	<0.21
Acenaphthylene	NE	<0.21
Acetophenone	7,800	<0.21
Anthracene	18,000	<0.21
Atrazine	2.4	<0.21
Benzo(a)anthracene	1.1	<0.21
Benzo(a)pyrene	0.11	<0.21
Benzo(b)fluoranthene	1.1	<0.21
Benzo(g,h,i)perylene	NE	<0.21
Benzo(k)fluoranthene	11	<0.21
Biphenyl (Diphenyl)	NE	<0.21
Butyl benzyl phthalate	290	<0.21
Caprolactam	31,000	<0.21
Carbazole	NE	<0.21
Chrysene	110	<0.21
Di-n-butyl phthalate	NE	<0.21
Di-n-octyl phthalate	630	<0.21
Dibenz(a,h)Anthracene	0.11	<0.21
Dibenzofuran	73	<0.21
Diethyl phthalate	51,000	<0.21
Dimethyl phthalate	7,800	<0.21
Fluoranthene	2,400	<0.21
Fluorene	2,400	<0.21
Hexachlorobenzene	0.21	<0.21
Hexachlorobutadiene	1.2	<0.21
Hexachlorocyclopentadiene	1.8	<0.21
Hexachloroethane	1.8	<0.21
Indeno(1,2,3-c,d)Pyrene	1.1	<0.21
Isophorone	570	<0.21
N-Nitrosodi-n-propyl amine	0.078	<0.21
N-Nitrosodiphenylamine	110	<0.21
Naphthalene	3.8	<0.21
Nitrobenzene	5.1	<0.21
Pentachlorophenol	1	<0.21
Phenanthrene	NE	<0.21
Phenol	19,000	<0.21
Pyrene	1,800	<0.21
Pyridine	78	<0.21
bis(2-chloroethoxy) methane	190	<0.21
bis(2-chloroethyl) ether	0.23	<0.21
bis(2-chloroisopropyl) ether	NE	<0.21
bis(2-ethylhexyl) phthalate	39	<0.21
PCBs	(mg/kg)	
PCB-1016	4.1	
PCB-1221	0.2	
PCB-1232	0.17	
PCB-1242	0.23	
PCB-1248	0.23	
PCB-1254	0.24	
PCB-1260	0.24	

Table
SVOC and PCB Soil Characterization Summary
Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	ESB-2	ESB-2	ESB-6	ESB-6	ESB-7	ESB-8	ESB-8 Dup	ESB-10
Depth (feet)		0-0.5	4-5	0-0.5	4-5	4-5	5-6	5-6	4-5
Sample Date		12/13/2006		12/15/2006		12/13/2006	12/07/2006		12/06/2006
SVOCs	(mg/kg)								
1-1-Biphenyl	NE	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	
2-Methylnaphthalene	240	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Acenaphthene	3,600	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Acenaphthylene	NE	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Anthracene	18,000	< 0.39	< 0.36	< 0.2	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Benzo(a)anthracene	1.1	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Benzo(a)pyrene	0.11	< 0.2	<0.18	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.22
Benzo(b)fluoranthene	1.1	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Benzo(g,h,i)perylene	NE	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Benzo(k)fluoranthene	11	< 0.39	< 0.36	< 0.41	< 0.39	0.043 J	< 0.4	< 0.41	< 0.43
bis(2-chloroisopropyl) ether	NE	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	
bis(2-ethylhexyl) phthalate	39	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	
Carbazole	NE	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	
Chrysene	110	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Dibenz(a,h)Anthracene	0.11	< 0.2	<0.18	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.22
Dibenzofuran	73	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	
Di-n-butyl phthalate	NE	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	
Fluoranthene	2,400	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Fluorene	2,400	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Hexachloroethane	1.8	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	
Indeno(1,2,3-c,d)Pyrene	1.1	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Naphthalene	3.8	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Phenanthrene	NE	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
Pyrene	1,800	< 0.39	< 0.36	< 0.41	< 0.39	< 0.4	< 0.4	< 0.41	< 0.43
PCBs									
PCB-1016	4.1								
PCB-1221	0.2								
PCB-1232	0.17								
PCB-1242	0.23								
PCB-1248	0.23								
PCB-1254	0.24								
PCB-1260	0.24								

Table
SVOC and PCB Soil Characterization Summary
Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	ESB-13	ESB-16	ESB-17	ESB-21	ESB-21	ESB-22	ESB-22	ESB-26
Depth (feet)		4-5	3-4	0-0.5	0-0.5	4-5	0-0.5	4-5	0-0.5
Sample Date		12/06/2006	12/13/2006	12/08/2006	12/07/2006		12/12/2006		12/12/2006
SVOCs	(mg/kg)								
1-1-Biphenyl	NE		< 0.39	< 0.38			< 0.39	< 0.4	
2-Methylnaphthalene	240	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4
Acenaphthene	3,600	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4
Acenaphthylene	NE	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4
Anthracene	18,000	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4
Benzo(a)anthracene	1.1	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4 J
Benzo(a)pyrene	0.11	< 0.2	< 0.2	< 1.9	< 1.9	< 1.9	< 0.2	< 0.2	< 0.2 J
Benzo(b)fluoranthene	1.1	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4 J
Benzo(g,h,i)perylene	NE	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4 J
Benzo(k)fluoranthene	11	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4 J
bis(2-chloroisopropyl) ether	NE		< 0.39	< 0.38			< 0.39	< 0.4	
bis(2-ethylhexyl) phthalate	39		< 0.39	< 0.38			< 0.39	< 0.4	
Carbazole	NE		< 0.39	< 0.38			< 0.39	< 0.4	
Chrysene	110	< 0.4	< 0.4	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4
Dibenz(a,h)Anthracene	0.11	< 0.2	< 0.2	< 0.38	< 1.9	< 1.9	< 0.2	< 0.2	< 0.2 J
Dibenzofuran	73		< 0.39	< 0.38			< 0.39	< 0.4	
Di-n-butyl phthalate	NE		< 0.39	< 0.38			< 0.39	< 0.4	
Fluoranthene	2,400	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4 J
Fluorene	2,400	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4 J
Hexachloroethane	1.8		< 0.39	< 0.38			< 0.39	< 0.4	
Indeno(1,2,3-c,d)Pyrene	1.1	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4
Naphthalene	3.8	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4
Phenanthrene	NE	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4
Pyrene	1,800	< 0.39	< 0.39	< 0.38	< 0.38	< 0.37	< 0.39	< 0.4	< 0.4
PCBs									
PCB-1016	4.1								
PCB-1221	0.2								
PCB-1232	0.17								
PCB-1242	0.23								
PCB-1248	0.23								
PCB-1254	0.24								
PCB-1260	0.24								

Table
SVOC and PCB Soil Characterization Summary
Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	ESB-34	ESB-34	ESB-42B	ESB-44	ESB-44	ESB-45	ESB-46	ESB-47
Depth (feet)		0-0.5	4-5	14-15	0-0.5	4-5	0-0.5	0-0.5	10-11
Sample Date		12/12/2006	12/13/2006		12/12/2006	12/26/2006	12/07/2006		12/08/2006
SVOCs	(mg/kg)								
1-1-Biphenyl	NE	< 0.37	< 0.37		< 0.38	< 0.37	< 0.38	< 0.38	
2-Methylnaphthalene	240	< 0.37	< 0.37	< 0.4	< 0.38	0.370 J	< 0.38	< 0.38	< 0.43
Acenaphthene	3,600	< 0.37	< 0.37	< 0.4	< 0.38	< 0.37	< 0.38	< 0.38	< 0.43
Acenaphthylene	NE	< 0.37	< 0.37	< 0.4	< 0.38	< 0.37	< 0.38	< 0.38	< 0.43
Anthracene	18,000	< 0.37	< 0.37	< 0.4	< 0.38	< 0.37	< 0.38	< 0.38	< 0.22
Benzo(a)anthracene	1.1	< 0.37	< 0.37	< 0.4	< 0.38	< 0.37	0.190 J	< 0.38	< 0.43
Benzo(a)pyrene	0.11	< 0.19	< 0.18	< 0.2	< 0.19	< 0.19	0.23	< 0.19	< 0.22
Benzo(b)fluoranthene	1.1	< 0.37	< 0.37	< 0.4	< 0.38	< 0.37	0.280 J	< 0.38	< 0.43
Benzo(g,h,i)perylene	NE	< 0.37	< 0.37	< 0.4	< 0.38	< 0.37	0.180 J	< 0.38	< 0.43
Benzo(k)fluoranthene	11	< 0.37	< 0.37	< 0.4	< 0.38	< 0.37	0.160 J	< 0.38	< 0.43
bis(2-chloroisopropyl) ether	NE	< 0.37	< 0.37		< 0.38	< 0.37	< 0.38	< 0.38	
bis(2-ethylhexyl) phthalate	39	< 0.37	< 0.37		< 0.38	< 0.37	< 0.38	< 0.38	
Carbazole	NE	< 0.37	< 0.37		< 0.38	< 0.37	< 0.38	< 0.38	
Chrysene	110	< 0.37	< 0.37	< 0.4	< 0.38	< 0.37	0.220 J	< 0.38	< 0.43
Dibenz(a,h)Anthracene	0.11	< 0.19	< 0.18	< 0.2	< 0.19	< 0.19	0.054 J	< 0.19	< 0.22
Dibenzofuran	73	< 0.37	< 0.37		< 0.38	< 0.37	< 0.38	< 0.38	
Di-n-butyl phthalate	NE	< 0.37	< 0.37		< 0.38	< 0.37	< 0.38	< 0.38	
Fluoranthene	2,400	< 0.37	< 0.37	< 0.4	< 0.38	< 0.37	0.330 J	< 0.38	< 0.43
Fluorene	2,400	< 0.37	< 0.37	< 0.4	< 0.38	0.110 J	< 0.38	< 0.38	< 0.43
Hexachloroethane	1.8	< 0.37	< 0.37		< 0.38	< 0.37	1.5	< 0.38	
Indeno(1,2,3-c,d)Pyrene	1.1	< 0.37	< 0.37	< 0.4	< 0.38	< 0.37	0.15 J	< 0.38	< 0.43
Naphthalene	3.8	< 0.37	< 0.37	0.096 J	< 0.38	0.075 J	< 0.38	< 0.38	< 0.43
Phenanthrene	NE	< 0.37	< 0.37	< 0.4	< 0.38	0.220J	0.16 J	< 0.38	< 0.43
Pyrene	1,800	< 0.37	< 0.37	< 0.4	< 0.38	0.051 J	0.39	< 0.38	< 0.43
PCBs									
PCB-1016	4.1								
PCB-1221	0.2								
PCB-1232	0.17								
PCB-1242	0.23								
PCB-1248	0.23								
PCB-1254	0.24								
PCB-1260	0.24								

Table
SVOC and PCB Soil Characterization Summary
Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	ESB-49	ESB-53B	ESB-54	ESB-54	ESB-54 Dup	ESB-56	ESB-56	ESB-57
Depth (feet)		4-5	11-12	0-0.5	3-3.5	3-3.5	0-0.5	2-3	0-0.5
Sample Date		12/07/2006	12/12/2006	01/07/2018				01/18/2007	
SVOCs	(mg/kg)								
1-1-Biphenyl	NE	< 0.39							
2-Methylnaphthalene	240	< 0.39	< 0.38	< 0.37	.070 J	< 0.42	< 0.37	< 0.39	
Acenaphthene	3,600	< 0.39	< 0.38	< 0.37	0.320 J	< 0.42	0.042 J	< 0.39	
Acenaphthylene	NE	< 0.39	< 0.38	< 0.37	<0.410	< 0.42	<0.370	< 0.39 J	
Anthracene	18,000	< 0.39	< 0.19	< 0.37	0.460 J	< 0.42	<0.370	<0.19 J	
Benzo(a)anthracene	1.1	< 0.39	< 0.38	< 0.37 J	1.3 J	< 0.42	0.130 J	< 0.39 J	
Benzo(a)pyrene	0.11	< 0.19	< 0.19	< 0.19 J	1.6 J	0.044 J	0.130 J	<0.19 J	
Benzo(b)fluoranthene	1.1	0.039 J	< 0.38	< 0.37 J	1.4 J	< 0.42	0.110 J	< 0.39 J	
Benzo(g,h,i)perylene	NE	< 0.39	< 0.38	< 0.37 J	1.0 J	< 0.42	0.061 J	< 0.39	
Benzo(k)fluoranthene	11	0.046 J	< 0.38	< 0.37 J	1.3 J	< 0.42	0.130 J	< 0.39	
bis(2-chloroisopropyl) ether	NE	< 0.39						< 0.39 J	
bis(2-ethylhexyl) phthalate	39	< 0.39						< 0.39	
Carbazole	NE	0.048 J						< 0.39 J	
Chrysene	110	< 0.19	< 0.19	< 0.19	1.3 J	< 0.21	0.130 J	< 0.39 J	
Dibenz(a,h)Anthracene	0.11	< 0.19	< 0.19	< 0.19	0.310 J	< 0.21		< 0.39 J	
Dibenzofuran	73	0.075 J						< 0.39	
Di-n-butyl phthalate	NE	< 0.39						< 0.39	
Fluoranthene	2,400	< 0.39			2.3 J	0.066 J	0.270 J	< 0.39	
Fluorene	2,400	< 0.39	< 0.38	< 0.37	0.240 J	< 0.42	<0.370	< 0.39 J	
Hexachloroethane	1.8	< 0.39						< 0.39	
Indeno(1,2,3-c,d)Pyrene	1.1	< 0.39	< 0.38	< 0.37	0.930 J	< 0.42 J	0.060 J	< 0.39	
Naphthalene	3.8	< 0.39	< 0.38	< 0.37	0.240 J	0.042 J	<0.370	< 0.39	
Phenanthrene	NE	0.043 J	< 0.38	< 0.37	1.7 J	0.080 J	0.140 J	< 0.39 J	
Pyrene	1,800	0.074 J	< 0.38	< 0.37	2.0 J		0.260 J		
PCBs									
PCB-1016	4.1								<0.029
PCB-1221	0.2								<0.029
PCB-1232	0.17								<0.029
PCB-1242	0.23								<0.029
PCB-1248	0.23								<0.029
PCB-1254	0.24								<0.029
PCB-1260	0.24								<0.029

Table
SVOC and PCB Soil Characterization Summary
Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	ESB-58	ESB-58 DUP	ESB-94	ESB-95 MS/MSD	ESB-96	ESB-97	ESB-100	ESB-101
Depth (feet)		0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Sample Date		08/07/2007		10/21/2013					
SVOCs	(mg/kg)								
1-1-Biphenyl	NE								
2-Methylnaphthalene	240			<0.039	0.26	<0.0037	<0.0041	0.06	0.14
Acenaphthene	3,600			0.12	0.98	<0.0037	<0.0041	0.43	0.54
Acenaphthylene	NE			<0.039	0.039	<0.0037	<0.0041	0.056	<0.040
Anthracene	18,000			0.25	1.8	<0.0037	0.0073	1.1	0.99
Benzo(a)anthracene	1.1			0.82	3.6	0.0086	0.028	2.8	2
Benzo(a)pyrene	0.11			0.6	2.5	0.0086	0.027	1.8	1.5
Benzo(b)fluoranthene	1.1			0.75	1.7	0.012	0.036	1.7	1.6
Benzo(g,h,i)perylene	NE			0.43	1.3	0.0064	0.016	1.2	1.2
Benzo(k)fluoranthene	11			0.38	1.7	0.0082	0.028	1.4	1.1
bis(2-chloroisopropyl) ether	NE								
bis(2-ethylhexyl) phthalate	39								
Carbazole	NE								
Chrysene	110			0.69	3.1	0.0097	0.031	2.4	1.8
Dibenz(a,h)Anthracene	0.11			0.17	0.61	<0.0037	0.0073	0.54	0.46
Dibenzofuran	73								
Di-n-butyl phthalate	NE								
Fluoranthene	2,400			1.7	8	0.014	0.046	6.5	5.4
Fluorene	2,400			0.12	0.88	<0.0037	<0.0041	0.51	0.63
Hexachloroethane	1.8								
Indeno(1,2,3-c,d)Pyrene	1.1			0.37	1.3	0.006	0.016	1.1	1
Naphthalene	3.8			<0.039	0.98	<0.0037	<0.0041	0.2	0.55
Phenanthrene	NE			1	7.6	0.0041	0.018	4.8	4.7
Pyrene	1,800			1.1	6	0.012	0.045	5.2	4.8
PCBs									
PCB-1016	4.1	<0.028	<0.028						
PCB-1221	0.2	<0.028	<0.028						
PCB-1232	0.17	<0.028	<0.028						
PCB-1242	0.23	<0.028	<0.028						
PCB-1248	0.23	<0.028	<0.028						
PCB-1254	0.24	<0.028	<0.028						
PCB-1260	0.24	<0.028	<0.028						

Table
SVOC and PCB Soil Characterization Summary
Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	ESB-102	USB-14	USB-14	USB-15	USB-15	USB-16	USB-16	USB-17
Depth (feet)		0-0.5	0-1	4-5	0-1	4-5	0-1	4-5	0-1
Sample Date		10/23/2013	09/13/2013						
SVOCs	(mg/kg)								
1-1-Biphenyl	NE								
2-Methylnaphthalene	240	0.4	<0.006	<0.006	<0.005	0.092	<0.005	<0.006	<0.005
Acenaphthene	3,600	0.4	<0.006	<0.006	<0.005	<0.005	<0.005	<0.006	<0.005
Acenaphthylene	NE	0.4	<0.006	<0.006	<0.005	<0.005	<0.005	<0.006	<0.005
Anthracene	18,000	0.4	<0.006	<0.006	<0.005	<0.005	<0.005	<0.006	<0.005
Benzo(a)anthracene	1.1	0.88	0.009	0.033	0.007	0.012	0.006	<0.006	0.005
Benzo(a)pyrene	0.11	0.64	0.008	0.037	0.006	0.013	0.005	<0.006	<0.005
Benzo(b)fluoranthene	1.1	0.8	0.018	0.083	0.015	0.03	0.011	<0.006	0.008
Benzo(g,h,i)perylene	NE	0.48	0.009	0.049	0.006	0.03	<0.005	<0.006	<0.005
Benzo(k)fluoranthene	11	0.44	0.008	0.028	0.007	0.007	<0.005	<0.006	<0.005
bis(2-chloroisopropyl) ether	NE								
bis(2-ethylhexyl) phthalate	39								
Carbazole	NE								
Chrysene	110	0.76	0.011	0.042	0.008	0.025	0.006	<0.006	0.005
Dibenz(a,h)Anthracene	0.11	0.4	<0.006	0.013	<0.005	0.005	<0.005	<0.006	<0.005
Dibenzofuran	73								
Di-n-butyl phthalate	NE								
Fluoranthene	2,400	1.9	0.024	0.044	0.015	0.018	0.012	<0.006	0.011
Fluorene	2,400	0.4	<0.006	<0.006	<0.005	<0.005	<0.005	<0.006	<0.005
Hexachloroethane	1.8								
Indeno(1,2,3-c,d)Pyrene	1.1	0.4	0.008	0.04	0.005	0.016	<0.005	<0.006	<0.005
Naphthalene	3.8	0.4	<0.006	<0.006	<0.005	0.059	<0.005	<0.006	<0.005
Phenanthrene	NE	0.96	0.015	0.02	0.007	0.051	0.007	<0.006	<0.005
Pyrene	1,800	1.4	0.021	0.039	0.015	0.023	0.012	<0.006	0.011
PCBs									
PCB-1016	4.1								
PCB-1221	0.2								
PCB-1232	0.17								
PCB-1242	0.23								
PCB-1248	0.23								
PCB-1254	0.24								
PCB-1260	0.24								

Table
SVOC and PCB Soil Characterization Summary
Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	USB-17	USB-18	USB-18	USB-19	USB-19	USB-20	USB-20	USB-21
Depth (feet)		4-5	0-1	4-5	0-1	4-5	0-1	4-5	0-1
Sample Date		09/13/2013							
SVOCs	(mg/kg)								
1-1-Biphenyl	NE								
2-Methylnaphthalene	240	0.028	0.016	0.025	0.056	0.01	<0.005	0.01	0.024
Acenaphthene	3,600	0.015	<0.006	0.025	0.056	<0.006	<0.005	0.01	0.024
Acenaphthylene	NE	0.15	0.006	0.011	0.025	<0.006	<0.005	0.01	0.007
Anthracene	18,000	0.12	0.015	0.084	0.2	0.013	<0.005	0.026	0.083
Benzo(a)anthracene	1.1	0.42	0.07	0.26	0.6	0.049	0.007	0.1	0.26
Benzo(a)pyrene	0.11	0.41	0.07	0.26	0.64	0.065	0.007	0.01	0.25
Benzo(b)fluoranthene	1.1	0.66	0.14	0.39	1.1	0.12	0.012	0.02	0.39
Benzo(g,h,i)perylene	NE	0.19	0.058	0.12	0.24	0.075	0.005	0.038	0.1
Benzo(k)fluoranthene	11	0.21	0.043	0.12	0.37	0.04	<0.005	0.063	0.13
bis(2-chloroisopropyl) ether	NE								
bis(2-ethylhexyl) phthalate	39								
Carbazole	NE								
Chrysene	110	0.43	0.091	0.3	0.67	0.086	0.008	0.17	0.26
Dibenz(a,h)Anthracene	0.11	0.054	0.015	0.034	0.07	0.016	<0.005	0.012	0.032
Dibenzofuran	73								
Di-n-butyl phthalate	NE		0.15	0.61	1.3	0.11	0.013	0.27	0.6
Fluoranthene	2,400	0.98	<0.006	0.029	0.065	0.006	<0.005	0.011	0.024
Fluorene	2,400	0.18							
Hexachloroethane	1.8		0.051	0.11	0.21	0.055	<0.005	0.038	0.098
Indeno(1,2,3-c,d)Pyrene	1.1	0.18	0.016	0.032	0.17	0.01	<0.005	0.051	0.006
Naphthalene	3.8	0.03	0.012	0.036	0.12	0.012	<0.005	0.056	0.009
Phenanthrene	NE	0.55	0.072	0.45	0.97	0.054	<0.005	0.21	0.34
Pyrene	1,800	0.82	0.15	0.62	1.2	0.11	0.013	0.23	0.54
PCBs									
PCB-1016	4.1								
PCB-1221	0.2								
PCB-1232	0.17								
PCB-1242	0.23								
PCB-1248	0.23								
PCB-1254	0.24								
PCB-1260	0.24								

Table
SVOC and PCB Soil Characterization Summary
Pre-2014 Sampling

Sample Identification	USEPA Region 3 Residential RSLs	USB-21	USB-22	USB-22
Depth (feet)		4-5	0-1	4-5
Sample Date		09/13/2013		
SVOCs	(mg/kg)			
1-1-Biphenyl	NE			
2-Methylnaphthalene	240	<0.006	<0.005	<0.005
Acenaphthene	3,600	<0.006	<0.005	<0.005
Acenaphthylene	NE	<0.006	<0.005	<0.005
Anthracene	18,000	<0.006	<0.005	<0.005
Benzo(a)anthracene	1.1	0.01	<0.005	<0.005
Benzo(a)pyrene	0.11	0.01	<0.005	<0.005
Benzo(b)fluoranthene	1.1	0.012	<0.005	<0.005
Benzo(g,h,i)perylene	NE	0.006	<0.005	<0.005
Benzo(k)fluoranthene	11	0.08	<0.005	<0.005
bis(2-chloroisopropyl) ether	NE			
bis(2-ethylhexyl) phthalate	39			
Carbazole	NE			
Chrysene	110	0.01	<0.005	<0.005
Dibenz(a,h)Anthracene	0.11	<0.006	<0.005	<0.005
Dibenzofuran	73			
Di-n-butyl phthalate	NE	0.023	<0.005	<0.005
Fluoranthene	2,400	<0.006	<0.005	<0.005
Fluorene	2,400			
Hexachloroethane	1.8	<0.006	<0.005	<0.005
Indeno(1,2,3-c,d)Pyrene	1.1	<0.006	<0.005	<0.005
Naphthalene	3.8	<0.006	<0.005	<0.005
Phenanthrene	NE	0.017	<0.005	<0.005
Pyrene	1,800	0.022	<0.005	<0.005
PCBs				
PCB-1016	4.1			
PCB-1221	0.2			
PCB-1232	0.17			
PCB-1242	0.23			
PCB-1248	0.23			
PCB-1254	0.24			
PCB-1260	0.24			