REMEDIAL INVESTIGATION REPORT

QUEEN CITY LOFTS

178-182 Main Street, 11 South Bridge Street and a portion of 15 South Bridge Street Poughkeepsie, New York

NYSDEC BCP SITE: C314125

NYSDEC SPILL NUMBERS: 15-02657 and 15-11940

December 2016

ESI File: KP15045.50

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I, Paul H. Ciminello, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved Work Plan and any DER-approved modifications.

Paul H. Ciminello
President

TABLE OF CONTENTS

APPENDICES

1.0 INTRODUCTION

1.1 Purpose

This Remedial Investigation Report (RIR) summarizes environmental investigation services performed by Ecosystems Strategies, Inc. (ESI) at the Queen City Lofts property located at 178-182 Main Street, 11 South Bridge Street and a portion of 15 South Bridge Street, Poughkeepsie, New York (the "Site").

The investigative work was performed to document the extent of known contamination resulting from former residential and commercial uses of the property. All investigations were conducted consistent with the NYSDEC approved Remedial Investigation Work Plan (RIWP, August 2016). Any variations from the approved RIWP are described in Section 3.1.8. This RIR summarizes data from previous environmental investigations performed by ESI (see Section 2.3), details fieldwork methodologies and sample collection procedures employed during implementation of the RIWP (Remedial Investigation [RI]), documents laboratory analysis of samples collected in all media (soil, vapor and groundwater), and provides conclusions and recommendations based on the fieldwork and analytical data.

1.2 Limitations

This written analysis is an assessment of the Queen City Lofts Site located at 178-182 Main Street, 11 South Bridge Street and a portion of 15 South Bridge Street, Poughkeepsie, New York and is not relevant to any other property. It is a representation of those portions of the property analyzed as of the respective dates of the fieldwork.

Services summarized in this RIR were performed in accordance with the approved RIWP and in general conformance with NYSDEC Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10), dated May 2010. Unless specifically noted, the findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on professional judgment.

1.3 Objectives

ESI conducted an environmental investigation at the Site in order to:

- Characterize on-site soil, soil vapor and groundwater quality. Soil and groundwater samples were analyzed for volatile organic compounds (VOCs) plus tentatively identified compounds (TICs), semi-volatile organic compounds (SVOCs) plus TICs, Target Analyte List (TAL) metals, pesticides and polychlorinated biphenyls (PCBs) in accordance with the RIWP. Laboratory reports for organic compounds included all Target Compound List (TCL) analytes, as per DER-10 requirements.
- Determine the impacts from historical Site uses and the nature and extent of contamination in soil, groundwater and soil vapor.
- Obtain information to sufficiently define Site conditions such that a qualitative exposure assessment can be performed and an appropriate remedial action be selected.

2.0 SITE DESCRIPTION

2.1 Site Location and Description

The Site is located in the City of Poughkeepsie and consists of four contiguous parcels identified as Section 6062, Block 76, Lots 942131 (Lot “131”) & 945130 (Lot “130”), and Block 84, Lot 941122 (Lot “122”) and a portion of Lot 943116 (Lot “116”). All parcels, with the exception of Lot 116, are vacant land. The Site is located in an urban area comprised primarily of multi-family, institutional, and commercial properties. A Site Location Map, indicating the BCP Site boundary, is provided as Figure 1 (all RIR figures are provided in Appendix A).

Lot 131 (178 Main Street) is 0.46 acres and is bounded by Main Street to the north, a multi-family residential property to the east, vacant land (Lot 122) and a vacant commercial property to the south, and South Bridge Street to the west. Lot 131 (182 Main Street) is 0.04 acres and is bounded by Main Street to the north and vacant land (Lot 131) to the east, south and west. Lot 122 (11 South Bridge Street) is 0.11 acres and is bounded by vacant land (Lot 131) to the north and east, a vacant commercial property to the south and southeast, and South Bridge Street to the west. Lot 116 (15 South Bridge Street) contains a 0.15-acre portion within the BCP boundary that is developed with a vacant commercial building, containing a former garage. This Lot is bounded by vacant land (Lots 122 and 131) to the north, a multi-family residential property

to the east, one single-family and one multi-family residential property to the south, and South Bridge Street to the west. Adjoining and area-wide land uses in the vicinity of the Site are shown on Figure 2.

2.2 Physical Setting

2.2.1 Site Topography

The Site gently slopes downward from northeast to southwest, with elevations of approximately 135 to 120 feet above mean sea level (msl) at the eastern and western boundaries, respectively. The surrounding area is a well-developed urban setting, where filling and grading is likely to have occurred. Overall downward slopes are to the west, toward the Hudson River.

2.2.2 Site Geology

A review of the Geologic Map of New York and the Surficial Geologic Map of New York (lower Hudson sheets) indicates that Site soils are likely to be derived from glacial till deposits, overlying the Austin Glen Formation, which consists of greywacke and shale. USDA NRCS Soil Survey maps of Dutchess County indicate the likely presence of Udorthents (areas of disturbed soils where the upper soil material has been removed, filled or graded).

Subsurface soils exposed during the extension of test pits (see Section 2.3) at the Site (excluding Lot 116) consisted of variable-texture sands with debris materials, overlying loamy clay. No bedrock was observed during the extension of test pits (maximum depth 12 feet below surface grade [bsg]).

Subsurface soils exposed during the extension of soil borings generally consisted unconsolidated fill (variable texture sand and gravel, with masonry and other debris materials) from surface grade to approximately 8 to 14 feet at the northern and northwestern portions of the Site (along Main Street and South Bridge Street) and from surface grade to approximately 3 to 6 feet at all other portions of the Site. Fill materials are underlain by native materials (clay, with some sandy, silty or loamy clay near the bottom of the fill interval) to a maximum depth of 32 feet bsg.

Test pit and soil boring locations are shown on Figure 3. A geological cross-section of the Site (based on existing soil boring data) is provided as Figure 4. Soil boring methodology and observations are described in Section 3.3, and soil boring logs from the RI are presented in Appendix C.

2.2.3 Site Subsurface Hydrogeology

Saturated soil and groundwater were encountered between 10 and 12 feet bsg in several test pits. Saturated soil and groundwater were encountered in soil borings at the northeastern portion of the Site from 12 to 14 feet bsg and at 9 to 11 feet bsg throughout all other portions of the Site. Gauging data recorded during the RI document groundwater depths (from well casings) ranging from approximately 6 to 12 feet, corresponding to groundwater elevations of approximately 5 to 10.5 feet. Groundwater flow, based on static depth to water (as measured at all six permanent on-site monitoring wells in December 2016), has been inferred to generally be toward the southwest.

2.3 Site History and Previous Environmental Investigations

Previous environmental site investigations by ESI are summarized in the following environmental investigation reports submitted to NYSDEC in support of the application to the BCP:

- Combined Phase I and Phase II Environmental Site Assessment (June 2015) prepared for 178-182 Main Street and 11 South Bridge Street (Lots 131, 130 and 122); and,
- Summary Report of Environmental Investigation (March 2016) prepared for 15 South Bridge Street (Lot 116).

All fieldwork observations and soil, groundwater and soil vapor data generated during ESI's earlier investigative work (see below) has been incorporated into the text and appendices of this RIR (text and relevant supporting documentation from the previous Phase I investigation is provided as Appendix D).

General Site History

The northern portion of the Site (178-182 Main Street and 11 South Bridge Street) contained residential and commercial buildings from at least the 1800s until the early to mid-1980s. Commercial uses included a greenhouse, laundry facility and a manufacturing operation with a machine shop. The southern portion of the Site (eastern half of 15 South Bridge Street) was historically developed with outbuildings associated with coal and lumber storage, and was most recently used as a taxi facility.

Investigations at 178-182 Main Street and 11 South Bridge Street

ESI extended thirteen test pits (TP-01 to TP-13) to a maximum depth of approximately 12 feet bsg to document subsurface conditions. Fill and buried debris (metal, masonry and building materials) was observed in 10 locations at depths ranging from near the surface to approximately 9 feet bsg (fill and debris was not present at the eastern-central portion of the Site, which adjoins the 15 South Bridge Street property to the north). Groundwater was encountered between 10 and 12 feet bsg at the northeastern portion of the Site.

Metal, SVOC and/or pesticide contamination was documented in 7 of 9 soil samples with the greatest impacts at the western and northern-central portions of the Site. No evidence of tanks, drums, or hazardous materials was noted during the extension of test pits; overt field evidence of petroleum contamination (including petroleum odors and staining), however, was observed at the northeastern portion of the Site (test pits TP-03 and TP-05 at 6 to 8 feet, and TP-06 at 6 to 12 feet) and spill number 1502657 was reported for 178 Main Street.

Investigations at 15 South Bridge Street

A regulatory review performed as part of the Phase I investigation identified the property as a former hazardous waste generator, the location of several previously closed spill events and a petroleum bulk storage (PBS) facility (IDs: 3-185086 and 3-601912) with an 8,000-gallon gasoline underground storage tank (UST) and a closed 275-gallon waste oil aboveground storage tank (AST). The status of the gasoline tank is unknown. ESI has knowledge that this property was used as a taxi facility and that remedial activities, including installation of a vapor extraction system (VES) at the central portion of the property, were previously performed to address earlier spill events.

ESI extended six mechanized soil borings (SB-01 to SB-06) and completed three borings as temporary monitoring wells (TMW-01 to TMW-03). [Note: Borings SB-04, SB-05, and SB-06/TMW-03) were located on the property west of the current BCP boundary.] Spill number 1511940 was reported based on field evidence of petroleum contamination observed in soil and groundwater the vicinity of the garage (no free-phase petroleum was noted) and laboratory data indicating a high peak concentration of total tentatively identified compounds (TICs) related to gasoline compounds in soil and elevated levels of several volatile petroleum compounds in groundwater at TMW-01 (peak concentration of ethylbenzene at 16 µg/L). This petroleum

contamination is likely to be associated with a release that had previously been subject to remediation activities.

Three sub-slab soil vapor samples (SV-01 to SV-03) were collected from beneath the garage at the on-site building. A relatively elevated level of the chlorinated solvent tetrachloroethene (PCE, peak concentration 210 µg/m^3) was detected at the southeastern portion of the garage; PCE, however, was not detected in soil or groundwater samples.

2.4 Proposed Future Use of the Site

Development plans for the Site include the construction of a four-story mixed-use building located along the northern and western portions of the Site and paved parking lots with peripheral landscaping at remaining areas. The current vacant commercial building will be demolished. A full cellar (accessed by a ramp at the southern exterior portion of the building) will contain additional parking spaces, and laundry and utility rooms. The first floor will contain approximately 12,000 square-feet of commercial space. The upper levels will contain 70 dwelling units (100% affordable housing). Based on documented environmental conditions and likely remedial response actions, the owners expect to manage the completed development project as a Track 4, Restricted-Residential Use property.

3.0 SITE INVESTIGATION

ESI extended a total of twenty-one (21) borings during performance of the RI, with an additional eight (8) borings extended solely for the collection of soil vapor. Permanent groundwater monitoring wells were installed at six (6) of the soil boring locations. The RI findings are supplemented by data collected from the extension of thirteen (13) test pits and six (6) soil borings during the Phase II site assessment and subsequent supplemental investigation, including three (3) borings which were converted to temporary groundwater monitoring wells, and by three (3) borings extended to collect soil vapor. Two of the newly installed permanent wells (MW-01 and MW-02) served as replacements for temporary wells (TMW-01 and TMW-02). All media sampling locations are shown on Figure 3, Sampling Location Map.

Fieldwork activities, laboratory submission and a qualitative human health exposure analysis are presented below. Analytical results from a total of 65 samples (44 RI samples and 21 samples from earlier Phase II and supplemental fieldwork) are provided in Tables 1 to 13 and a

summary of sample collection and submission to the laboratory is provided in Table 13 (all RIR tables are provided in Appendix B). Soil boring logs and well construction details are presented in Appendix C.

3.1 General Provisions

3.1.1 Utility Markout and Identification of Subsurface Structures

Prior to the initiation of fieldwork (and prior to any subsequent intrusive fieldwork), a request for a complete utility markout of the subject property was submitted by ESI as required by New York State Department of Labor regulations. Confirmation of underground utility locations was secured and a field check of the utility markout was conducted prior to the extension of soil borings and/or the installation of monitoring wells.

A ground penetrating radar (GPR) survey of the work area was performed by Underground Surveying, LLC on February 18, 2016, in order to determine the location of any other sub-surface utilities. A GPR anomaly (consistent with a backfilled area) was identified at the southern portion of Lot 116 at the reported location of the former VES. Subsurface piping was identified between this area and aboveground VES piping near the western exterior portion of the garage. No definitive evidence of USTs was identified during the geophysical survey.

3.1.2 Agency Notification

The NYSDEC was notified via email prior to the initiation of fieldwork for the RI.

3.1.3 Equipment Decontamination and Calibration

Prior to the initiation of fieldwork, all field equipment used during the work was properly decontaminated in accordance with NYSDEC guidelines, and all field instruments were properly calibrated in accordance with procedures set forth by the equipment manufacturer(s).

A photo-ionization detector (PID) was utilized by ESI personnel to screen all encountered material for the presence of any volatile organic vapors where appropriate. Prior to the initiation of fieldwork, this PID was properly calibrated to read parts per million calibration vapor equivalents (ppm-cge) of isobutylene in accordance with protocols set forth by the equipment manufacturer.

3.1.4 Investigation Derived Waste

Surplus soil recovered during soil sampling was backfilled within the originating borehole (to no closer than 12-inches of the surface). All grossly contaminated material was directly placed into laboratory-supplied glassware and transported to the laboratory for chemical analyses. Water generated during development and sampling of wells was placed into an approved container pending final off-site disposal. Discarded personal protective equipment and other fieldwork supplies were disposed as municipal solid waste.

3.1.5 Subcontractors

ESI supervised the completion of test pits by Karl Mannain & Sons Excavators (Mannain), and extension of soil borings and installation of monitoring wells by Core Down Drilling (CDD). The Health and Safety Plan (HASP) prepared for the RIWP was reviewed with all on-site subcontractors. ESI personnel served as the Site Health and Safety officer during all on-site work. ESI personnel developed all monitoring wells and collected all soil, soil vapor and groundwater samples.

Laboratory services were subcontracted to York Analytical Laboratories, Inc., a New York State Department of Health (NYSDOH) certified laboratory (ELAP Certification Number 10602). Data Usability Summary services were provided by ZDataReports of Syracuse, New York.

3.1.6 Fieldwork Observations, Sample Collection and Sample Custody

An assessment of field conditions (e.g., soil type, indications of contamination, PID readings) was made during the collection of all samples. ESI personnel maintained field logs documenting all field observations and measurements (see soil boring logs in Appendix C).

All media samples were collected in a manner consistent with NYSDEC and NYSDOH sample collection protocols. Dedicated, disposable gloves were worn by all personnel handling samples, and collected media was placed into laboratory-supplied containers. All soil and groundwater sample containers were maintained at cold temperature (≤ 4° C) prior to, and during, transport to the laboratory for analytical testing. Appropriate chain-of-custody procedures were followed.

Non-dedicated sampling equipment was decontaminated prior to initiation of fieldwork and before each new sample location, as appropriate.

3.1.7 Standards, Criteria and Guidance

Standards, Criteria and Guidance (SCGs) applicable to media investigated during the RI are specified below.

Soil

SCGs for all compounds detected in soils are based on NYSDEC Remedial Program SCOs for Restricted-Residential Use (RRUSCOs) as provided in 6 NYCRR Subpart 375, Table 375-6.8(b) "Protection of Public Health" category, and on Soil Cleanup Levels (for gasoline and fuel oil contaminated Soils) presented in NYSDEC CP-51 Tables 2 and 3. Data summary tables for soil also provide SCOs for Unrestricted Use (UUSCOs) for comparative purposes. SCOs for soils are referenced in units of milligrams per kilogram (mg/kg, parts per million [ppm]).

Water

SCGs for all compounds detected in water are based on Ambient Water Quality Standards and Guidance Values (AWQS) presented in NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1). SCGs for groundwater are referenced in units of micrograms per liter (µg/L, nominal parts per billion [ppb]).

Soil Vapor

The State of New York does not have any standards, criteria or guidance values for volatile chemicals in subsurface vapors (either soil vapor or sub-slab vapor). Relatively high levels of VOCs in subsurface soil vapor are noted in the report text and in data summary tables in order to facilitate a discussion of investigative findings. The NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (GESVI, October 2006) identifies several Air Guideline Values to be used in evaluating indoor air quality, which may be used in conjunction with sub-slab soil vapor data when evaluating the potential for soil vapor intrusion within buildings.

3.1.8 Documented Deviations from the Approved RIWP

There were no significant deviations from the RIWP that were critical to the validity of the conclusions and recommendations presented in Section 4.0.

3.1.9 CAMP Findings

Air monitoring was conducted for VOCs during all RI ground-intrusive fieldwork activities, in accordance with the CAMP. No significant VOC readings or exceedances were observed. No significant dust was generated during soil boring activities.

3.2 Soil Vapor Investigation

A soil vapor survey was completed to determine the level of VOCs in the soil vadose zone. Sub-slab soil vapor was collected at 3 locations during previous investigations (SV-01 to SV-03 in February 2016) and 8 locations during the RI (2SV-01 to 2SV-08 in October/November 2016). All soil vapor sampling locations are shown on Figure 3, Sampling Location Map, and a summary of sample collection and laboratory submission is provided in Table 13.

3.2.1 Sample Collection Methodology – Soil Vapor

Sub-slab soil vapor sampling was conducted at locations beneath the garage slab and at exterior maintained yard areas of the Site. The slab was breached using a mechanized Geoprobe to create a narrow diameter void approximately 18 inches deep within the sub-base materials. Exterior sampling points were created using a mechanized Geoprobe to extend borings to approximate depths of 6 to 13 feet bsg at areas outside and within the footprint of the proposed building, respectively.

Sampling methodology was consistent with the approved RIWP. The end of the sample tubing (0.188-inch inner diameter Teflon) was attached to an “air stone” filter and placed immediately above the bottom of the boring and surrounded with clean silica sand, and remaining portions of the boreholes were sealed with hydrated bentonite clay to prevent the infiltration of surface air.

The space around the sampling point was enclosed and sealed (with a metal hemisphere and clay) in order to introduce a tracer gas (helium) into the area surrounding the probe point. Helium was introduced into the enclosure and a helium detector (Radiodetection Multi-vapor Leak Locator, model MDG 2002) was utilized to determine when the interior atmosphere reached a concentration of 80%. A vacuum pump was then utilized to purge the standing air from the tubing and open the soil interval. At least three borehole and tubing volumes were purged prior to sample collection at a rate not exceeding 0.2 liters per minute. Following purging, sub-slab soil vapor samples were collected over a two-hour period using a six-liter stainless steel, laboratory supplied Summa canister with a two-hour calibrated flow controller.

For each sampling canister, the pre- and post-sample canister pressure, start and stop times, and location of each sampling point was recorded.

3.2.2 Fieldwork Observations – Soil Vapor

The garage slab consisted of approximately 4 inches of concrete in good condition, which allowed for the proper installation of sampling points at the planned interior locations. An elevated PID reading (51.2 ppm) was noted at sampling point SV-08. No significant PID readings, odors or other evidence of contamination were noted at any other locations during soil vapor sampling.

3.2.3 Laboratory Results – Soil Vapor

All soil vapor samples were analyzed for VOCs (USEPA Method TO-15). Soil vapor sampling locations and detections of specific compounds found at elevated concentrations (see below) are shown on Figure 5, soil vapor data are summarized in Table 1 and laboratory reports are provided in Appendix F.

Significant VOC concentrations are limited to PCE detected beneath the eastern portion of the garage at SV-02 (210 µg/m^3) and 2SV-08 (38 µg/m^3). A low level of PCE was detected at SV-01 (19 µg/m^3) and trace concentrations were detected at 2SV-01, 2SV-02 and 2SV-07 (peak concentration of 0.47 µg/m^3). A low level of trichloroethylene (TCE) was detected at 2SV-08 (2.4 µg/m^3). Trace to low levels of multiple other compounds (BTEX and other petroleum constituents, solvents, etc.) were detected at all sampling points.

3.2.4 Nature and Extent of Contamination – Soil Vapor

Soil vapor contamination by PCE appears to be spatially restricted to the southeastern corner of the Site. PCE is present at levels indicating a potential for soil vapor intrusion, should new buildings be constructed at this portion of the Site (current plans call for only paved parking in this area). Vapor levels, however, are not consistent with the presence of a significant source area (PCE was not detected in soil samples and was reported at only a trace concentration in one monitoring well – see Sections 3.3 and 3.4). Trace to low-levels of other VOCs detected in soil vapor are consistent with levels typically encountered in urban settings and are likely due to the historical commercial use of this or other nearby sites, or the presence of fill materials.

3.3 Soil Investigation

Soil conditions were investigated in accordance with the RIWP by advancing borings at the Site. A total of 21 mechanized borings (6 converted to monitoring wells) were extended during the RI, supplementing previous investigative work, which included the completion of 13 test pits and the extension of 6 mechanized borings. All boring and test pit locations are shown on Figure 3, Sampling Location Map, and a summary of sample collection and laboratory submission is provided in Table 13.

Fieldwork observations were recorded, and at least one soil sample was collected, at each boring location during the RI.

3.3.1 Sample Collection Methodology

All soil borings were extended by personnel from CDD using a track-mounted Geoprobe direct-push corer (equipped with disposable acetate sleeves to prevent sample cross contamination). Test pits were extended to maximum depths of 12 feet bsg and soil borings were extended to depths ranging from 16 to 32 feet bsg, based on the presence of saturated soils or obvious undisturbed native materials, or refusal.

Sampling criteria at borings was based on the presence of saturated material at the soil/groundwater interface, intervals exhibiting the most significant field indications of contamination or likely to contain sources of contamination, or from non-impacted soils to establish vertical delineation. Material was removed directly from the disposable acetate sleeves of the Geoprobe. Sampling at test pits was from exposed soil horizons likely to contain or be otherwise impacted by fill materials. Field personnel wore dedicated disposable gloves and placed samples directly into laboratory-supplied glassware using disposable equipment. Samples were maintained at cold temperatures, under proper chain of custody procedures. Prior to and after the collection of each material sample, any dedicated sample collection instruments (i.e., Geoprobe coring barrel) was decontaminated to avoid cross-contamination between samples.

All soil sampling for VOCs was conducted according to USEPA Method 5035 fieldwork protocols, utilizing laboratory sampling kits (disposable plastic syringes and prepared 40-ml glass vials).

3.3.2 Fieldwork Observations

Subsurface soils encountered at soil borings extended at the northern portions of Lots 130 and 131 (along Main Street) consisted of unconsolidated fill (variable texture sand and gravel, with brick and concrete fragments) from surface grade to approximately 12 to 14 feet. Soils encountered at borings extended at the northwestern portion at Lot 131 (along South Bridge Street) consisted of similar unconsolidated fill materials as well as metallic and wood debris. Soils encountered in borings extended at the southernmost portions of Lots 130 and 131, and at Lot 116, generally consisted of fine texture sands and gravel with brick and concrete fragments from surface grade to 3 to 6 feet. All fill materials are underlain by native material consisting of clays to a maximum depth of 32 feet bsg.

Soil exhibiting field evidence of contamination (PID readings, staining, and/or odors) was generally observed at borings extended at exterior portions of Lot 116 at depths ranging from approximately 4 to 12 feet bsg with strong petroleum odors, evidence of deeper contamination (up to 20 feet bsg), and peak PID readings (5,000 ppm) observed at 2SB-01. Field evidence of contamination was observed at borings extended at interior portions of Lot 116 at depths ranging from the base of the floor slab to 12 feet bsg with mild to moderate chemical odors at 2SB-06 and 2SB-07 and peak PID readings (102 ppm) observed at 2SB-07. No overt evidence of petroleum or chemical contamination was noted at any other locations, including borings extended along the northern (upgradient) margins of the Site.

Soil boring logs, documenting subsurface conditions and all fieldwork observations, are presented in Appendix C.

Subsurface soils exposed during the extension of soil borings generally consisted unconsolidated fill (variable texture sand and gravel, with masonry and other debris materials) from surface grade to approximately 8 to 14 feet at the northern and northwestern portions of the Site (along Main Street and South Bridge Street) and from surface grade to approximately 3 to 6 feet at all other portions of the Site. Fill materials are underlain by native materials (sorted clays) to a maximum depth of 32 feet bsg.

3.3.3 Laboratory Results – Soil

A total of 45 soil samples (30 RI samples and 15 samples from previous investigations) collected from 27 soil borings and 13 test pits were submitted for laboratory analysis. All RI samples were analyzed for TCL VOCs and SVOCs (plus TICs) utilizing USEPA Methods 8260/8270, TAL metals utilizing USEPA Methods 6010 and 7471, and pesticides/PCBs utilizing USEPA Methods 8081/8082, in accordance with the RIWP. Samples collected during the previous investigations were analyzed for VOCs, SVOCs, TAL metals and/or pesticides and PCBs, using the above USEPA methods (SVOC analysis of boring samples collected at the garage Spill area was limited to PAHs, and TICs were reported only for a subset of the VOC and SVOC analyses).

Soil sampling locations and detections of compounds in soil at concentrations above UUSCOs are shown on Figures 6 to 9, soil data are summarized in Tables 2 to 7 and laboratory submission of samples is summarized in Table 13, and laboratory reports are provided in Appendix F.

3.3.3.1 Soil Analysis: VOCs

VOCs were not detected in any soil samples at concentrations above RRUSCOs. The only VOCs detected at concentrations above UUSCOs were n-propylbenzene (8 ppm, SCO 3.9 ppm) at 2SB-01 5-7, and low levels of chlorobenzene (1.7 ppm, SCO 1.1 ppm) in 2SB-07 4.5-6.5 and acetone (peak concentration 0.094 ppm, SCO 0.05 ppm) in TP-03 and TP-05.

VOCs were detected below UUSCOs at trace to low levels in several other locations, including petroleum-related compounds (BTEX and substituted benzenes) and solvents.

VOC TICs were detected in 20 of 35 samples submitted for laboratory analysis, with peak total levels reported in overtly impacted soil at the western exterior portion of Lot 116 at 2SB-01 5-7 (215 ppm) and 2SB-03 8-10 (61.8 ppm). Total values averaged 0.51 ppm at all remaining samples with detected concentrations of TICs.

VOCs at levels above UUSCOs are shown on Figure 6 and VOC levels in soil are summarized in Tables 2 and 3.

3.3.3.2 Soil Analysis: SVOCs

Elevated levels of SVOCs (above both RRUSCOs and UUSCOs) were detected only in sample TP-05, collected at 178 Main Street (location of Spill number 1502657). All exceedances were restricted to PAHs, with a peak level reported for benzo(a)anthracene (2.77 ppm, SCO 1 ppm).

SVOCs were detected below UUSCOs at trace to low levels in several other locations, including PAHs, chlorophenols and phthalates.

SVOC TICs were detected in 2 of 28 samples submitted for laboratory analysis, with total levels reported in overtly impacted soil at the central exterior portion of Lot 116 at 2SB-05 6-8 (36.4 ppm) and MW-04 6-8 (12.9 ppm).

SVOCs at levels above UUSCOs are shown on Figure 7 and SVOC levels in soil are summarized in Tables 4 and 5.

3.3.3.3 Soil Analysis: Metals

Multiple TAL metals were reported in all 36 samples submitted for analysis. One or more of the following metals were detected at levels above RRUSCOs in 11 samples: arsenic (peak concentration 97.9 ppm, RRUSCO 16 ppm), barium (915 ppm, RRUSCO 400 ppm), lead (peak concentration 5,450 ppm, RRUSCO 400 ppm), manganese 3,070 ppm, RRUSCO 2,000) and mercury (peak concentration 3.08 ppm, RRUSCO 0.81 ppm). Metals were detected at levels above UUSCOs (but below RRUSCOs) in 1 additional sample, and at concentrations below UUSCOs in 24 samples.

Metals at levels above UUSCOs are shown on Figure 8 and metal levels in soil are summarized in Table 6.

3.3.3.4 Soil Analysis: Pesticides and PCBs

Pesticides were detected above SCOs in only 1 of 33 samples (TP-08), including 4,4'-DDT (44 ppm, RRUSCO 7.9 ppm) and alpha-chlordane (64.7 ppm, RRUSCO 4.2 ppm). Gamma-chlordane was detected at a high concentration (73.8 ppm, SCO not established). No other samples contained detectable concentrations of pesticides. PCBs were not detected in any samples.

Pesticides and PCBs at levels above UUSCOs are shown on Figure 9 and Pesticides and PCBs levels in soil are summarized in Table 7.

3.3.4 Nature and Extent of Contamination – Soil

Soils throughout the Site are impacted with metals at concentrations above both UUSCOs and RRUSCOs, with limited areas of contamination by VOCs, SVOCs and pesticides (no PCBs were detected in on-site soils). No VOCs were found at concentrations above RRUSCOs and no concentrations of PCE, TCE or related breakdown products were found in on-site soils. Documented contamination is likely to be associated with either the presence of poor quality fill materials or historical commercial uses. Metal contamination above RRUSCOs is limited to arsenic, barium, lead, manganese and mercury. Groundwater data (see Section 3.4) does not indicate: a) significant dissolved concentrations of these metals with the exception of magnesium, which may represent a natural background condition; or, b) any impacts from soil contamination by VOCs, SVOCs or pesticides.

Impacts from historical petroleum releases appear to be limited to SVOC contamination in soil at the northern portion of the Site and high levels of VOC TICs in the vicinity of the garage (indicating significant natural degradation of any residual petroleum).

3.4 Groundwater Investigation

Groundwater quality was investigated through the gauging and sampling of 3 temporary wells (TMW-01 to TMW-03, installed during earlier investigations) and 6 permanent wells (MW-01 to MW-06, installed during the RI). At least one sample from each well was collected and submitted for laboratory analysis. Permanent monitoring wells MW-01 and MW-02 were installed as replacement wells for TMW-01 and TMW-02. All groundwater sampling locations are shown on Figure 3, Sampling Location Map, and a summary of sample collection and submission to the laboratory is provided in Table 13.

3.4.1 Monitoring Well Installation

Permanent monitoring wells MW-01 to MW-06 were installed by CDD on October 26, during the soil investigation. All fieldwork was conducted under the direct supervision of ESI field personnel. Monitoring well locations are illustrated on Figure 12, Direction of Groundwater Flow.

Each monitoring well was constructed of two-inch PVC casing with 10-15 feet of 0.01-inch slotted PVC well screening placed to extend at least 2 feet above the water table. All wells points were set at approximately 16 to 23 feet bsg. The annular spaces between well screens

and boreholes were backfilled with clean #1 silica sand to a depth of 1 to 2 feet above the well screen. A one-foot thick bentonite seal was poured down the borehole above the sand pack and allowed to hydrate before grouting the remaining annular space with cement. All wells are equipped with a gripper casing cap. The top of the casing and cap were set approximately 1.5-2 feet above surface grade (drive over steel casings, proposed in the RIWP, were not installed). Soil boring logs and diagrams indicating well construction are presented in Appendix C.

The height of all monitoring well casings, compared to a fixed arbitrary on-site vertical benchmark, was measured after well installation by ESI personnel using a surveyor's transit.

3.4.2 Monitoring Well Development

Permanent monitoring wells were developed on November 2, 2016, in order to enhance the natural hydraulic connection between the well screen and the surrounding soils. Well casings were first screened with a PID to document the presence of any volatile organic vapors. A submersible pump and dedicated polyethylene tubing were then used to clear fine-grained material that may have settled around the well screen and at the base of the well. Well development began at the top of the water column to prevent clogging of the pump by excessive sediment. The pump body acted as a surge-block by being raised and lowered within portions of the screened interval to force water back and forth through the screen. Repeated surging and pumping was conducted to the bottom of the well casing until the discharged water appeared free of sediment and indicator parameters (pH, temperature, turbidity, dissolved oxygen and specific conductivity) had stabilized. The pump assembly was removed from the well while the pump was still running to avoid discharge of purged water back into the well. Between wells, all non-dedicated equipment was decontaminated.

3.4.3 Groundwater Flow

Groundwater flow was calculated using measurements collected on November 10, 2016, prior to the start of groundwater quality sampling. The general direction of groundwater flow was determined based on elevations of static groundwater using an electronic depth meter accurate to the nearest 0.01-foot (measured prior to any sample collection). Groundwater depth from the top of the well casing, as recorded during the gauging event, ranged from between 6.51 (MW-02) and 11.29 feet (MW-06) below the top of the casing. These raw measurements were compared to existing well survey data (relative casing heights) to generate current groundwater elevation contours. Direction of groundwater flow was determined to be in an overall

southwesterly direction (toward the Hudson River). The rate of groundwater flow was not determined. The generalized direction of groundwater flow is illustrated on Figure 12.

3.4.4 Sample Collection Methodology

Groundwater samples were collected from TMW-01 to TMW-03 on February 26, 2016 and from MW-01 to MW-06 on November 3, 2016. A total of 9 water samples (excluding duplicates) were collected, using laboratory-supplied containers.

Prior to sampling, each monitoring well casing was opened and the well column was immediately screened with a PID to document the presence of any volatile organic vapors.

The volume of the temporary wells was calculated (based on well depth and depth to water measurements) and at least one purge volume of water (three times the static well volume) was removed, using dedicated plastic tubing and a peristaltic pump, before groundwater samples were collected. Samples were collected in 40 ml glass vials preserved with acid.

All permanent wells sampled during the RI were purged and sampled following USEPA low stress ("low flow") purging and sampling procedures. All sampling was conducted using a Horiba® U-50 series multi-parameter water quality meter, dedicated plastic tubing and a peristaltic pump. Sample collection occurred after wells were purged for at least 15 minutes and field parameters stabilized (achieved when three consecutive readings were within the required parameters specified by the USEPA protocol). Each groundwater sample was collected in 40 ml vials, 1 liter amber jars and 250 ml plastic jars, preserved with acid as appropriate for the specific analysis.

No groundwater samples were filtered prior to submission to the laboratory. After sample collection, the containers were placed in a cooler with ice prior to laboratory pick-up. All samples were accompanied by proper chain of custody documentation.

3.4.5 Fieldwork Observations

Slight to moderate petroleum odors were observed at monitoring wells TMW-01/MW-01, TMW-02/MW-02, and MW-04. No other field evidence of contamination was observed in any other wells.

3.4.6 Laboratory Results – Groundwater

A total of 9 water samples were submitted for laboratory analysis. Water samples from the 3 temporary wells (TMW-01 to TMW-03) were analyzed for VOCs utilizing USEPA Method 8260.

Water samples from the 6 permanent wells installed during the RI (MW-01 to MW-06) were analyzed for VOCs plus TICs utilizing USEPA Method 8260, SVOCs plus TICs utilizing USEPA Method 8270, TAL metals utilizing USEPA Methods 6010 and 7471 and pesticides/PCBs utilizing USEPA Methods 8081/8082.

Laboratory results for groundwater are summarized in Tables 8 to 12 and laboratory submission of samples is summarized in Table 13, and laboratory reports are provided in Appendix F.

3.4.6.1 Water Analysis: VOCs

The following VOCs were detected above AWQS in TMW-01: 1,2,4-trimethylbenzene (7.7 ppb, AWQS 5 µg/L), ethylbenzene (16 ppb, AWQS 5 µg/L), n-propylbenzene (6.6 ppb, AWQS 5 µg/L) and total xylenes (6.4 ppb, AWQS 5 µg/L). Low levels of substituted benzenes and methylcyclohexane, as well as a low level of PCE (0.23 ppb, AWQS 5 µg/L), were also reported at TMW-01. Analytes detected at TMW-01 were not reported for MW-01, installed as a replacement well, suggesting that conditions at TMW-01 were not representative of dissolved analyte concentrations. Similarly, a trace concentration of MTBE at TMW-02 was not observed in replacement well MW-02. A trace concentration of p-Isopropyltoluene (0.5 ppb, AWQS 5 µg/L) was detected at MW-04. Low levels of acetone and/or tert-Butyl alcohol (TBA) were detected in several samples, potentially from laboratory or other cross-contamination (acetone and TBA were found in several trip blanks). TICs were detected in 2 of 6 groundwater samples (45 ppb at MW-06 and 1.8 ppb at MW-05). No other VOCs were detected in any groundwater samples.

VOCs at levels above AWQS are shown on Figure 10 and VOCs in groundwater are summarized in Tables 8 and 10.

3.4.6.2 Water Analysis: SVOCs

No SVOCs were detected above AWQS. Trace levels of SVOCs were reported at MW-01 and MW-04 (peak total concentration 0.154 ppb). No TICs were reported in any samples.

SVOCs in groundwater are summarized in Tables 9 and 10.

3.4.6.3 Water Analysis: Metals

Groundwater samples were analyzed for total and dissolved TAL metals. Multiple metals, with exception of antimony, cadmium, mercury, selenium, silver and vanadium were reported in all 6 samples. One or more of the following metals were detected at elevated total concentrations in

each well: cobalt, iron, lead, magnesium, manganese, sodium and thallium. Elevated concentrations of dissolved metals were restricted to iron, magnesium, manganese, sodium and thallium. Concentrations of dissolved iron, manganese, sodium and thallium are somewhat consistent across the Site, suggesting that these metals impacts are related to groundwater conditions in the surrounding area.

Metals at levels above AWQS are shown on Figure 11 (excluding iron and sodium) and metals in groundwater are summarized in Table 11.

3.4.6.4 Water Analysis: Pesticides and PCBs

Pesticides and PCBs were not detected in any groundwater samples. Pesticides and PCBs in groundwater are summarized in Table 12.

3.4.6.5 Quality Control Samples (Blanks)

A low level of acetone (1.6 µg/L) was detected in a RI trip blank on October 27, 2016; the result, however, was flagged to indicate that the analyte was also detected in the laboratory batch sample, indicating contamination during analysis. Low levels of chloroform were detected in two trip blanks, and a low level of methylene chloride was detected in one trip blank, during the Phase II investigation. No other VOCs were detected in any trip blanks.

3.4.7 Nature and Extent of Contamination – Groundwater

Groundwater contamination at the Site is limited to metals, primarily as total concentrations rather than dissolved concentrations. The most significant metals found in soils (arsenic, barium, lead and mercury) are not found, or only occur at low levels, dissolved in groundwater. Several of the metals found at elevated dissolved concentrations are likely to be representative of naturally occurring conditions. Only trace to low-level concentrations of VOCs and SVOCs are present in groundwater (somewhat elevated concentrations of TICs are reported at MW-06), and pesticides and PCBs were not detected.

3.5 Data Generation and Validation

Complete laboratory data packages (ASP Category B Deliverables, six separate reports), containing all laboratory data generated during execution of the RIWP, will be provided by the laboratories. These data packages will be provided to an independent, third-party data validator as specified in the RIWP, and a Data Usability Summary Report (DUSR) prepared by the validator will be provided to both NYSDEC and NYSDOH.

3.6 Qualitative Human Health Exposure Assessment

An exposure assessment was conducted to qualitatively assess the potential impacts of known environmental contaminants associated with the Site on human health, with attention to all possible exposure pathways (i.e. ingestion, inhalation and direct contact). Both current (existing conditions) and future use (proposed restricted-residential or mixed restricted-residential/commercial use) scenarios were considered. Contaminants were assessed relative to specific impacted media.

The primary contaminants of concern at the Site are: metals throughout on-site soils and SVOCs (PAHs) and pesticides in localized areas of fill soils (residual impacts from petroleum releases appear to primarily constitute nuisance conditions); and low-grade vapor impacts beneath the garage. On-site workers (or trespassers) present during remediation and/or future development activities are the most likely receptor population.

The following section evaluates the elements associated with exposure pathways, and describes how each of these elements pertains to the Site. For all media, the implementation of a HASP and a CAMP will mitigate possible impacts to both on-site and off-site receptor populations. Any on-site or off-site development activities that involve disturbance, exposure or contact with contaminated soil, soil vapor or groundwater will require monitoring and mitigation plans to address potential direct contact with media, dust generation and contaminant migration.

3.6.1 Soil

Direct contact, ingestion and/or inhalation (of particulate matter) are the primary exposure pathways for contaminated subsurface soils. People can come into contact if they participate in ground-intrusive work at the Site, or are exposed to dust generated during construction activities that disturb contaminated soil. Outside of excavation activities, there are no likely significant exposures to contaminated soil, either on the Site or at off-site areas.

The potential exists for low-level contamination to remain at on-site areas after remediation and development activities. All potential exposure pathways (direct contact, ingestion or inhalation) will likely be mitigated as subsurface soils would have been remediated and/or access to subsurface soils would be limited by paved areas and building foundations.

3.6.2 Soil Vapor

Potential exposure pathways include vapor intrusion within any new structures and at off-site properties, and direct contact and/or inhalation of contaminated soil vapor generated during soil excavation or remedial construction. A CAMP would be implemented at the Site (and, as required, at off-site areas) to monitor air quality and minimize potential exposures to vapors for both construction works and the public.

The potential for on-site and off-site exposure to soil vapor is expected to decrease after subsurface soils have been remediated. Post-remediation sampling results will document contaminant levels in remaining media and will determine the need for any on-site and off-site vapor intrusion studies, and the need for any on-site engineering controls or building design features (e.g., sub-slab depressurization system or a fully ventilated ground floor garage) to mitigate soil vapor intrusion.

3.6.3 Groundwater

Direct contact and/or ingestion are the primary exposure pathways for contaminated groundwater. Impacted groundwater is not being used for drinking water (or any other purposes) at the Site or at off-site areas, as the area is served by the public water supply. No known private wells exist in the vicinity of the Site. People can come into contact if they participate in ground-intrusive work at the Site. The potential for contact is generally a concern for work conducted at depths near or below the seasonally high local groundwater elevation. Any dissolved contaminants in groundwater downgradient of the Site are anticipated to diminish as a result of Site remediation.

4.0 FINDINGS AND CONCLUSIONS

This office has completed the environmental investigative services summarized in Section 3.0 for the Queen City Lofts Site, located at 178-182 Main Street, 11 South Bridge Street and a portion of 15 South Bridge Street, Poughkeepsie, New York. The investigative work was performed to document the extent of known contamination resulting from former residential and commercial uses of the property, in accordance with a NYSDEC approved RIWP, and to provide guidance on response actions warranted to address identified environmental conditions.

4.1 Findings

Phase I Environmental Site Assessments of the Site indicate that the northern portion of the property formerly contained numerous residential and commercial buildings (dating from as early as the 1800s), including a greenhouse, laundry facility and a manufacturing operation with a machine shop. The southern portion of the Site (eastern half of 15 South Bridge Street) was historically developed with outbuildings associated with coal and lumber storage, and currently contains a vacant building with a former garage, most recently used as a taxi facility. Remedial activities, including installation of a VES, were previously performed to address earlier spill events at the taxi facility, which is the location of several previously closed spill events and is identified as an inactive PBS facility with current or former 8,000-gallon gasoline UST. Results of the RI, as well as previous environmental investigations conducted by ESI, are provided below.

4.1.1 Soil Contamination

Soil exhibiting overt field evidence of petroleum contamination (PID readings, staining and/or odors) was observed during previous investigations at the northeastern portion of the Site (test pits TP-03 and TP-05 at 6 to 8 feet, and TP-06 at 6 to 12 feet) and at the southern portion of the Site near the garage (borings SB-01/TMW-01, SB-02/TMW-02, and SB-03 at depths ranging from 8 to 14 feet bsg); ESI reported spill numbers 1502657 and 1511940, respectively, for these areas. Field evidence of petroleum contamination was encountered during the RI at 2SB-01, 2SB-02, 2SB-03, 2SB-05, 2SB-06, 2SB-07, 2SB-12, MW-01, MW-02, and MW-04 at depths ranging from surface grade to 20 feet bsg. NAPL was not present at either location and observed impacts in these areas are consistent with petroleum that has undergone significant natural degradation. Impacted areas are present at only limited portions of the Site. Fill materials containing debris (metal, masonry and building materials) is present throughout the majority of the northern portion of the Site. No other overt evidence of petroleum or chemical contamination, or likely sources of contamination, was observed in Site soils.

Soils throughout the Site are impacted with metals at concentrations above both UUSCOs and RRUSCOs, with limited areas of contamination by VOCs, SVOCs and pesticides (no PCBs were detected in on-site soils). No VOCs were found at concentrations above RRUSCOs and no concentrations of PCE, TCE or related breakdown products were found in on-site soils. Documented contamination is likely to be associated with either the presence of poor quality fill

materials or historical commercial uses. Metal contamination above RRUSCOs is limited to arsenic, barium, lead, manganese and mercury; these analytes (as well as VOCs, SVOCs and pesticides), however, are not dissolved in groundwater at significant concentrations (see Section 4.1.2).

Impacts from historical petroleum releases appear to be limited to SVOC contamination in soil at the northern portion of the Site and high levels of VOC TICs in the vicinity of the garage (indicating significant natural degradation of any residual petroleum).

4.1.2 Groundwater Contamination

Field evidence of contamination in groundwater is limited to TMW-01/MW-01 and TMW-02/MW-02. Elevated concentrations of petroleum compounds (VOC), previously found in water samples collected from a temporary well near the garage, were not found in groundwater sampled at replacement wells, suggesting that the original samples were not representative of dissolved analyte concentrations.

Significant groundwater contamination at the Site is limited to metals, primarily as total concentrations rather than dissolved concentrations. The most significant metals found in soils (arsenic, barium, lead and mercury) are not found, or only occur at low levels, dissolved in groundwater. Several of the metals found at elevated dissolved concentrations are likely to be representative of naturally occurring conditions. Only trace to low-level concentrations of VOCs and SVOCs are present in groundwater (somewhat elevated VOC TICs are reported in one well), and pesticides and PCBs were not detected.

4.1.3 Soil Vapor Contamination

Significant soil vapor contamination is limited to relatively low levels of PCE, which appears to be spatially restricted to the southeastern corner of the Site. PCE is present at levels indicating a potential for soil vapor intrusion, should new buildings be constructed at this portion of the Site (current plans call for only paved parking in this area). Vapor levels, however, are not consistent with the presence of a significant source area (PCE was not detected in soil samples and was reported at only a trace concentration in one monitoring well). Trace to low-levels of other VOCs detected in soil vapor are consistent with levels typically encountered in urban settings and are likely due to the historical commercial use of this or other nearby sites, or the presence of fill materials.

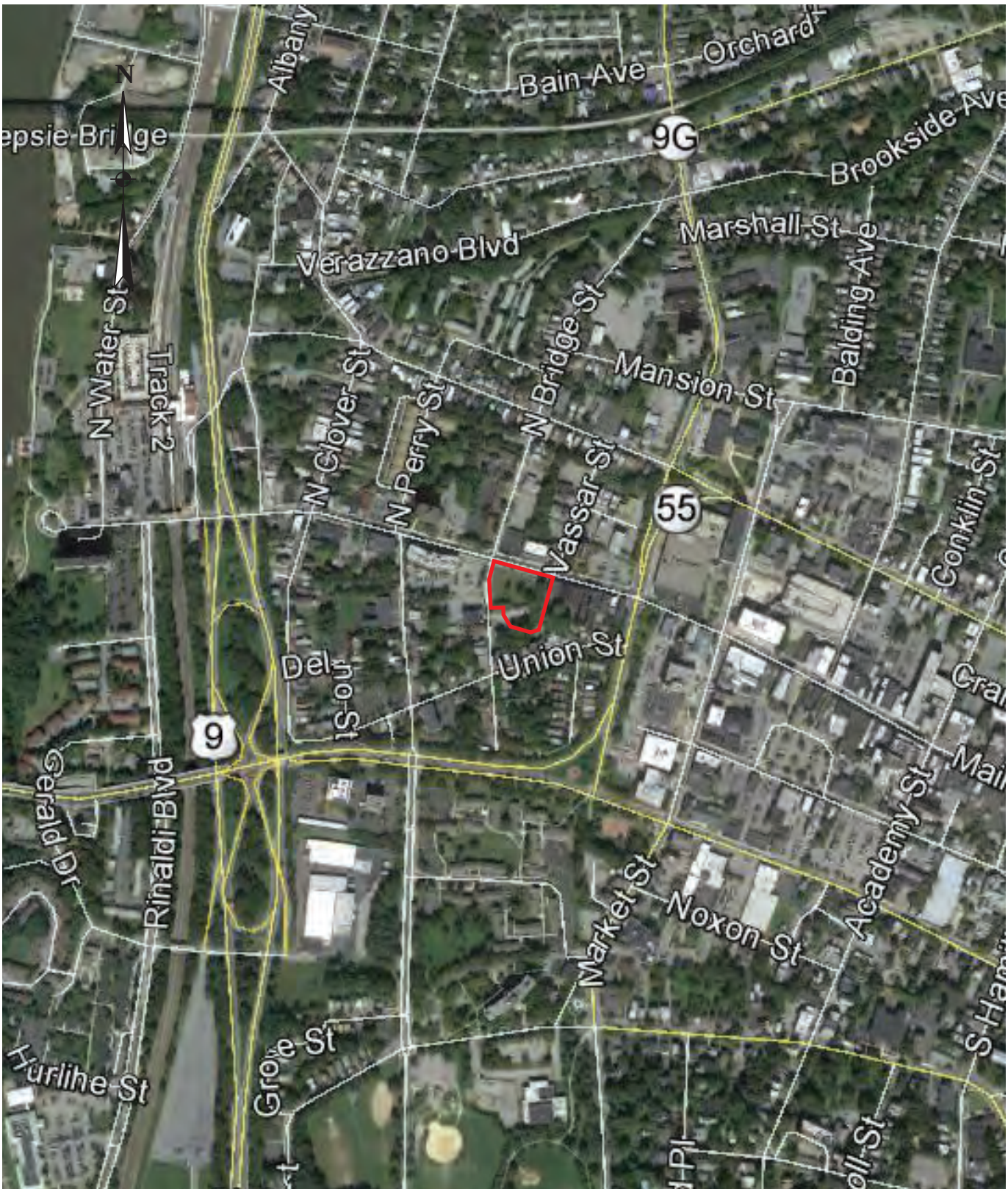
4.2 Conclusions

Site investigative work, including analysis of soil vapor, soil and groundwater has been completed on BCP Site C314125. Based on the investigative work conducted to date, the following general conclusions are reached:

- Sufficient investigative work has been completed with respect to on-site soil conditions. Additional work may be warranted during Site development to further evaluate subsurface conditions and provide practical guidance during implementation of the selected remedial action. Any soils encountered during development, which exhibit petroleum impacts above nuisance conditions, should be evaluated in consultation with NYSDEC in support of spill file closure.
- Sufficient investigative work has been completed with respect to on-site groundwater contamination. Identified impacts to groundwater are not likely to be related to significant source areas in Site soils and no off-site impacts are anticipated.
- Sufficient investigative work has been completed with respect to soil vapor concerns at the Site. Peak concentrations of PCE are not at levels suggesting any potential off-site vapor encroachment concerns. Removal of the former garage and any encountered overtly impacted subsurface soils beneath the structure is expected to substantially reduce soil vapor levels; further soil vapor testing, however, should be conducted during implementation of the remedial action, to confirm Site conditions.

APPENDIX A

Figures



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

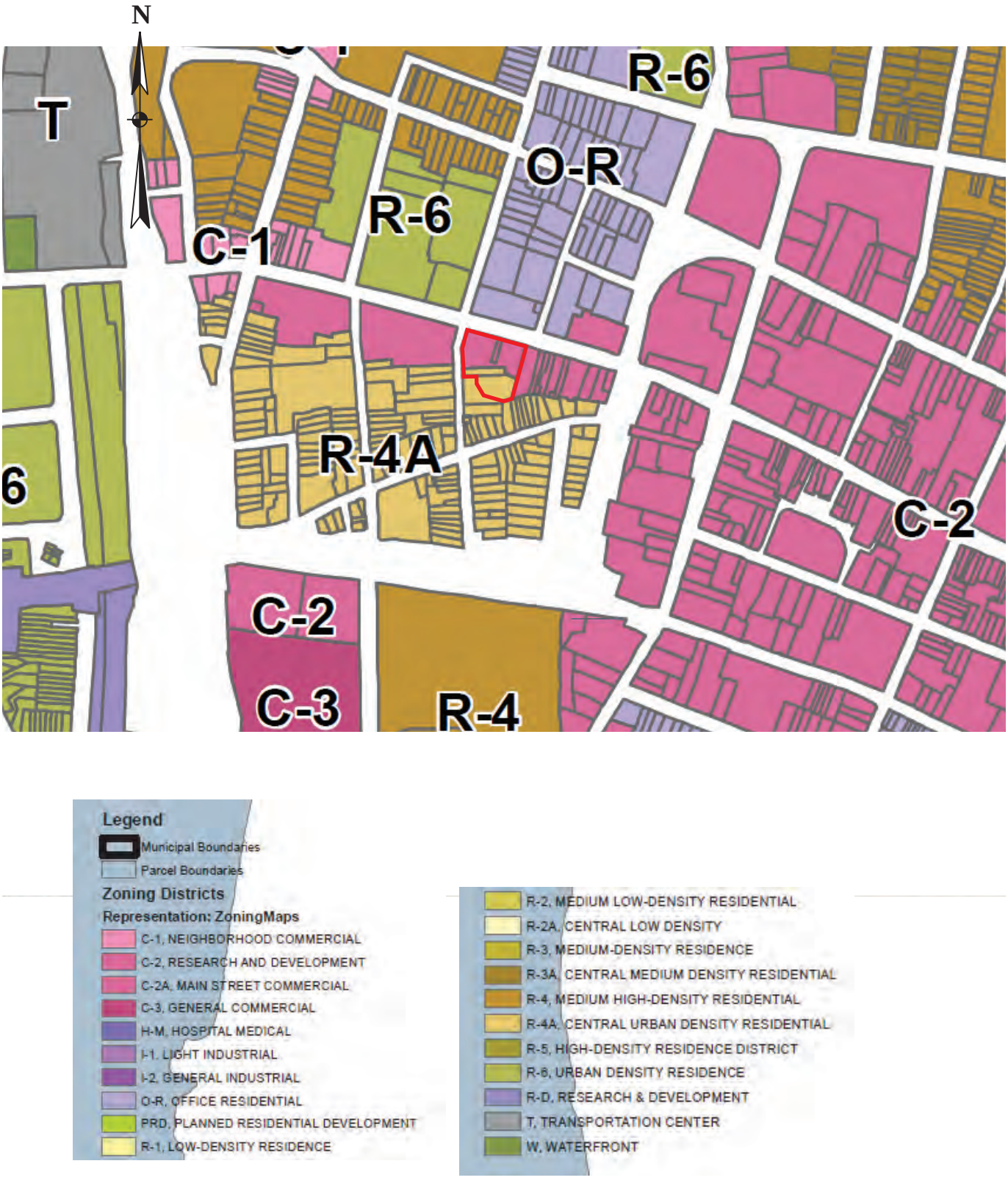
Figure 1: Site Location Map
178-182 Main Street, 11 South Bridge Street
and a portion of 15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

Legend:
subject property border
0 250 500
SCALE IN FEET
(APPROXIMATELY)

ESI File: KP15045.50

December 2016

Appendix A



Source Map provided by Dutchess County Department of Planning and Development 12/26/12

Figure 2- Area of Land Uses
178-182 Main Street, 11 South Bridge Street
and a portion of 15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

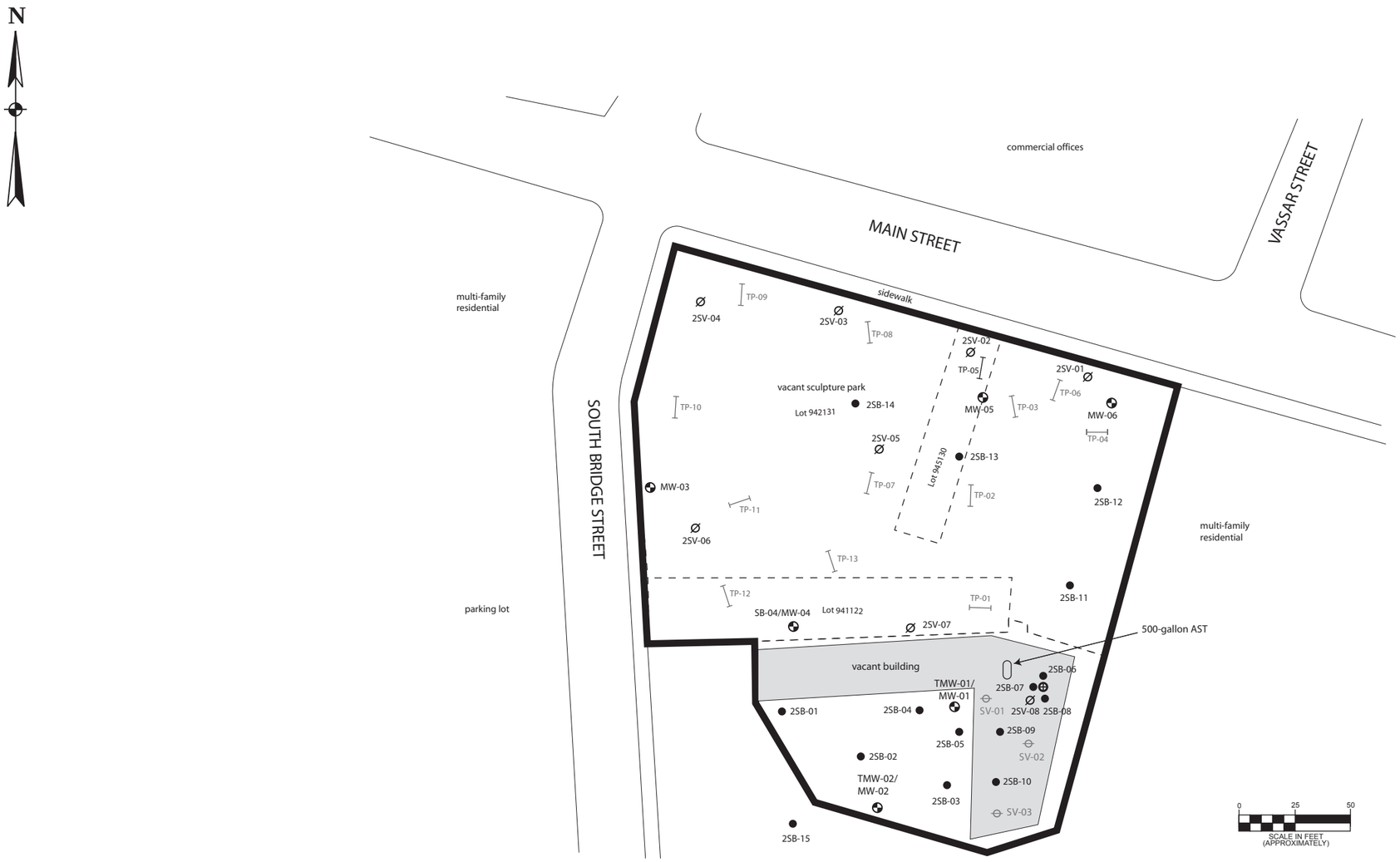
Legend:
subject property border
0 500 1,000
SCALE IN FEET
(APPROXIMATELY)

ESI File: KP15045.50

December 2016

Appendix A

Ecosystems Strategies, Inc.



Legend:

- subject property border
- lot line
- previous test pit location
- floor drain location
- previous soil vapor location
- soil boring location
- monitoring well and soil boring location
- soil vapor location

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 3: Sampling Location Map

178-182 Main Street, 11 South Bridge Street
and a portion of 15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

ESI File: KP15045.50

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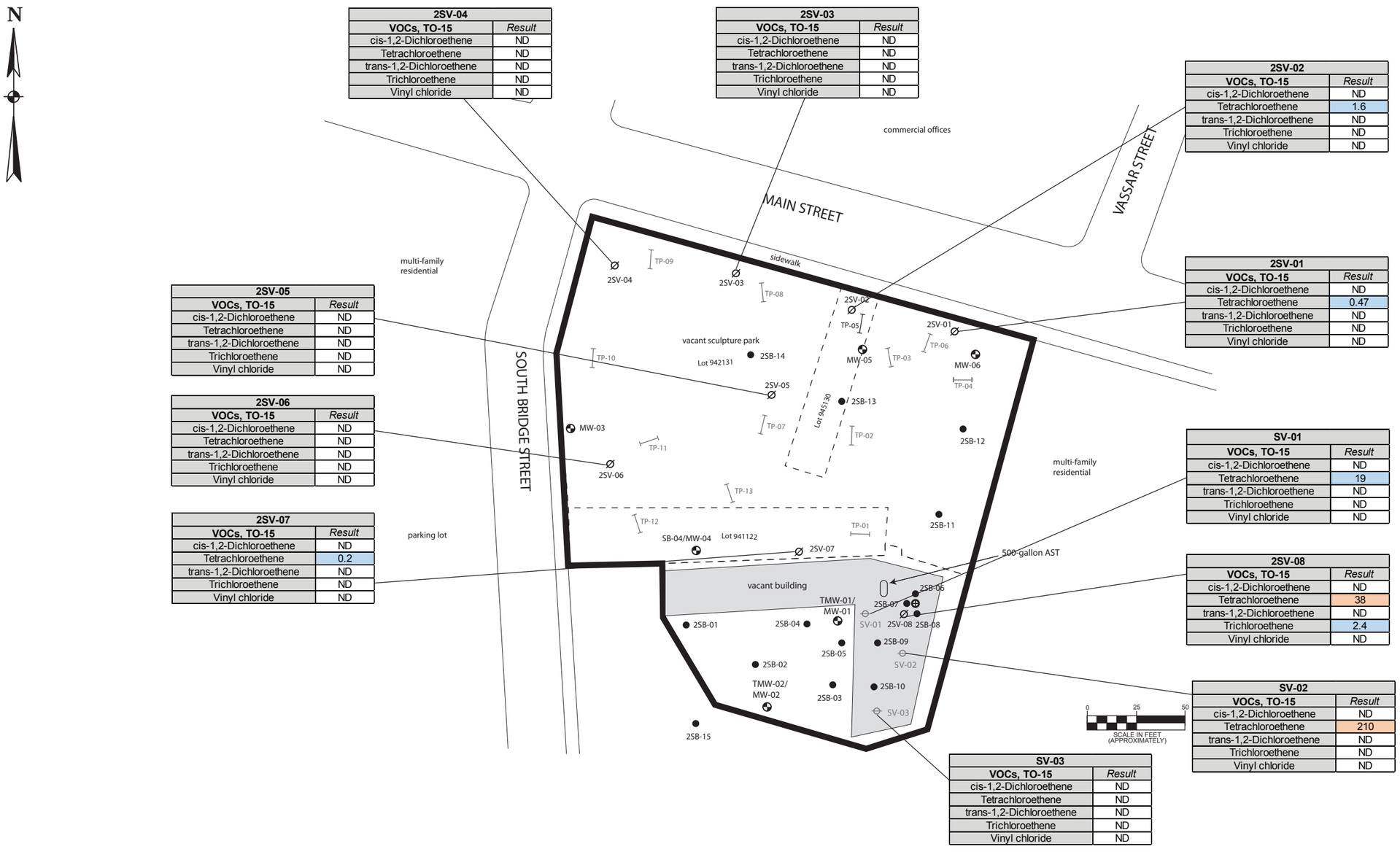
December 2016 | Appendix A



2SV-04	
VOCs, TO-15	*Result*
cis-1,2-Dichloroethene	ND
Tetrachloroethene	ND
trans-1,2-Dichloroethene	ND
Trichloroethene	ND
Vinyl chloride	ND

2SV-03	
VOCs, TO-15	*Result*
cis-1,2-Dichloroethene	ND
Tetrachloroethene	ND
trans-1,2-Dichloroethene	ND
Trichloroethene	ND
Vinyl chloride	ND

2SV-02	
VOCs, TO-15	*Result*
cis-1,2-Dichloroethene	ND
Tetrachloroethene	1.6
trans-1,2-Dichloroethene	ND
Trichloroethene	ND
Vinyl chloride	ND

2SV-01	
VOCs, TO-15	*Result*
cis-1,2-Dichloroethene	ND
Tetrachloroethene	0.47
trans-1,2-Dichloroethene	ND
Trichloroethene	ND
Vinyl chloride	ND

2SV-05	
VOCs, TO-15	*Result*
cis-1,2-Dichloroethene	ND
Tetrachloroethene	ND
trans-1,2-Dichloroethene	ND
Trichloroethene	ND
Vinyl chloride	ND

2SV-06	
VOCs, TO-15	*Result*
cis-1,2-Dichloroethene	ND
Tetrachloroethene	ND
trans-1,2-Dichloroethene	ND
Trichloroethene	ND
Vinyl chloride	ND

2SV-07	
VOCs, TO-15	*Result*
cis-1,2-Dichloroethene	ND
Tetrachloroethene	0.2
trans-1,2-Dichloroethene	ND
Trichloroethene	ND
Vinyl chloride	ND

SV-01	
VOCs, TO-15	*Result*
cis-1,2-Dichloroethene	ND
Tetrachloroethene	19
trans-1,2-Dichloroethene	ND
Trichloroethene	ND
Vinyl chloride	ND

2SV-08	
VOCs, TO-15	*Result*
cis-1,2-Dichloroethene	ND
Tetrachloroethene	38
trans-1,2-Dichloroethene	ND
Trichloroethene	2.4
Vinyl chloride	ND

SV-02	
VOCs, TO-15	*Result*
cis-1,2-Dichloroethene	ND
Tetrachloroethene	210
trans-1,2-Dichloroethene	ND
Trichloroethene	ND
Vinyl chloride	ND

SV-03	
VOCs, TO-15	*Result*
cis-1,2-Dichloroethene	ND
Tetrachloroethene	ND
trans-1,2-Dichloroethene	ND
Trichloroethene	ND
Vinyl chloride	ND

Detected concentrations
Relatively elevated concentrations
All data in µg/m^3
ND = non detect

Legend:

- subject property border
- lot line
- previous test pit location
- floor drain location
- previous soil vapor location
- soil boring location
- monitoring well and soil boring location
- soil vapor location

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 5: Significant Soil Vapor Concentrations

178-182 Main Street, 11 South Bridge Street
and a portion of 15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

ESI File: KP15045.50

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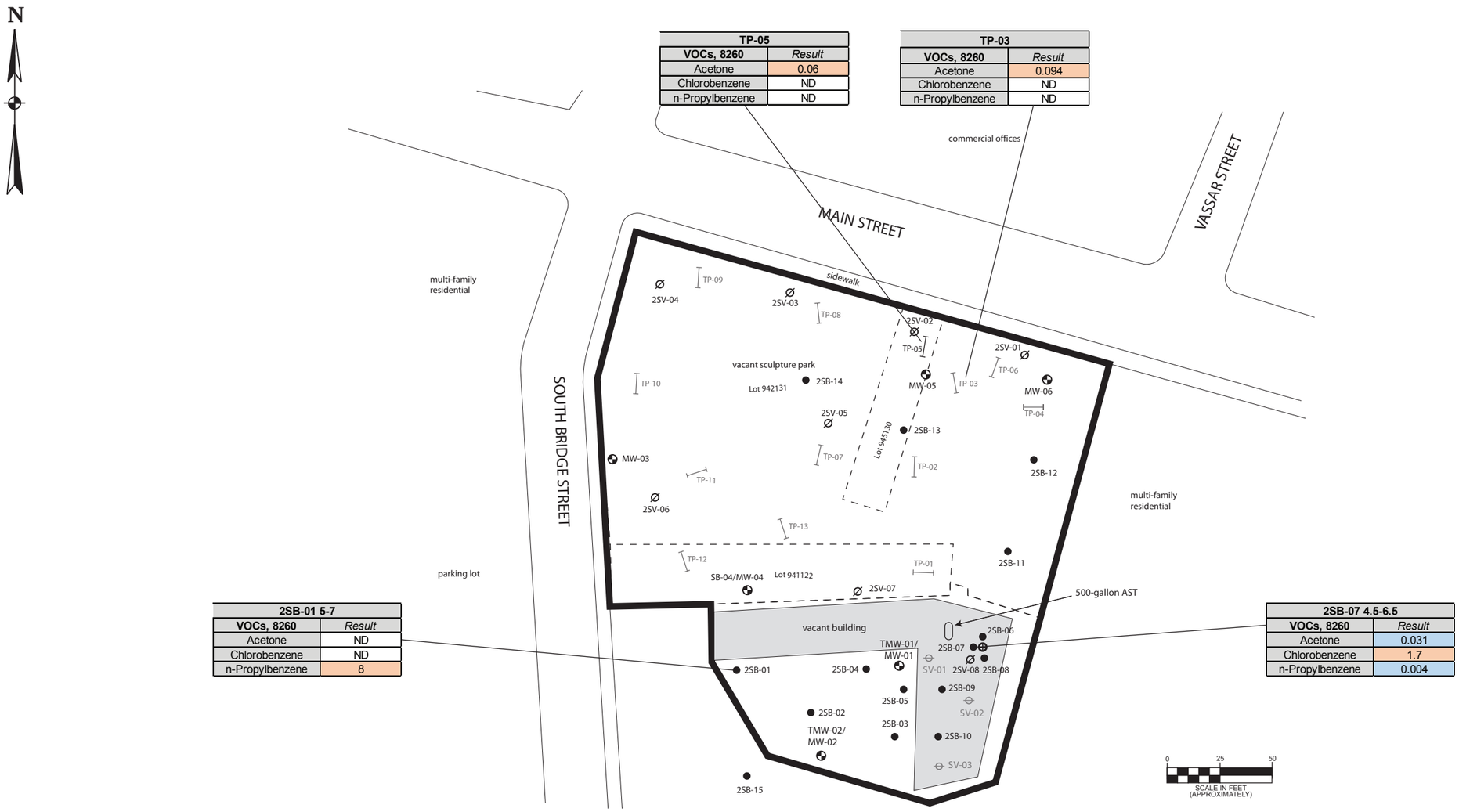
December 2016 | Appendix A



VOCs, 8260	UUSCO	RRUSCO
Acetone	0.05	100
Chlorobenzene	1.1	100
n-Propylbenzene	3.9	100
Analyte Detected		
Analyte Above UUSCO		
Analyte Above RRUSCO		
All data in mg/Kg (parts per million)		
ND = non detect		

Legend:

- subject property border
- lot line
- previous test pit location
- floor drain location
- previous soil vapor location
- soil boring location
- monitoring well and soil boring location
- soil vapor location

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 6: VOCs Above UUSCOs in Soil

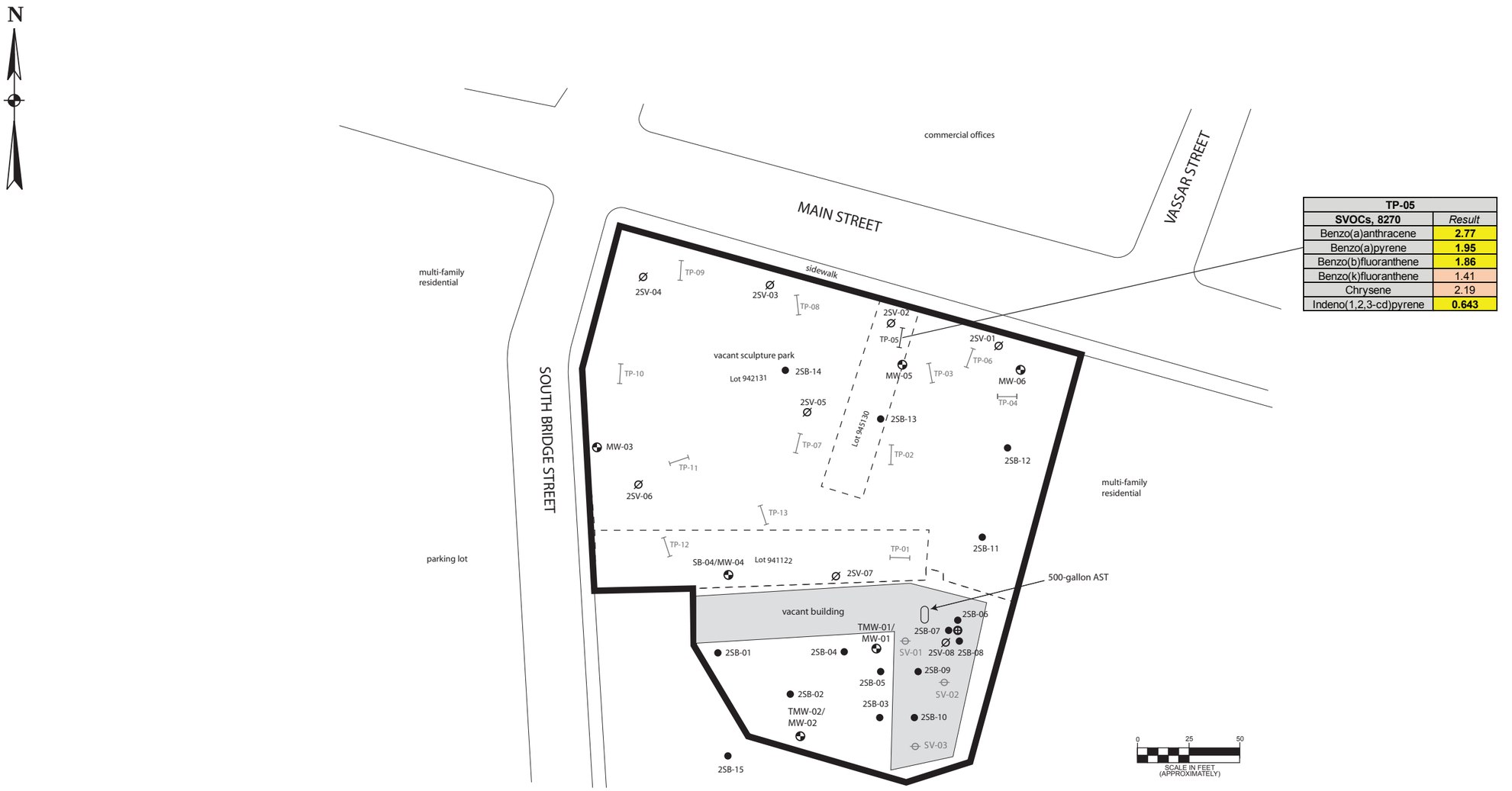
178-182 Main Street, 11 South Bridge Street
and a portion of 15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

ESI File: KP15045.50

Scale s shown

December 2016 | Appendix A

Ecosystems Strategies, Inc.



TP-05	
SVOCs, 8270	*Result*
Benzo(a)anthracene	**2.77**
Benzo(a)pyrene	**1.95**
Benzo(b)fluoranthene	**1.86**
Benzo(k)fluoranthene	1.41
Chrysene	2.19
Indeno(1,2,3-cd)pyrene	**0.643**

SVOCs, 8270	UUSCO	RRUSCO
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Indeno(1,2,3-cd)pyrene	0.5	1
Analyte Detected		
Analyte Above UUSCO		
Analyte Above RRUSCO		
All data in mg/Kg (parts per million)		
ND = non detect		

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Legend:

- subject property border
- lot line
- previous test pit location
- floor drain location
- previous soil vapor location
- soil boring location
- monitoring well and soil boring location
- soil vapor location

Figure 7: SVOCs Above UUSCOs in Soil

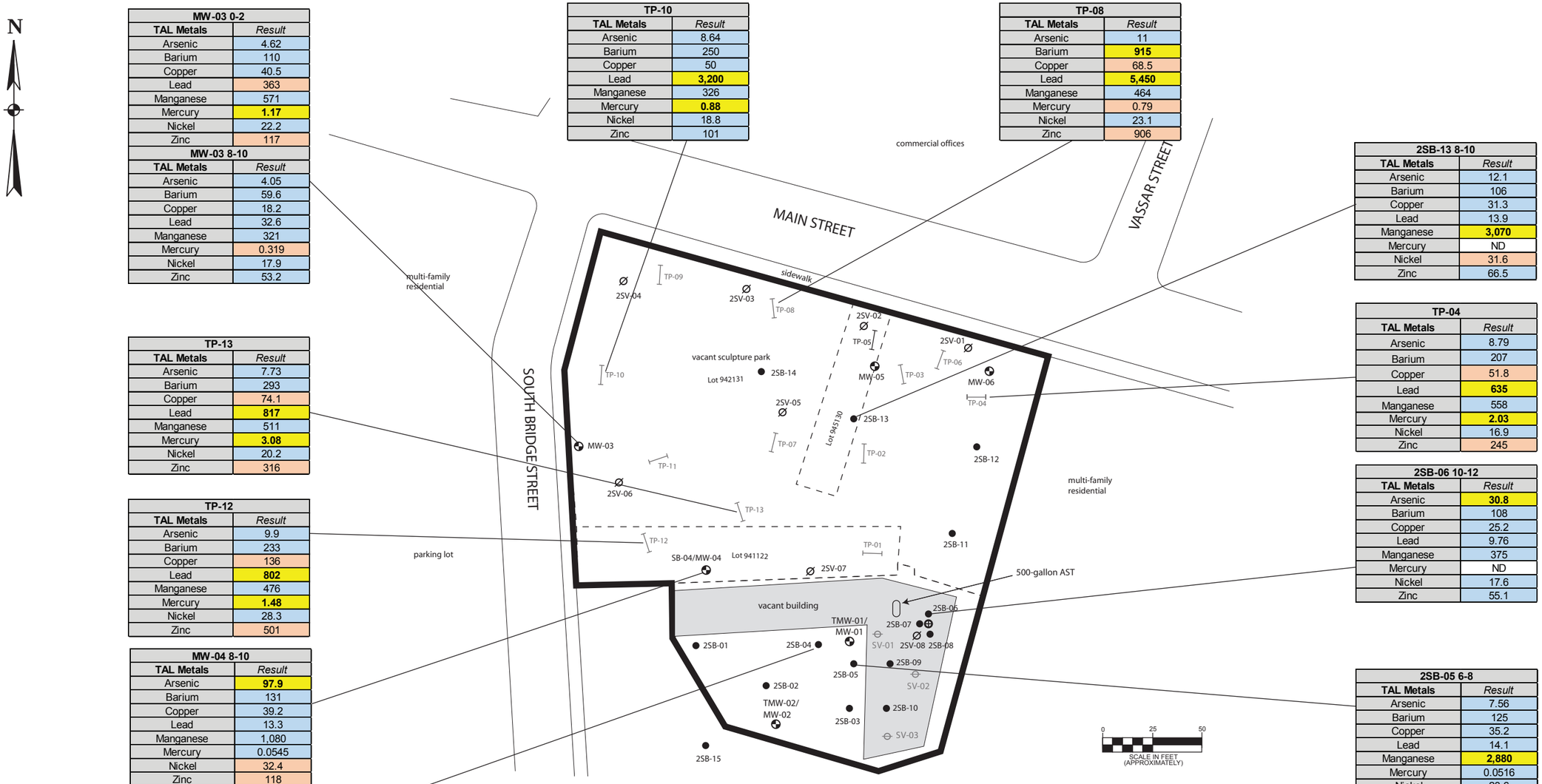
178-182 Main Street, 11 South Bridge Street
and a portion of 15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

ESI File: KP15045.50

Scale s shown

December 2016 | Appendix A

Ecosystems Strategies, Inc.



MW-03 0-2	
TAL Metals	*Result*
Arsenic	4.62
Barium	110
Copper	40.5
Lead	363
Manganese	571
Mercury	**1.17**
Nickel	22.2
Zinc	117

MW-03 8-10	
TAL Metals	*Result*
Arsenic	4.05
Barium	59.6
Copper	18.2
Lead	32.6
Manganese	321
Mercury	0.319
Nickel	17.9
Zinc	53.2

TP-10	
TAL Metals	*Result*
Arsenic	8.64
Barium	250
Copper	50
Lead	**3,200**
Manganese	326
Mercury	**0.88**
Nickel	18.8
Zinc	101

TP-08	
TAL Metals	*Result*
Arsenic	11
Barium	**915**
Copper	68.5
Lead	**5,450**
Manganese	464
Mercury	0.79
Nickel	23.1
Zinc	906

2SB-13 8-10	
TAL Metals	*Result*
Arsenic	12.1
Barium	106
Copper	31.3
Lead	13.9
Manganese	**3,070**
Mercury	ND
Nickel	31.6
Zinc	66.5

TP-13	
TAL Metals	*Result*
Arsenic	7.73
Barium	293
Copper	74.1
Lead	**817**
Manganese	511
Mercury	**3.08**
Nickel	20.2
Zinc	316

TP-04	
TAL Metals	*Result*
Arsenic	8.79
Barium	207
Copper	51.8
Lead	**635**
Manganese	558
Mercury	**2.03**
Nickel	16.9
Zinc	245

2SB-06 10-12	
TAL Metals	*Result*
Arsenic	**30.8**
Barium	108
Copper	25.2
Lead	9.76
Manganese	375
Mercury	ND
Nickel	17.6
Zinc	55.1

TP-12	
TAL Metals	*Result*
Arsenic	9.9
Barium	233
Copper	136
Lead	**802**
Manganese	476
Mercury	**1.48**
Nickel	28.3
Zinc	501

MW-04 8-10	
TAL Metals	*Result*
Arsenic	**97.9**
Barium	131
Copper	39.2
Lead	13.3
Manganese	1,080
Mercury	0.0545
Nickel	32.4
Zinc	118

2SB-05 6-8	
TAL Metals	*Result*
Arsenic	7.56
Barium	125
Copper	35.2
Lead	14.1
Manganese	**2,880**
Mercury	0.0516
Nickel	23.6
Zinc	77.9

2SB-04 8-10	
TAL Metals	*Result*
Arsenic	**28.2**
Barium	93.8
Copper	35.5
Lead	10.7
Manganese	482
Mercury	ND
Nickel	20.2
Zinc	77.3

VOCs, 8260	UUSCO	RRUSCO
Arsenic	13	16
Barium	350	400
Copper	50	270
Lead	63	400
Manganese	1,600	2,000
Mercury	0.18	1
Nickel	30	310
Zinc	109	2,200
Analyte Detected		
Analyte Above UUSCO		
Analyte Above RRUSCO		
All data in mg/Kg (parts per million)		
ND = non detect		

Legend:

- subject property border
- lot line
- previous test pit location
- floor drain location
- previous soil vapor location
- soil boring location
- monitoring well and soil boring location
- soil vapor location

Figure 8: TAL Metals Above UUSCOs in Soil

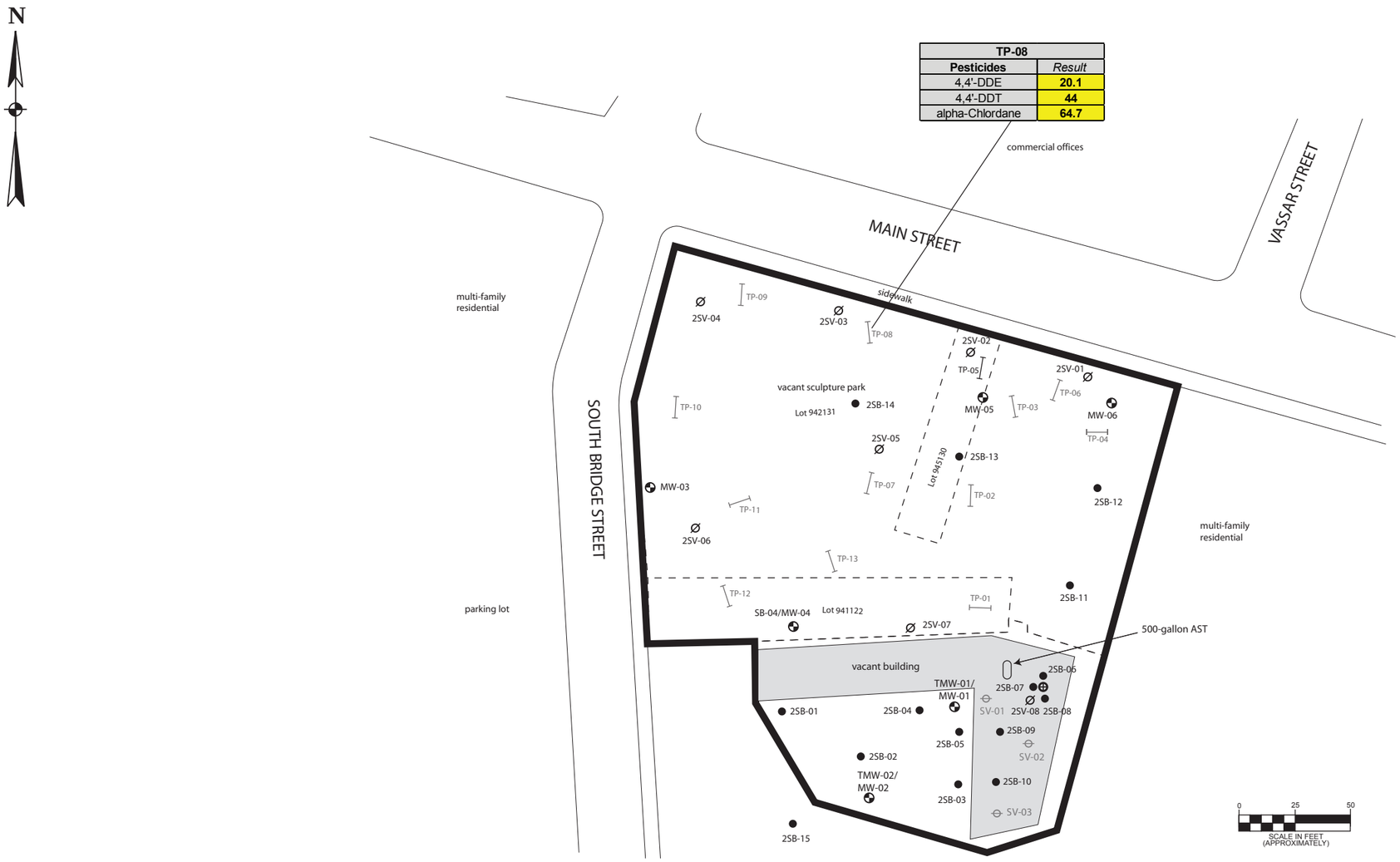
178-182 Main Street, 11 South Bridge Street
and a portion of 15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

ESI File: KP15045.50

Scale s shown

December 2016 | Appendix A

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.



Pesticides	UUSCO	RRUSCO
4,4'-DDE	0.0033	8.9
4,4'-DDT	0.0033	7.9
alpha-Chlordane	0.094	4
Analyte Detected		
Analyte Above UUSCO		
Analyte Above RRUSCO		
All data in mg/Kg (parts per million)		
ND = non detect		

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Legend:

- subject property border
- lot line
- previous test pit location
- floor drain location
- previous soil vapor location
- soil boring location
- monitoring well and soil boring location
- soil vapor location

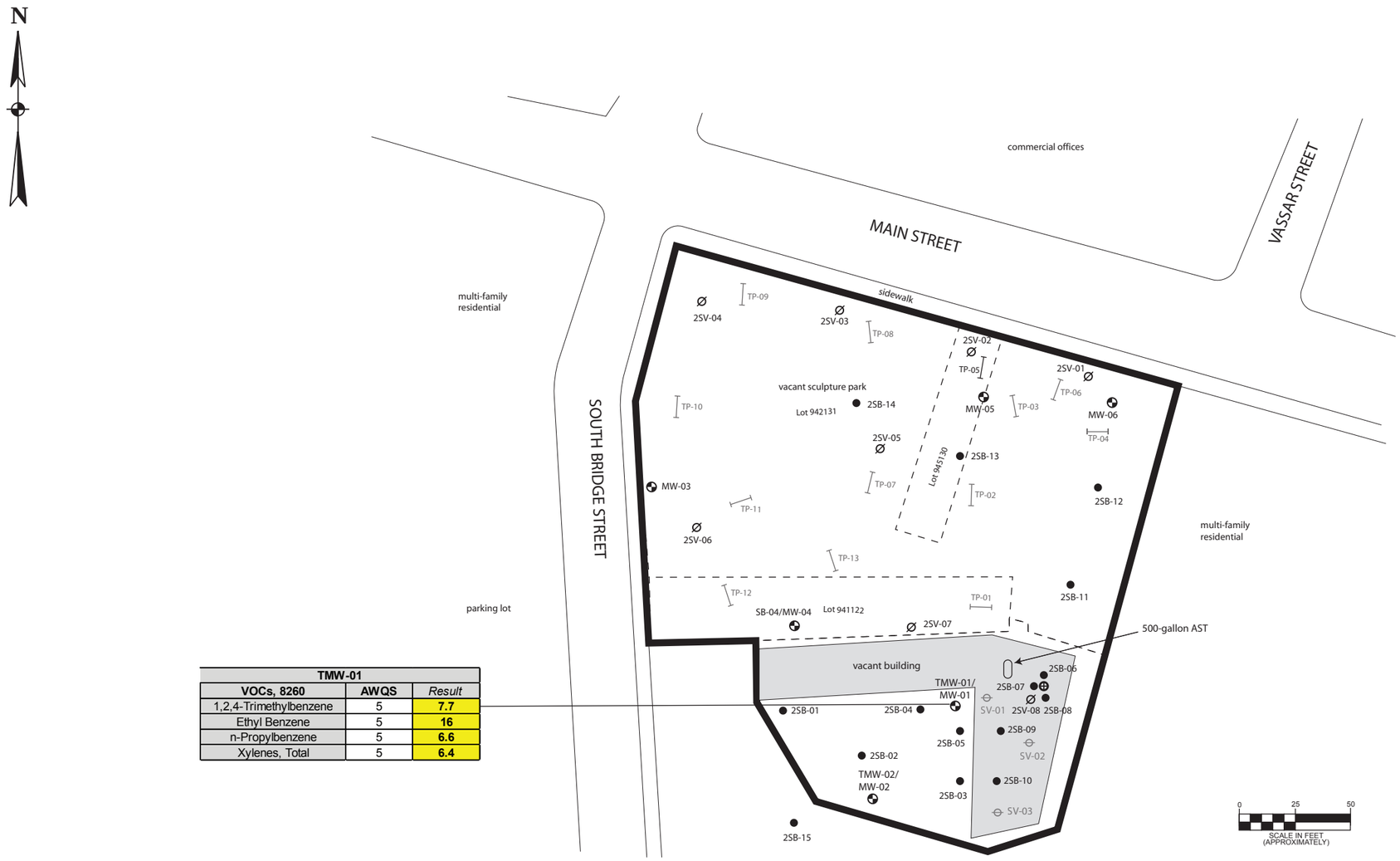
Figure 9: Pesticides Above UUSCOs in Soil

178-182 Main Street, 11 South Bridge Street
and a portion of 15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

ESI File: KP15045.50

Scale s shown

December 2016 | Appendix A



TMW-01		
VOCs, 8260	**AWQS**	*Result*
1,2,4-Trimethylbenzene	5	**7.7**
Ethyl Benzene	5	**16**
n-Propylbenzene	5	**6.6**
Xylenes, Total	5	**6.4**

Analyte Detected
Analyte Above AWQS
All data in µg/L (parts per billion)
ND = non detect

Legend:

- subject property border
- lot line
- previous test pit location
- floor drain location
- previous soil vapor location
- soil boring location
- monitoring well and soil boring location
- soil vapor location

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 10: VOCs Above AWQS in Groundwater

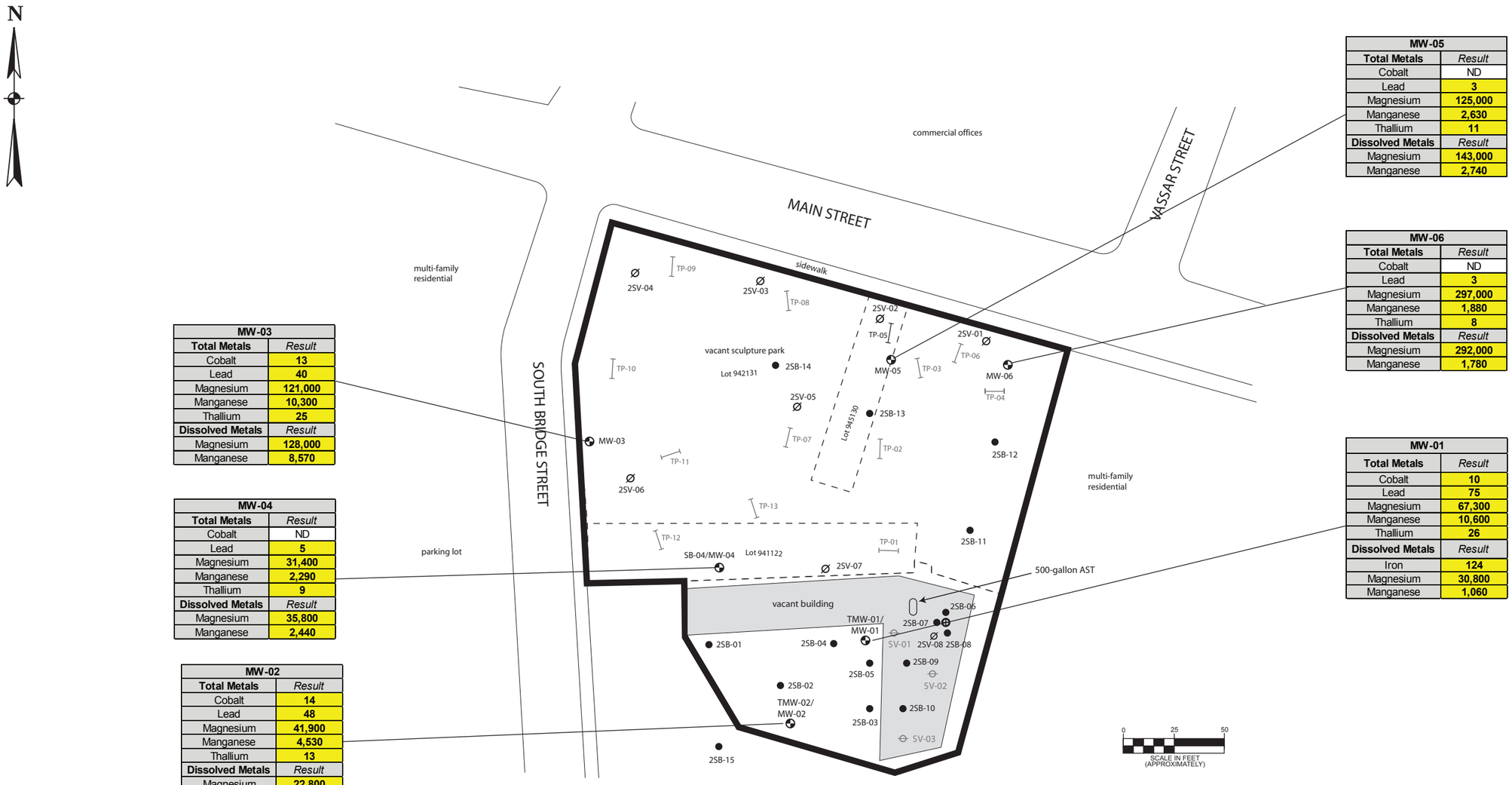
178-182 Main Street, 11 South Bridge Street
and a portion of 15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

ESI File: KP15045.50

Scale s shown

December 2016 | Appendix A

Ecosystems Strategies, Inc.



MW-03	
Total Metals	*Result*
Cobalt	**13**
Lead	**40**
Magnesium	**121,000**
Manganese	**10,300**
Thallium	**25**
Dissolved Metals	*Result*
Magnesium	**128,000**
Manganese	**8,570**

MW-04	
Total Metals	*Result*
Cobalt	ND
Lead	**5**
Magnesium	**31,400**
Manganese	**2,290**
Thallium	**9**
Dissolved Metals	*Result*
Magnesium	**35,800**
Manganese	**2,440**

MW-02	
Total Metals	*Result*
Cobalt	**14**
Lead	**48**
Magnesium	**41,900**
Manganese	**4,530**
Thallium	**13**
Dissolved Metals	*Result*
Magnesium	**22,800**
Manganese	**482**

MW-05	
Total Metals	*Result*
Cobalt	ND
Lead	**3**
Magnesium	**125,000**
Manganese	**2,630**
Thallium	**11**
Dissolved Metals	*Result*
Magnesium	**143,000**
Manganese	**2,740**

MW-06	
Total Metals	*Result*
Cobalt	ND
Lead	**3**
Magnesium	**297,000**
Manganese	**1,880**
Thallium	**8**
Dissolved Metals	*Result*
Magnesium	**292,000**
Manganese	**1,780**

MW-01	
Total Metals	*Result*
Cobalt	**10**
Lead	**75**
Magnesium	**67,300**
Manganese	**10,600**
Thallium	**26**
Dissolved Metals	*Result*
Iron	**124**
Magnesium	**30,800**
Manganese	**1,060**

TAL Metals	AWQS
Cobalt	5
Lead	25
Magnesium	35,000
Manganese	300
Thallium	0.5
Analyte above AWQS	
All data in µg/L (parts per billion)	
ND = non detect	

Legend:

- subject property border
- lot line
- previous test pit location
- floor drain location
- previous soil vapor location
- soil boring location
- monitoring well and soil boring location
- soil vapor location

Figure 11: TAL Metals Above AWQS in Goundwater

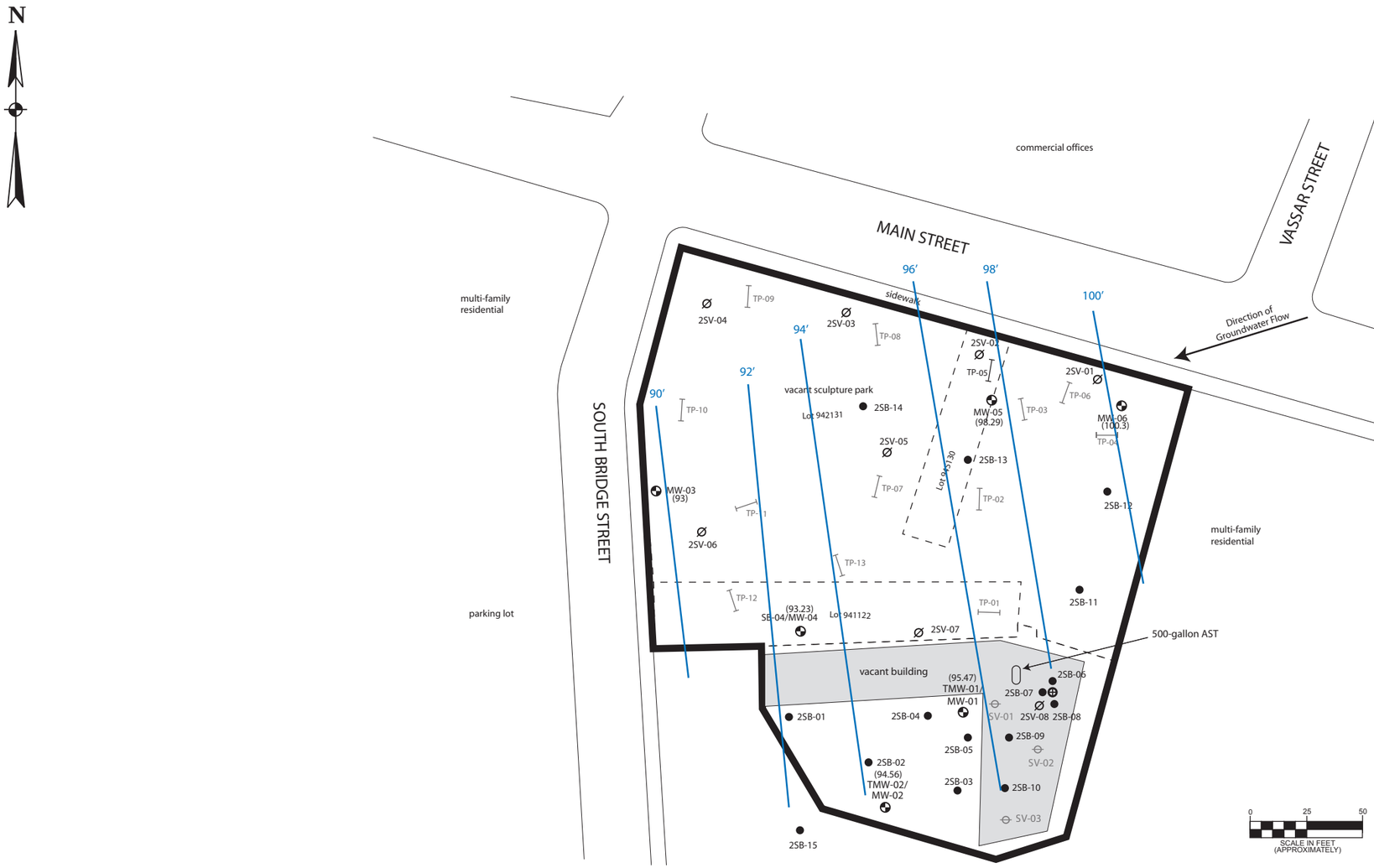
178-182 Main Street, 11 South Bridge Street
and a portion of 15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

ESI File: KP15045.50

Scale s shown

December 2016 | Appendix A

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.



Legend:

- subject property border
- lot line
- previous test pit location
- floor drain location
- countour lines
- previous soil vapor location
- soil boring location
- monitoring well and soil boring location
- soil vapor location

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 12: Direction of Groundwater Flow

178-182 Main Street, 11 South Bridge Street
and a portion of 15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

ESI File: KP15045.50

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December 2016 | Appendix A

APPENDIX B

Data Tables

Table 1: VOCs in Soil Vapor
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/m³	**Sample ID**	**SV-01**		**SV-02**		**SV-03**		**2SV-01**	
U= Not Detected (≥ indicated value)	Sample Date	(2016-02-18)		(2016-02-18)		(2016-02-18)		(2016-10-26)	
Data above AGVs shown in **Bold**	Dilution Factor	1.697		1.691		1.714		1	
VOCs, TO-15		*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane		1.2	*U*	1.2	*U*	1.2	*U*	0.69	*U*
1,1,1-Trichloroethane		0.93	*U*	6.8	*D*	0.94	*U*	0.55	*U*
1,1,2,2-Tetrachloroethane		1.2	*U*	1.2	*U*	1.2	*U*	0.69	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane		1.3	*U*	1.3	*U*	1.3	*U*	0.77	*U*
1,1,2-Trichloroethane		0.93	*U*	0.92	*U*	0.94	*U*	0.55	*U*
1,1-Dichloroethane		0.69	*U*	0.68	*U*	0.69	*U*	0.4	*U*
1,1-Dichloroethene		0.67	*U*	0.67	*U*	0.68	*U*	0.4	*U*
1,2,4-Trichlorobenzene		1.3	*U*	1.3	*U*	1.3	*U*	0.74	*U*
1,2,4-Trimethylbenzene		4.8	*D*	1.3	*D*	1.1	*D*	0.49	*U*
1,2-Dibromoethane		1.3	*U*	1.3	*U*	1.3	*U*	0.77	*U*
1,2-Dichlorobenzene		1	*U*	1	*U*	1	*U*	0.6	*U*
1,2-Dichloroethane		0.69	*U*	0.68	*U*	0.69	*U*	0.4	*U*
1,2-Dichloropropane		0.78	*U*	0.78	*U*	0.79	*U*	0.46	*U*
1,2-Dichlorotetrafluoroethane		1.2	*U*	1.2	*U*	1.2	*U*	0.7	*U*
1,3,5-Trimethylbenzene		2.5	*D*	0.83	*U*	0.84	*U*	0.49	*U*
1,3-Butadiene		2.2	*U*	2.2	*U*	2.2	*U*	0.66	*U*
1,3-Dichlorobenzene		1	*U*	1	*U*	1	*U*	0.6	*U*
1,3-Dichloropropane		0.78	*U*	0.78	*U*	0.79	*U*	0.46	*U*
1,4-Dichlorobenzene		1	*U*	1	*U*	1	*U*	0.6	*U*
1,4-Dioxane		1.2	*U*	1.2	*U*	1.2	*U*	0.72	*U*
2-Butanone		1.9	*D*	2.1	*D*	3	*D*	4.4	
2-Hexanone		1.4	*U*	1.4	*U*	1.4	*U*	0.82	*U*
3-Chloropropene		2.7	*U*	2.6	*U*	2.7	*U*	1.6	*U*
4-Methyl-2-pentanone		0.7	*U*	0.69	*U*	0.7	*U*	0.41	*U*
Acetone		100	*D*	13	*D*	27	*D*	2.8	
Acrylonitrile		0.37	*U*	0.37	*U*	0.37	*U*	0.22	*U*
Benzene		2.4	*D*	1.7	*D*	2.5	*D*	0.32	*U*
Benzyl chloride		0.88	*U*	0.88	*U*	0.89	*U*	0.52	*U*
Bromodichloromethane		1.1	*U*	1	*U*	1.1	*U*	0.67	*U*
Bromoform		1.8	*U*	1.7	*U*	1.8	*U*	1	*U*
Bromomethane		0.66	*U*	0.66	*U*	0.67	*U*	0.39	*U*
Carbon disulfide		2.4	*D*	0.53	*U*	0.53	*U*	0.31	
Carbon tetrachloride		0.27	*U*	0.27	*U*	0.27	*U*	0.16	*U*
Chlorobenzene		0.78	*U*	0.78	*U*	0.79	*U*	0.46	*U*
Chloroethane		0.45	*U*	0.45	*U*	0.45	*U*	0.26	*U*
Chloroform		0.83	*U*	0.83	*U*	0.84	*U*	0.49	*U*
Chloromethane		0.35	*U*	0.35	*U*	0.35	*U*	0.21	*U*
cis-1,2-Dichloroethene		0.67	*U*	0.67	*U*	0.68	*U*	0.4	*U*
cis-1,3-Dichloropropene		0.77	*U*	0.77	*U*	0.78	*U*	0.45	*U*
Cyclohexane		0.58	*U*	0.58	*U*	0.59	*U*	0.34	*U*
Dibromochloromethane		1.4	*U*	1.4	*U*	1.4	*U*	0.85	*U*
Dichlorodifluoromethane		1.8	*D*	2.2	*D*	2	*D*	0.49	*U*
Ethyl Acetate		1.2	*U*	1.2	*U*	1.2	*U*	0.72	*U*
Ethylbenzene		4.4	*D*	1.9	*D*	3.3	*D*	0.43	*U*
Hexachlorobutadiene		1.8	*U*	1.8	*U*	1.8	*U*	1.1	*U*
Isopropanol		0.83	*U*	0.83	*U*	0.84	*U*	0.49	*U*
Methyl Methacrylate		0.69	*U*	0.69	*U*	0.7	*U*	0.41	*U*
Methyl tert butyl ether		2.9	*D*	0.67	*D*	0.62	*U*	0.36	*U*
Methylene chloride		3.6	*D*	7.7	*D*	1.2	*U*	0.69	*U*
Naphthalene		*NA*		*NA*		*NA*		5.2	*U*
n-Heptane		2.2	*D*	2.4	*D*	3.2	*D*	0.41	*U*
n-Hexane		2.9	*D*	3.8	*D*	3.9	*D*	0.39	
o-Xylene		8	*D*	2.8	*D*	4.4	*D*	0.43	*U*
p/m-Xylene		17	*D*	7	*D*	13	*D*	0.87	*U*
p-Ethyltoluene		5.2	*D*	1.3	*D*	1.7	*D*	0.49	*U*
Propylene		0.29	*U*	1.7	*D*	0.29	*U*	5.1	
Styrene		0.72	*U*	0.72	*U*	0.73	*U*	0.43	*U*
Tetrachloroethene		19	*D*	210	*D*	0.29	*U*	0.47	
Tetrahydrofuran		1	*U*	1	*U*	1	*U*	0.59	*U*
Toluene		22	*D*	14	*D*	26	*D*	0.38	*U*
trans-1,2-Dichloroethene		0.67	*U*	0.67	*U*	0.68	*U*	0.4	*U*
trans-1,3-Dichloropropene		0.77	*U*	0.77	*U*	0.78	*U*	0.45	*U*
Trichloroethene		0.23	*U*	0.23	*U*	0.23	*U*	0.13	*U*
Trichlorofluoromethane		1	*D*	1	*D*	1.3	*D*	0.56	*U*
Vinyl acetate		0.6	*U*	0.6	*U*	0.6	*U*	0.35	*U*
Vinyl bromide		0.74	*U*	0.74	*U*	0.75	*U*	0.44	*U*
Vinyl chloride		0.43	*U*	0.43	*U*	0.44	*U*	0.26	*U*

Detected concentrations
Relatively elevated concentrations

Notes: NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank

Table 1: VOCs in Soil Vapor
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/m³	**Sample ID**	**2SV-02**		**2SV-03**		**2SV-04**		**2SV-05**	
U= Not Detected (≥ indicated value)	Sample Date	(2016-10-26)		(2016-10-26)		(2016-11-02)		(2016-10-26)	
Data above AGVs shown in **Bold**	Dilution Factor	1		1		24		1	
VOCs, TO-15		*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane		0.69	*U*	0.69	*U*	16	*U*	0.69	*U*
1,1,1-Trichloroethane		0.55	*U*	0.55	*U*	13	*U*	0.55	*U*
1,1,2,2-Tetrachloroethane		0.69	*U*	0.69	*U*	16	*U*	0.69	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane		0.77	*U*	0.77	*U*	18	*U*	0.77	*U*
1,1,2-Trichloroethane		0.55	*U*	0.55	*U*	13	*U*	0.55	*U*
1,1-Dichloroethane		0.4	*U*	0.4	*U*	9.7	*U*	0.4	*U*
1,1-Dichloroethene		0.4	*U*	0.4	*U*	9.5	*U*	0.4	*U*
1,2,4-Trichlorobenzene		0.74	*U*	0.74	*U*	18	*U*	0.74	*U*
1,2,4-Trimethylbenzene		0.49	*U*	0.49	*U*	12	*U*	0.49	*U*
1,2-Dibromoethane		0.77	*U*	0.77	*U*	18	*U*	0.77	*U*
1,2-Dichlorobenzene		0.6	*U*	0.6	*U*	14	*U*	0.6	*U*
1,2-Dichloroethane		0.4	*U*	0.4	*U*	9.7	*U*	0.4	*U*
1,2-Dichloropropane		0.46	*U*	0.46	*U*	11	*U*	0.46	*U*
1,2-Dichlorotetrafluoroethane		0.7	*U*	0.7	*U*	17	*U*	0.7	*U*
1,3,5-Trimethylbenzene		0.49	*U*	0.49	*U*	12	*U*	0.49	*U*
1,3-Butadiene		0.66	*U*	0.66	*U*	16	*U*	0.66	*U*
1,3-Dichlorobenzene		0.6	*U*	0.6	*U*	14	*U*	0.6	*U*
1,3-Dichloropropane		0.46	*U*	0.46	*U*	11	*U*	0.46	*U*
1,4-Dichlorobenzene		0.6	*U*	0.6	*U*	14	*U*	0.6	*U*
1,4-Dioxane		0.72	*U*	0.72	*U*	17	*U*	0.72	*U*
2-Butanone		7		5		210	*D*	0.59	
2-Hexanone		0.82	*U*	0.82	*U*	20	*U*	0.82	*U*
3-Chloropropene		1.6	*U*	1.6	*U*	38	*U*	1.6	*U*
4-Methyl-2-pentanone		0.94		0.41	*U*	9.8	*U*	0.41	*U*
Acetone		4.2		0.97		110	*D*	0.48	*U*
Acrylonitrile		0.22	*U*	0.22	*U*	5.2	*U*	0.22	*U*
Benzene		0.32	*U*	0.32	*U*	7.7	*U*	0.32	*U*
Benzyl chloride		0.52	*U*	0.52	*U*	12	*U*	0.52	*U*
Bromodichloromethane		0.67	*U*	0.67	*U*	16	*U*	0.67	*U*
Bromoform		1	*U*	1	*U*	25	*U*	1	*U*
Bromomethane		0.39	*U*	0.39	*U*	9.3	*U*	0.39	*U*
Carbon disulfide		0.5		0.31	*U*	7.5	*U*	0.31	*U*
Carbon tetrachloride		0.16	*U*	0.16	*U*	3.8	*U*	0.16	*U*
Chlorobenzene		0.46	*U*	0.46	*U*	11	*U*	0.46	*U*
Chloroethane		0.26	*U*	0.26	*U*	6.3	*U*	0.26	*U*
Chloroform		0.49	*U*	0.49	*U*	27	*D*	0.49	*U*
Chloromethane		0.21	*U*	0.21	*U*	5	*U*	0.21	*U*
cis-1,2-Dichloroethene		0.4	*U*	0.4	*U*	9.5	*U*	0.4	*U*
cis-1,3-Dichloropropene		0.45	*U*	0.45	*U*	11	*U*	0.45	*U*
Cyclohexane		0.34	*U*	0.34	*U*	8.3	*U*	0.34	*U*
Dibromochloromethane		0.85	*U*	0.85	*U*	20	*U*	0.85	*U*
Dichlorodifluoromethane		2.5		0.49	*U*	12	*U*	0.49	*U*
Ethyl Acetate		0.72	*U*	0.72	*U*	17	*U*	0.72	*U*
Ethylbenzene		0.43	*U*	0.43	*U*	10	*U*	0.43	*U*
Hexachlorobutadiene		1.1	*U*	1.1	*U*	26	*U*	1.1	*U*
Isopropanol		0.49	*U*	0.49	*U*	12	*U*	0.49	*U*
Methyl Methacrylate		0.41	*U*	0.41	*U*	9.8	*U*	0.41	*U*
Methyl tert butyl ether		0.36	*U*	0.36	*U*	8.7	*U*	0.36	*U*
Methylene chloride		2.6		0.69	*U*	17	*D*	0.69	*U*
Naphthalene		5.2	*U*	5.2	*U*	130	*U*	5.2	*U*
n-Heptane		0.41	*U*	0.41	*U*	9.8	*U*	0.41	*U*
n-Hexane		3.2		0.63		8.5	*U*	0.35	*U*
o-Xylene		0.43	*U*	0.43	*U*	10	*U*	0.43	*U*
p/m-Xylene		0.87	*U*	0.87	*U*	21	*U*	0.87	*U*
p-Ethyltoluene		0.49	*U*	0.49	*U*	12	*U*	0.49	*U*
Propylene		3.7		1.2		32	*D*	0.26	
Styrene		0.43	*U*	0.43	*U*	10	*U*	0.43	*U*
Tetrachloroethene		1.6		0.17	*U*	4.1	*U*	0.17	*U*
Tetrahydrofuran		0.59	*U*	0.59	*U*	14	*U*	0.59	*U*
Toluene		0.41		0.38	*U*	9	*U*	0.38	*U*
trans-1,2-Dichloroethene		0.4	*U*	0.4	*U*	9.5	*U*	0.4	*U*
trans-1,3-Dichloropropene		0.45	*U*	0.45	*U*	11	*U*	0.45	*U*
Trichloroethene		0.13	*U*	0.13	*U*	3.2	*U*	0.13	*U*
Trichlorofluoromethane		0.56	*U*	0.56	*U*	13	*U*	0.56	*U*
Vinyl acetate		0.35	*U*	0.35	*U*	8.5	*U*	0.35	*U*
Vinyl bromide		0.44	*U*	0.44	*U*	10	*U*	0.44	*U*
Vinyl chloride		0.26	*U*	0.26	*U*	6.1	*U*	0.26	*U*

Detected concentrations
Relatively elevated concentrations

Notes: NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank

Table 1: VOCs in Soil Vapor
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/m³	**Sample ID**	**2SV-06**		**2SV-07**		**2SV-08**	
U= Not Detected (≥ indicated value)	Sample Date	(2016-10-26)		(2016-10-26)		(2016-10-26)	
Data above AGVs shown in **Bold**	Dilution Factor	1		1		1	
VOCs, TO-15		*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane		0.69	*U*	0.69	*U*	0.69	*U*
1,1,1-Trichloroethane		0.55	*U*	0.55	*U*	0.55	*U*
1,1,2,2-Tetrachloroethane		0.69	*U*	0.69	*U*	0.69	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane		0.77	*U*	0.77	*U*	0.77	*U*
1,1,2-Trichloroethane		0.55	*U*	0.55	*U*	0.55	*U*
1,1-Dichloroethane		0.4	*U*	0.4	*U*	0.4	*U*
1,1-Dichloroethene		0.4	*U*	0.4	*U*	0.4	*U*
1,2,4-Trichlorobenzene		0.74	*U*	0.74	*U*	0.74	*U*
1,2,4-Trimethylbenzene		0.49	*U*	0.49	*U*	0.49	*U*
1,2-Dibromoethane		0.77	*U*	0.77	*U*	0.77	*U*
1,2-Dichlorobenzene		0.6	*U*	0.6	*U*	0.6	*U*
1,2-Dichloroethane		0.4	*U*	0.4	*U*	0.4	*U*
1,2-Dichloropropane		0.46	*U*	0.46	*U*	0.46	*U*
1,2-Dichlorotetrafluoroethane		0.7	*U*	0.7	*U*	0.7	*U*
1,3,5-Trimethylbenzene		0.49	*U*	0.49	*U*	0.49	*U*
1,3-Butadiene		0.66	*U*	0.66	*U*	0.66	*U*
1,3-Dichlorobenzene		0.6	*U*	0.6	*U*	0.6	*U*
1,3-Dichloropropane		0.46	*U*	0.46	*U*	0.46	*U*
1,4-Dichlorobenzene		0.6	*U*	0.6	*U*	0.6	*U*
1,4-Dioxane		0.72	*U*	0.72	*U*	0.72	*U*
2-Butanone		0.35		5.2		0.29	*U*
2-Hexanone		0.82	*U*	0.82	*U*	0.82	*U*
3-Chloropropene		1.6	*U*	1.6	*U*	1.6	*U*
4-Methyl-2-pentanone		0.41	*U*	0.41	*U*	0.41	*U*
Acetone		2.3		1.7		4.8	
Acrylonitrile		0.22	*U*	0.22	*U*	0.22	*U*
Benzene		0.32	*U*	0.32	*U*	0.32	*U*
Benzyl chloride		0.52	*U*	0.52	*U*	0.52	*U*
Bromodichloromethane		0.67	*U*	0.67	*U*	0.67	*U*
Bromoform		1	*U*	1	*U*	1	*U*
Bromomethane		0.39	*U*	0.39	*U*	0.39	*U*
Carbon disulfide		0.31	*U*	0.31	*U*	0.31	*U*
Carbon tetrachloride		0.16	*U*	0.16	*U*	0.16	*U*
Chlorobenzene		0.46	*U*	0.46	*U*	2.3	
Chloroethane		0.26	*U*	0.26	*U*	0.26	*U*
Chloroform		0.49	*U*	0.49	*U*	0.49	*U*
Chloromethane		0.21	*U*	0.21	*U*	0.21	*U*
cis-1,2-Dichloroethene		0.4	*U*	0.4	*U*	0.4	*U*
cis-1,3-Dichloropropene		0.45	*U*	0.45	*U*	0.45	*U*
Cyclohexane		0.86		0.34	*U*	0.41	
Dibromochloromethane		0.85	*U*	0.85	*U*	0.85	*U*
Dichlorodifluoromethane		0.49	*U*	0.49	*U*	0.49	*U*
Ethyl Acetate		0.72	*U*	0.72	*U*	0.72	*U*
Ethylbenzene		0.43	*U*	0.43	*U*	0.43	*U*
Hexachlorobutadiene		1.1	*U*	1.1	*U*	1.1	*U*
Isopropanol		0.49	*U*	0.49	*U*	0.49	*U*
Methyl Methacrylate		0.41	*U*	0.41	*U*	0.41	*U*
Methyl tert butyl ether		0.36	*U*	0.36	*U*	0.36	*U*
Methylene chloride		0.69	*U*	0.69	*U*	0.69	*U*
Naphthalene		5.2	*U*	5.2	*U*	5.2	*U*
n-Heptane		0.41	*U*	0.41	*U*	0.41	*U*
n-Hexane		0.6		0.63		0.49	
o-Xylene		0.43	*U*	0.43	*U*	0.43	*U*
p/m-Xylene		0.87	*U*	0.87	*U*	0.96	
p-Ethyltoluene		0.49	*U*	0.49	*U*	0.49	*U*
Propylene		9		1.6		0.33	
Styrene		0.43	*U*	0.43	*U*	0.43	*U*
Tetrachloroethene		0.17	*U*	0.2		38	
Tetrahydrofuran		0.59	*U*	0.59	*U*	0.59	*U*
Toluene		0.38	*U*	0.38	*U*	1.1	
trans-1,2-Dichloroethene		0.4	*U*	0.4	*U*	0.4	*U*
trans-1,3-Dichloropropene		0.45	*U*	0.45	*U*	0.45	*U*
Trichloroethene		0.13	*U*	0.13	*U*	2.4	
Trichlorofluoromethane		0.56	*U*	0.56	*U*	0.56	*U*
Vinyl acetate		0.35	*U*	0.35	*U*	0.35	*U*
Vinyl bromide		0.44	*U*	0.44	*U*	0.44	*U*
Vinyl chloride		0.26	*U*	0.26	*U*	0.26	*U*

Detected concentrations
Relatively elevated concentrations

Notes: NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank

Table 2: VOCs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**TP-03**		**TP-05**		**TP-06**		**TP-10**	
U= Not Detected (≥ indicated value)		Sample Date	(2015-05-26)		(2015-05-26)		(2015-05-26)		(2015-05-26)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,1,1-Trichloroethane	0.68	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,1,2-Trichloroethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,1-Dichloroethane	0.27	26	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2,3-Trichloropropane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0037	*J*	0.0026	*U*	0.0056		0.0041	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2-Dibromoethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2-Dichlorobenzene	1.1	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2-Dichloroethane	0.2	31	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2-Dichloropropane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,3-Dichlorobenzene	2.4	49	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,4-Dichlorobenzene	1.8	13	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,4-Dioxane	0.1	13	0.045	*U*	0.051	*U*	0.054	*U*	0.082	*U*
2-Butanone (MEK)	0.12	100	0.019		0.015		0.0042	*J*	0.0041	*U*
2-Hexanone	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
4-Methyl-2-pentanone	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Acetone	0.05	100	0.094		0.06		0.028		0.011	*JB*
Acrolein	NA	NA	0.0045	*U*	0.0051	*U*	0.0054	*U*	0.0082	*U*
Acrylonitrile	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Benzene	0.06	48	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Bromochloromethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Bromodichloromethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Bromoform	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Bromomethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Carbon disulfide	NA	NA	0.0042	*J*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Carbon tetrachloride	0.76	24	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Chlorobenzene	1.1	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Chloroethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Chloroform	0.37	49	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Chloromethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Cyclohexane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Dibromochloromethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Dibromomethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Dichlorodifluoromethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Ethyl Benzene	1	41	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Hexachlorobutadiene	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Isopropylbenzene	2.3	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Methyl acetate	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Methylcyclohexane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Methylene chloride	0.05	500	0.0045	*U*	0.0051	*U*	0.0054	*U*	0.0082	*U*
n-Butylbenzene	12	100	0.0023	*U*	0.0026	*U*	0.0092		0.0041	*U*
n-Propylbenzene	3.9	100	0.0023	*U*	0.0026	*U*	0.0028	*J*	0.0041	*U*
o-Xylene	0.26	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
p- & m- Xylenes	0.26	100	0.0045	*U*	0.0051	*U*	0.0054	*U*	0.0082	*U*
p-Isopropyltoluene	10	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
sec-Butylbenzene	11	100	0.014		0.0026	*U*	0.015		0.0041	*U*
Styrene	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0082	*U*
tert-Butylbenzene	5.9	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Toluene	0.7	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Trichloroethylene (TCE)	0.47	21	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Trichlorofluoromethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Vinyl chloride (VC)	0.02	0.9	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Xylenes, Total	0.26	100	0.0068	*U*	0.0077	*U*	0.0081	*U*	0.012	*U*
		8260 list VOCs	0.135		0.075		0.065		0.011	
Total Values		**TICs and unknown**	*NA*		*NA*		*NA*		*NA*	
		All VOCS	**0.135**		**0.075**		**0.065**		**0.011**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: VOCs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**TP-12**		**SB-01 8-10**		**SB-02 6-8**		**SB-03 8-10**	
U= Not Detected (≥ indicated value)		Sample Date	(2015-05-26)		(2016-02-18)		(2016-02-18)		(2016-02-18)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		100	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,1,1-Trichloroethane	0.68	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,1,2-Trichloroethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,1-Dichloroethane	0.27	26	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,2,3-Trichloropropane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,2-Dibromoethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,2-Dichlorobenzene	1.1	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,2-Dichloroethane	0.2	31	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,2-Dichloropropane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,3-Dichlorobenzene	2.4	49	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,4-Dichlorobenzene	1.8	13	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
1,4-Dioxane	0.1	13	0.068	*U*	0.056	*U*	0.052	*U*	4.3	*U*
2-Butanone (MEK)	0.12	100	0.0034	*U*	0.0074		0.0037	*J*	0.21	*U*
2-Hexanone	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
4-Methyl-2-pentanone	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Acetone	0.05	100	0.0093	*JB*	0.031		0.017		0.43	*U*
Acrolein	NA	NA	0.0068	*U*	0.0056	*U*	0.0052	*U*	0.43	*U*
Acrylonitrile	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Benzene	0.06	48	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Bromochloromethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Bromodichloromethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Bromoform	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Bromomethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Carbon disulfide	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Carbon tetrachloride	0.76	24	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Chlorobenzene	1.1	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Chloroethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Chloroform	0.37	49	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Chloromethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Cyclohexane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Dibromochloromethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Dibromomethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Dichlorodifluoromethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Ethyl Benzene	1	41	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Hexachlorobutadiene	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Isopropylbenzene	2.3	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Methyl acetate	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Methylcyclohexane	NA	NA	0.0034	*U*	0.0028	*U*	0.0039	*J*	0.21	*U*
Methylene chloride	0.05	500	0.0068	*U*	0.0056	*U*	0.0052	*U*	0.43	*U*
n-Butylbenzene	12	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
n-Propylbenzene	3.9	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
o-Xylene	0.26	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
p- & m- Xylenes	0.26	100	0.0068	*U*	0.0056	*U*	0.0052	*U*	0.43	*U*
p-Isopropyltoluene	10	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
sec-Butylbenzene	11	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Styrene	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0068	*U*	0.0028	*U*	0.0052	*U*	0.43	*U*
tert-Butylbenzene	5.9	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Toluene	0.7	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Trichloroethylene (TCE)	0.47	21	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Trichlorofluoromethane	NA	NA	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Vinyl chloride (VC)	0.02	0.9	0.0034	*U*	0.0028	*U*	0.0026	*U*	0.21	*U*
Xylenes, Total	0.26	100	0.01	*U*	0.0084	*U*	0.0079	*U*	0.64	*U*
		8260 list VOCs	0.009		0.038		0.025		ND	
Total Values		**TICs and unknown**	*NA*		0.897		1.898		61.8	
		All VOCS	**0.009**		**0.94**		**1.92**		**61.800**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: VOCs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**SB-04 6-8**		**SB-05 8-10**		**SB-06 8-10**		**2SB-01 5-7**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-02-18)		(2016-02-18)		(2016-02-18)		(2016-10-24)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		100	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,1,1-Trichloroethane	0.68	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,1,2-Trichloroethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,1-Dichloroethane	0.27	26	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,2,3-Trichloropropane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.38	*JD*
1,2-Dibromo-3-chloropropane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,2-Dibromoethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,2-Dichlorobenzene	1.1	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,2-Dichloroethane	0.2	31	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,2-Dichloropropane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,3-Dichlorobenzene	2.4	49	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,4-Dichlorobenzene	1.8	13	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
1,4-Dioxane	0.1	13	0.043	*U*	0.05	*U*	0.047	*U*	4.3	*U*
2-Butanone (MEK)	0.12	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
2-Hexanone	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
4-Methyl-2-pentanone	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Acetone	0.05	100	0.0043	*U*	0.0068	*J*	0.0047	*U*	0.43	*U*
Acrolein	NA	NA	0.0043	*U*	0.005	*U*	0.0047	*U*	0.43	*U*
Acrylonitrile	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Benzene	0.06	48	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Bromochloromethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Bromodichloromethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Bromoform	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Bromomethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Carbon disulfide	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Carbon tetrachloride	0.76	24	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Chlorobenzene	1.1	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Chloroethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Chloroform	0.37	49	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Chloromethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Cyclohexane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Dibromochloromethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Dibromomethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Dichlorodifluoromethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Ethyl Benzene	1	41	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.59	*D*
Hexachlorobutadiene	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Isopropylbenzene	2.3	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	1.7	*D*
Methyl acetate	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Methylcyclohexane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Methylene chloride	0.05	500	0.0043	*U*	0.005	*U*	0.0047	*U*	0.43	*U*
n-Butylbenzene	12	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	3.7	*D*
n-Propylbenzene	3.9	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	8.0	*D*
o-Xylene	0.26	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
p- & m- Xylenes	0.26	100	0.0043	*U*	0.005	*U*	0.0047	*U*	0.43	*U*
p-Isopropyltoluene	10	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
sec-Butylbenzene	11	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	1.6	*D*
Styrene	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0043	*U*	0.005	*U*	0.0047	*U*	0.21	*U*
tert-Butylbenzene	5.9	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Toluene	0.7	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Trichloroethylene (TCE)	0.47	21	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Trichlorofluoromethane	NA	NA	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Vinyl chloride (VC)	0.02	0.9	0.0021	*U*	0.0025	*U*	0.0023	*U*	0.21	*U*
Xylenes, Total	0.26	100	0.0064	*U*	0.0075	*U*	0.007	*U*	0.64	*U*
		8260 list VOCs	ND		0.007		ND		16.0	
Total Values		**TICs and unknown**	ND		ND		ND		214.6	
		All VOCS	**ND**		**0.007**		**ND**		**230.6**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: VOCs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		Sample ID	2SB-01 9-11		2SB-02 5-7		2SB-02 9-11		2SB-03 5-7	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-24)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,1,1-Trichloroethane	0.68	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,1,2-Trichloroethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,1-Dichloroethane	0.27	26	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,2,3-Trichloropropane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,2-Dibromoethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,2-Dichlorobenzene	1.1	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,2-Dichloroethane	0.2	31	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,2-Dichloropropane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,3-Dichlorobenzene	2.4	49	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,4-Dichlorobenzene	1.8	13	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
1,4-Dioxane	0.1	13	0.061	*U*	0.048	*U*	0.048	*U*	0.033	*U*
2-Butanone (MEK)	0.12	100	0.0031	*U*	0.0045	*J*	0.0024	*U*	0.0016	*U*
2-Hexanone	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
4-Methyl-2-pentanone	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Acetone	0.05	100	0.0063	*J*	0.022		0.0048	*U*	0.016	
Acrolein	NA	NA	0.0061	*U*	0.0048	*U*	0.0048	*U*	0.0033	*U*
Acrylonitrile	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Benzene	0.06	48	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Bromochloromethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Bromodichloromethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Bromoform	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Bromomethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Carbon disulfide	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Carbon tetrachloride	0.76	24	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Chlorobenzene	1.1	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Chloroethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Chloroform	0.37	49	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Chloromethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Cyclohexane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Dibromochloromethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Dibromomethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Dichlorodifluoromethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Ethyl Benzene	1	41	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Hexachlorobutadiene	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Isopropylbenzene	2.3	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Methyl acetate	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Methylcyclohexane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Methylene chloride	0.05	500	0.023		0.0048	*U*	0.0048	*U*	0.0033	*U*
n-Butylbenzene	12	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
n-Propylbenzene	3.9	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
o-Xylene	0.26	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
p- & m- Xylenes	0.26	100	0.0061	*U*	0.0048	*U*	0.0048	*U*	0.0033	*U*
p-Isopropyltoluene	10	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
sec-Butylbenzene	11	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Styrene	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0031	*U*	0.004	*J*	0.0024	*U*	0.0016	*U*
tert-Butylbenzene	5.9	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Toluene	0.7	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Trichloroethylene (TCE)	0.47	21	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Trichlorofluoromethane	NA	NA	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Vinyl chloride (VC)	0.02	0.9	0.0031	*U*	0.0024	*U*	0.0024	*U*	0.0016	*U*
Xylenes, Total	0.26	100	0.0092	*U*	0.0072	*U*	0.0072	*U*	0.0049	*U*
Total Values		**8260 list VOCs**	0.029		0.031		ND		0.016	
		TICs and unknown	ND		0.1402		ND		0.8625	
		All VOCS	**0.029**		**0.171**		**ND**		**0.879**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: VOCs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		Sample ID	2SB-03 9-11		2SB-04 8-10		2SB-04 18-20		2SB-05 6-8	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-24)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,1,1-Trichloroethane	0.68	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,1,2-Trichloroethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,1-Dichloroethane	0.27	26	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,2,3-Trichloropropane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,2-Dibromoethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,2-Dichlorobenzene	1.1	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,2-Dichloroethane	0.2	31	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,2-Dichloropropane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,3-Dichlorobenzene	2.4	49	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,4-Dichlorobenzene	1.8	13	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
1,4-Dioxane	0.1	13	0.059	*U*	0.049	*U*	0.045	*U*	0.05	*U*
2-Butanone (MEK)	0.12	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
2-Hexanone	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
4-Methyl-2-pentanone	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Acetone	0.05	100	0.026		0.0064	*J*	0.01		0.016	
Acrolein	NA	NA	0.0059	*U*	0.0049	*U*	0.0045	*U*	0.005	*U*
Acrylonitrile	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Benzene	0.06	48	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Bromochloromethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Bromodichloromethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Bromoform	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Bromomethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Carbon disulfide	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Carbon tetrachloride	0.76	24	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Chlorobenzene	1.1	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Chloroethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Chloroform	0.37	49	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Chloromethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Cyclohexane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Dibromochloromethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Dibromomethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Dichlorodifluoromethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Ethyl Benzene	1	41	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Hexachlorobutadiene	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Isopropylbenzene	2.3	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Methyl acetate	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Methylcyclohexane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0047	*J*
Methylene chloride	0.05	500	0.0059	*U*	0.0049	*U*	0.0045	*U*	0.005	*U*
n-Butylbenzene	12	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
n-Propylbenzene	3.9	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
o-Xylene	0.26	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
p- & m- Xylenes	0.26	100	0.0059	*U*	0.0049	*U*	0.0045	*U*	0.005	*U*
p-Isopropyltoluene	10	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
sec-Butylbenzene	11	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0048	*J*
Styrene	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
tert-Butylbenzene	5.9	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Toluene	0.7	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Trichloroethylene (TCE)	0.47	21	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Trichlorofluoromethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Vinyl chloride (VC)	0.02	0.9	0.0029	*U*	0.0024	*U*	0.0022	*U*	0.0025	*U*
Xylenes, Total	0.26	100	0.0088	*U*	0.0073	*U*	0.0067	*U*	0.0075	*U*
		8260 list VOCs	0.026		0.006		0.010		0.026	
Total Values		**TICs and unknown**	1.2446		ND		ND		0.719	
		All VOCS	**1.271**		**0.006**		**0.010**		**0.745**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: VOCs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-05 9-11**		**2SB-06 4.5-6.5**		**2SB-06 10-12**		**2SB-07 4.5-6.5**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-24)		(2016-10-25)		(2016-10-25)		(2016-10-25)	
Data above SCOs shown in **Bold**		Dilution Factor	1		110		1		100	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,1,1-Trichloroethane	0.68	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,1,2-Trichloroethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,1-Dichloroethane	0.27	26	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,2,3-Trichloropropane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0024	*U*	0.002	*U*	0.0031	*U*	0.012	
1,2-Dibromo-3-chloropropane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,2-Dibromoethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,2-Dichlorobenzene	1.1	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,2-Dichloroethane	0.2	31	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,2-Dichloropropane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0026	*J*
1,3-Dichlorobenzene	2.4	49	0.0024	*U*	0.0024	*J*	0.0031	*U*	0.0037	*J*
1,4-Dichlorobenzene	1.8	13	0.0024	*U*	0.018		0.0031	*U*	0.013	
1,4-Dioxane	0.1	13	0.048	*U*	0.041	*U*	0.062	*U*	0.051	*U*
2-Butanone (MEK)	0.12	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0054	
2-Hexanone	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
4-Methyl-2-pentanone	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Acetone	0.05	100	0.0048	*U*	0.016		0.0067	*J*	0.031	
Acrolein	NA	NA	0.0048	*U*	0.0041	*U*	0.0062	*U*	0.0051	*U*
Acrylonitrile	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Benzene	0.06	48	0.0024	*U*	0.012		0.0031	*U*	0.016	
Bromochloromethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Bromodichloromethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Bromoform	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Bromomethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Carbon disulfide	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Carbon tetrachloride	0.76	24	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Chlorobenzene	1.1	100	0.0024	*U*	1.1	*D*	0.0031	*U*	1.7	*D*
Chloroethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Chloroform	0.37	49	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Chloromethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Cyclohexane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Dibromochloromethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Dibromomethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Dichlorodifluoromethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Ethyl Benzene	1	41	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Hexachlorobutadiene	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Isopropylbenzene	2.3	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Methyl acetate	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Methylcyclohexane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Methylene chloride	0.05	500	0.0048	*U*	0.0041	*U*	0.0062	*U*	0.0051	*U*
n-Butylbenzene	12	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
n-Propylbenzene	3.9	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0041	*J*
o-Xylene	0.26	100	0.0024	*U*	0.0022	*J*	0.0031	*U*	0.0065	
p- & m- Xylenes	0.26	100	0.0048	*U*	0.0041	*U*	0.0062	*U*	0.024	
p-Isopropyltoluene	10	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
sec-Butylbenzene	11	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Styrene	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
tert-Butylbenzene	5.9	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Toluene	0.7	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Trichloroethylene (TCE)	0.47	21	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Trichlorofluoromethane	NA	NA	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Vinyl chloride (VC)	0.02	0.9	0.0024	*U*	0.002	*U*	0.0031	*U*	0.0025	*U*
Xylenes, Total	0.26	100	0.0073	*U*	0.0061	*U*	0.0094	*U*	0.03	
		8260 list VOCs	ND		1.151		0.007		1.82	
Total Values		**TICs and unknown**	0.005		ND		ND		ND	
		All VOCS	**0.005**		**1.151**		**0.007**		**1.82**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: VOCs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-07 9-11**		**2SB-08 1-3**		**2SB-09 9-11**		**2SB-10 13-15**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,1,1-Trichloroethane	0.68	100	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,1,2-Trichloroethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,1-Dichloroethane	0.27	26	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,2,3-Trichloropropane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0033	*U*	0.033		0.0028	*U*	0.0029	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,2-Dibromoethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,2-Dichlorobenzene	1.1	100	0.0033	*U*	0.0036	*J*	0.0028	*U*	0.0029	*U*
1,2-Dichloroethane	0.2	31	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,2-Dichloropropane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0033	*U*	0.012		0.0028	*U*	0.0029	*U*
1,3-Dichlorobenzene	2.4	49	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
1,4-Dichlorobenzene	1.8	13	0.0033	*U*	0.0026	*J*	0.0028	*U*	0.0029	*U*
1,4-Dioxane	0.1	13	0.066	*U*	0.044	*U*	0.057	*U*	0.059	*U*
2-Butanone (MEK)	0.12	100	0.0033	*U*	0.0061		0.0028	*U*	0.0029	*U*
2-Hexanone	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
4-Methyl-2-pentanone	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Acetone	0.05	100	0.0085	*J*	0.027		0.0057	*U*	0.0071	*J*
Acrolein	NA	NA	0.0066	*U*	0.0044	*U*	0.0057	*U*	0.0059	*U*
Acrylonitrile	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Benzene	0.06	48	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Bromochloromethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Bromodichloromethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Bromoform	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Bromomethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Carbon disulfide	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Carbon tetrachloride	0.76	24	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Chlorobenzene	1.1	100	0.0033	*U*	0.06		0.0028	*U*	0.0029	*U*
Chloroethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Chloroform	0.37	49	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Chloromethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Cyclohexane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Dibromochloromethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Dibromomethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Dichlorodifluoromethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Ethyl Benzene	1	41	0.0033	*U*	0.0024	*J*	0.0028	*U*	0.0029	*U*
Hexachlorobutadiene	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Isopropylbenzene	2.3	100	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Methyl acetate	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Methylcyclohexane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Methylene chloride	0.05	500	0.0066	*U*	0.0044	*U*	0.0057	*U*	0.0059	*U*
n-Butylbenzene	12	100	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
n-Propylbenzene	3.9	100	0.0033	*U*	0.0046		0.0028	*U*	0.0029	*U*
o-Xylene	0.26	100	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
p- & m- Xylenes	0.26	100	0.0066	*U*	0.012		0.0057	*U*	0.0059	*U*
p-Isopropyltoluene	10	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
sec-Butylbenzene	11	100	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Styrene	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
tert-Butylbenzene	5.9	100	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Toluene	0.7	100	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Trichloroethylene (TCE)	0.47	21	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Trichlorofluoromethane	NA	NA	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Vinyl chloride (VC)	0.02	0.9	0.0033	*U*	0.0022	*U*	0.0028	*U*	0.0029	*U*
Xylenes, Total	0.26	100	0.01	*U*	0.012	*J*	0.0085	*U*	0.0088	*U*
		8260 list VOCs	0.009		0.163		ND		0.007	
Total Values		**TICs and unknown**	ND		0.054		0.009		ND	
		All VOCS	**0.009**		**0.217**		**0.009**		**0.007**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: VOCs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-11 12-14**		**2SB-12 4-6**		**2SB-13 8-10**		**2SB-14 12-14**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,1,1-Trichloroethane	0.68	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,1,2,2-Tetrachloroethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,1,2-Trichloroethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,1-Dichloroethane	0.27	26	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,2,3-Trichlorobenzene	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,2,3-Trichloropropane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,2,4-Trichlorobenzene	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,2,4-Trimethylbenzene	3.6	52	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,2-Dibromo-3-chloropropane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,2-Dibromoethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,2-Dichlorobenzene	1.1	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,2-Dichloroethane	0.2	31	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,2-Dichloropropane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,3,5-Trimethylbenzene	8.4	52	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,3-Dichlorobenzene	2.4	49	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,4-Dichlorobenzene	1.8	13	0.0026	U	0.0023	U	0.0021	U	0.0024	U
1,4-Dioxane	0.1	13	0.052	U	0.046	U	0.042	U	0.049	U
2-Butanone (MEK)	0.12	100	0.0026	U	0.0031	J	0.0036	J	0.0024	U
2-Hexanone	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
4-Methyl-2-pentanone	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Acetone	0.05	100	0.0088	J	0.011		0.017		0.023	
Acrolein	NA	NA	0.0052	U	0.0046	U	0.0042	U	0.0049	U
Acrylonitrile	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Benzene	0.06	48	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Bromochloromethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Bromodichloromethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Bromoform	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Bromomethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Carbon disulfide	NA	NA	0.0026	U	0.0023	U	0.0035	J	0.0024	U
Carbon tetrachloride	0.76	24	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Chlorobenzene	1.1	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Chloroethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Chloroform	0.37	49	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Chloromethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
cis-1,3-Dichloropropylene	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Cyclohexane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Dibromochloromethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Dibromomethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Dichlorodifluoromethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Ethyl Benzene	1	41	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Hexachlorobutadiene	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Isopropylbenzene	2.3	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Methyl acetate	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Methylcyclohexane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Methylene chloride	0.05	500	0.0052	U	0.0046	U	0.0042	U	0.0049	U
n-Butylbenzene	12	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
n-Propylbenzene	3.9	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
o-Xylene	0.26	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
p- & m- Xylenes	0.26	100	0.0052	U	0.0046	U	0.0042	U	0.0049	U
p-Isopropyltoluene	10	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
sec-Butylbenzene	11	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Styrene	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
tert-Butyl alcohol (TBA)	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
tert-Butylbenzene	5.9	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Tetrachloroethylene (PCE)	1.3	19	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Toluene	0.7	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0026	U	0.0023	U	0.0021	U	0.0024	U
trans-1,3-Dichloropropylene	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Trichloroethylene (TCE)	0.47	21	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Trichlorofluoromethane	NA	NA	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Vinyl chloride (VC)	0.02	0.9	0.0026	U	0.0023	U	0.0021	U	0.0024	U
Xylenes, Total	0.26	100	0.0078	U	0.0068	U	0.0063	U	0.0073	U
		8260 list VOCs	0.009		0.014		0.024		0.023	
Total Values		**TICs and unknown**	ND		ND		0.011		ND	
		All VOCS	**0.009**		**0.014**		**0.035**		**0.023**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: VOCs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-15 7-9**		**MW-01 6-8**		**MW-02 5.5-7.5**		**MW-03 8-10**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,1,1-Trichloroethane	0.68	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,1,2-Trichloroethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,1-Dichloroethane	0.27	26	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,2,3-Trichloropropane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,2-Dibromoethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,2-Dichlorobenzene	1.1	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,2-Dichloroethane	0.2	31	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,2-Dichloropropane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,3-Dichlorobenzene	2.4	49	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,4-Dichlorobenzene	1.8	13	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
1,4-Dioxane	0.1	13	0.058	*U*	0.048	*U*	0.05	*U*	0.05	*U*
2-Butanone (MEK)	0.12	100	0.0038	*J*	0.0029	*J*	0.0025	*U*	0.0025	*U*
2-Hexanone	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
4-Methyl-2-pentanone	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Acetone	0.05	100	0.039		0.022		0.005	*U*	0.005	*U*
Acrolein	NA	NA	0.0058	*U*	0.0048	*U*	0.005	*U*	0.005	*U*
Acrylonitrile	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Benzene	0.06	48	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Bromochloromethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Bromodichloromethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Bromoform	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Bromomethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Carbon disulfide	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Carbon tetrachloride	0.76	24	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Chlorobenzene	1.1	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Chloroethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Chloroform	0.37	49	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Chloromethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Cyclohexane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Dibromochloromethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Dibromomethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Dichlorodifluoromethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Ethyl Benzene	1	41	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Hexachlorobutadiene	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Isopropylbenzene	2.3	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Methyl acetate	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Methylcyclohexane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Methylene chloride	0.05	500	0.0058	*U*	0.0048	*U*	0.005	*U*	0.005	*U*
n-Butylbenzene	12	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
n-Propylbenzene	3.9	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
o-Xylene	0.26	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
p- & m- Xylenes	0.26	100	0.0058	*U*	0.0048	*U*	0.005	*U*	0.005	*U*
p-Isopropyltoluene	10	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
sec-Butylbenzene	11	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Styrene	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
tert-Butylbenzene	5.9	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Toluene	0.7	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Trichloroethylene (TCE)	0.47	21	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Trichlorofluoromethane	NA	NA	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Vinyl chloride (VC)	0.02	0.9	0.0029	*U*	0.0024	*U*	0.0025	*U*	0.0025	*U*
Xylenes, Total	0.26	100	0.0087	*U*	0.0072	*U*	0.0075	*U*	0.0075	*U*
		8260 list VOCs	0.043		0.025		ND		ND	
Total Values		**TICs and unknown**	0.951		1.11		0.052		0.012	
		All VOCS	**0.994**		**1.13**		**0.052**		**0.012**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: VOCs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**MW-04 6-8**		**MW-04 8-10**		**MW-05 5-7**		**MW-06 16-18**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,1,1-Trichloroethane	0.68	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,1,2-Trichloroethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,1-Dichloroethane	0.27	26	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,2,3-Trichloropropane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,2-Dibromoethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,2-Dichlorobenzene	1.1	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,2-Dichloroethane	0.2	31	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,2-Dichloropropane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,3-Dichlorobenzene	2.4	49	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,4-Dichlorobenzene	1.8	13	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
1,4-Dioxane	0.1	13	0.052	*U*	0.051	*U*	0.041	*U*	0.036	*U*
2-Butanone (MEK)	0.12	100	0.0026	*U*	0.0026	*U*	0.0023	*J*	0.0018	*U*
2-Hexanone	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
4-Methyl-2-pentanone	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Acetone	0.05	100	0.012		0.0051	*U*	0.01		0.0036	*U*
Acrolein	NA	NA	0.0052	*U*	0.0051	*U*	0.0041	*U*	0.0036	*U*
Acrylonitrile	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Benzene	0.06	48	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Bromochloromethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Bromodichloromethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Bromoform	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Bromomethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Carbon disulfide	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Carbon tetrachloride	0.76	24	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Chlorobenzene	1.1	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Chloroethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Chloroform	0.37	49	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Chloromethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Cyclohexane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Dibromochloromethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Dibromomethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Dichlorodifluoromethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Ethyl Benzene	1	41	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Hexachlorobutadiene	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Isopropylbenzene	2.3	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Methyl acetate	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Methylcyclohexane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Methylene chloride	0.05	500	0.0052	*U*	0.0051	*U*	0.0041	*U*	0.0036	*U*
n-Butylbenzene	12	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
n-Propylbenzene	3.9	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
o-Xylene	0.26	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
p- & m- Xylenes	0.26	100	0.0052	*U*	0.0051	*U*	0.0041	*U*	0.0036	*U*
p-Isopropyltoluene	10	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
sec-Butylbenzene	11	100	0.012		0.0026	*U*	0.002	*U*	0.0018	*U*
Styrene	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
tert-Butylbenzene	5.9	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Toluene	0.7	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Trichloroethylene (TCE)	0.47	21	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Trichlorofluoromethane	NA	NA	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Vinyl chloride (VC)	0.02	0.9	0.0026	*U*	0.0026	*U*	0.002	*U*	0.0018	*U*
Xylenes, Total	0.26	100	0.0078	*U*	0.0077	*U*	0.0061	*U*	0.0054	*U*
		8260 list VOCs	0.024		ND		0.012		ND	
Total Values		**TICs and unknown**	0.864		0.303		0.036		0.01	
		All VOCS	**0.888**		**0.303**		**0.048**		**0.01**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: VOCs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)			**Sample ID**	**Dup-20161026**
U= Not Detected (≥ indicated value)			Sample Date	(2016-10-26)
Data above SCOs shown in **Bold**			Dilution Factor	1
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0026	*U*
1,1,1-Trichloroethane	0.68	100	0.0026	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0026	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0026	*U*
1,1,2-Trichloroethane	NA	NA	0.0026	*U*
1,1-Dichloroethane	0.27	26	0.0026	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0026	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0026	*U*
1,2,3-Trichloropropane	NA	NA	0.0026	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0026	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0026	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0026	*U*
1,2-Dibromoethane	NA	NA	0.0026	*U*
1,2-Dichlorobenzene	1.1	100	0.0026	*U*
1,2-Dichloroethane	0.2	31	0.0026	*U*
1,2-Dichloropropane	NA	NA	0.0026	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0026	*U*
1,3-Dichlorobenzene	2.4	49	0.0026	*U*
1,4-Dichlorobenzene	1.8	13	0.0026	*U*
1,4-Dioxane	0.1	13	0.053	*U*
2-Butanone (MEK)	0.12	100	0.0026	*U*
2-Hexanone	NA	NA	0.0026	*U*
4-Methyl-2-pentanone	NA	NA	0.0026	*U*
Acetone	0.05	100	0.018	
Acrolein	NA	NA	0.0053	*U*
Acrylonitrile	NA	NA	0.0026	*U*
Benzene	0.06	48	0.0026	*U*
Bromochloromethane	NA	NA	0.0026	*U*
Bromodichloromethane	NA	NA	0.0026	*U*
Bromoform	NA	NA	0.0026	*U*
Bromomethane	NA	NA	0.0026	*U*
Carbon disulfide	NA	NA	0.0026	*U*
Carbon tetrachloride	0.76	24	0.0026	*U*
Chlorobenzene	1.1	100	0.0026	*U*
Chloroethane	NA	NA	0.0026	*U*
Chloroform	0.37	49	0.0026	*U*
Chloromethane	NA	NA	0.0026	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0026	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0026	*U*
Cyclohexane	NA	NA	0.0026	*U*
Dibromochloromethane	NA	NA	0.0026	*U*
Dibromomethane	NA	NA	0.0026	*U*
Dichlorodifluoromethane	NA	NA	0.0026	*U*
Ethyl Benzene	1	41	0.0026	*U*
Hexachlorobutadiene	NA	NA	0.0026	*U*
Isopropylbenzene	2.3	100	0.0026	*U*
Methyl acetate	NA	NA	0.0026	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0026	*U*
Methylcyclohexane	NA	NA	0.0026	*U*
Methylene chloride	0.05	500	0.0053	*U*
n-Butylbenzene	12	100	0.0026	*U*
n-Propylbenzene	3.9	100	0.0026	*U*
o-Xylene	0.26	100	0.0026	*U*
p- & m- Xylenes	0.26	100	0.0053	*U*
p-Isopropyltoluene	10	NA	0.0026	*U*
sec-Butylbenzene	11	100	0.0026	*U*
Styrene	NA	NA	0.0026	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0026	*U*
tert-Butylbenzene	5.9	100	0.0026	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0026	*U*
Toluene	0.7	100	0.0026	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0026	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0026	*U*
Trichloroethylene (TCE)	0.47	21	0.0026	*U*
Trichlorofluoromethane	NA	NA	0.0026	*U*
Vinyl chloride (VC)	0.02	0.9	0.0026	*U*
Xylenes, Total	0.26	100	0.0079	*U*
		8260 list VOCs	0.018	
Total Values		**TICs and unknown**	ND	
		All VOCS	**0.018**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 3: VOC TICs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

Sample ID	SB-01 8-10		SB-02 6-8		SB-03 8-10		SB-04 6-8		SB-05 8-10	
All data in mg/Kg (parts per million) Sample Date	(2016-02-18)		(2016-02-18)		(2016-02-18)		(2016-02-18)		(2016-02-18)	
Dilution Factor	1		1		100		1		1	
VOC TICs, 8260	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4,5-tetramethyl benzene										
1,2,4,5-tetramethylbenzene					5.4	*JDN*				
alkyl benzene isomers	0.045	*JN*	0.22	*JN*						
alkyl cyclohexane isomers	0.1	*JN*								
alkyl cyclohexane isomers										
alkyl indene isomers										
alkyl naphthalene isomers										
alkyl octane isomers										
bicyclo[2.2.1]heptan-2-one, 1,										
decahydro naphthalene isomer										
decane isomers										
dihydro methyl indene isomer										
dimethyl benzene isomer										
dimethyl cyclohexane isomer					2.5	*JDN*				
dimethyl decane isomer			0.088	*JN*						
dimethyl dodecane isomer										
dimethyl heptane isomer			0.086	*JN*						
dimethyl- heptane isomer										
dimethyl hexane isomers	0.11	*JN*			13	*JDN*				
dimethyl nonane isomer										
dimethyl octane isomer	0.043	*JN*								
dimethyl pentane isomer										
dimethyl pentane isomers										
dimethyl spiro isomers										
dimethyl undecane isomers										
dimethyl zinc isomer										
disilaundecane isomer										
ethanol										
ethyl dimethyl benzene isomer										
ethyl methyl benzene isomer										
furan isomer										
heptadecane isomer	0.045	*JN*								
heptane isomer										
indane isomer										
indene isomer										
indene isomers										
methyl (methylethyl) benzene isomer										
methyl dodecane isomer			0.091	*JN*						
methyl heptane isomer					5.4	*JDN*				
methyl hexane isomer			0.43	*JN*						
methyl hexane isomers										
methyl Indan isomer										
methyl nonane isomers					5.1	*JDN*				
methyl octane isomer										
methyl octane isomers					6.4	*JDN*				
methyl pentane isomer					16	*JDN*				
methylheptane isomers	0.17	*JN*								
methyl undecane isomer										
naphthalene										
nonane isomer										
norbornene isomer	0.054	*JN*	0.14	*JN*						
octahydro indene isomer			0.083	*JN*						
p-diethylbenzene					2.2	*JDN*				
propanoic acid, 2,2-dimethyl-,										
propanol isomer										
propenal isomer										
tentatively Identified compounds										
tetrahydro naphalene isomer										
tetratetracontane isomer										
trimethyl benzene isomer										
trimethyl cyclohexane isomer			0.1	*JN*						
trimethyl cyclopentane isomer										
trimethyl decane isomer										
trimethyl hexane isomer	0.11	*JN*			5.8	*JDN*				
trimethyl hexane isomers										
trimethyl octane isomer										
trimethyl pentane isomers	0.22	*JN*	0.41	*JN*						
trimethylpentane isomers										
trimethyl silane isomer										
undecane isomers			0.25	*JN*						
unknown aliphatic hydrocarbon isomer										
unknown hydrocarbon										
unknown siloxane isomer										
Total TICs	**0.897**		**1.90**		**61.8**		**ND**		**ND**	

Analyte Detected

Notes: ND = not detected
Result Qualifiers: J and JN = approximate D = diluted

Table 3: VOC TICs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

Sample ID	SB-06 8-10		2SB-01 5-7		2SB-01 9-11		2SB-02 5-7		2SB-02 9-11	
All data in mg/Kg (parts per million) Sample Date	(2016-02-18)		(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-24)	
Dilution Factor	1		100		1		1		1	
VOC TICs, 8260	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4,5-tetramethyl benzene										
1,2,4,5-tetramethylbenzene										
alkyl benzene isomers			38	*JDN*						
alkyl cyclohexane isomers							0.012	*JN*		
alkyl cyclohexane isomers										
alkyl indene isomers							0.019	*JN*		
alkyl naphthalene isomers										
alkyl octane isomers										
bicyclo[2.2.1]heptan-2-one, 1,							0.012	*JN*		
decahydro naphthalene isomer										
decane isomers										
dihydro methyl indene isomer										
dimethyl benzene isomer										
dimethyl cyclohexane isomer										
dimethyl decane isomer										
dimethyl dodecane isomer										
dimethyl heptane isomer							0.0055	*JN*		
dimethyl- heptane isomer										
dimethyl hexane isomers			24	*JDN*			0.017	*JN*		
dimethyl nonane isomer										
dimethyl octane isomer										
dimethyl pentane isomer			7.7	*JDN*						
dimethyl pentane isomers										
dimethyl spiro isomers										
dimethyl undecane isomers										
dimethyl zinc isomer										
disilaundecane isomer										
ethanol										
ethyl dimethyl benzene isomer							0.0055	*JN*		
ethyl methyl benzene isomer										
furan isomer										
heptadecane isomer										
heptane isomer										
indane isomer										
indene isomer			5.8	*JDN*						
indene isomers										
methyl (methylethyl) benzene isomer										
methyl dodecane isomer										
methyl heptane isomer			20	*JDN*						
methyl hexane isomer			7.1	*JDN*						
methyl hexane isomers										
methyl Indan isomer										
methyl nonane isomers										
methyl octane isomer										
methyl octane isomers			15	*JDN*						
methyl pentane isomer										
methylheptane isomers										
methyl undecane isomer										
naphthalene			4.4	*JDN*			0.0078	*JN*		
nonane isomer										
norbornene isomer										
octahydro indene isomer										
p-diethylbenzene			2.6	*JDN*			0.0073	*JN*		
propanoic acid, 2,2-dimethyl-,										
propanol isomer										
propenal isomer										
tentatively Identified compounds										
tetrahydro naphalene isomer							0.013	*JN*		
tetratetracontane isomer										
trimethyl benzene isomer										
trimethyl cyclohexane isomer										
trimethyl cyclopentane isomer										
trimethyl decane isomer										
trimethyl hexane isomer			17	*JDN*			0.0061	*JN*		
trimethyl hexane isomers										
trimethyl octane isomer										
trimethyl pentane isomers			73	*JDN*						
trimethylpentane isomers							0.035	*JN*		
trimethyl silane isomer										
undecane isomers										
unknown aliphatic hydrocarbon isomer										
unknown hydrocarbon										
unknown siloxane isomer										
Total TICs	**ND**		**215**		**ND**		**0.140**		**ND**	

Analyte Detected

Notes: ND = not detected
Result Qualifiers: J and JN = approximate D = diluted

Table 3: VOC TICs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

Sample ID	2SB-03 5-7		2SB-03 9-11		2SB-04 8-10		2SB-04 18-20		2SB-05 6-8	
All data in mg/Kg (parts per million) Sample Date	(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-24)	
Dilution Factor	1		1		1		1		1	
VOC TICs, 8260	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4,5-tetramethyl benzene									0.081	*JN*
1,2,4,5-tetramethylbenzene	0.087	*JN*								
alkyl benzene isomers									0.055	*JN*
alkyl cyclohexane isomers										
alkyl cyclohexane isomers										
alkyl indene isomers										
alkyl naphthalene isomers										
alkyl octane isomers										
bicyclo[2.2.1]heptan-2-one, 1,										
decahydro naphthalene isomer										
decane isomers										
dihydro methyl indene isomer										
dimethyl benzene isomer										
dimethyl cyclohexane isomer									0.024	*JN*
dimethyl decane isomer										
dimethyl dodecane isomer										
dimethyl heptane isomer									0.029	*JN*
dimethyl- heptane isomer			0.036	*JN*						
dimethyl hexane isomers	0.074	*JN*	0.19	*JN*						
dimethyl nonane isomer										
dimethyl octane isomer										
dimethyl pentane isomer									0.046	*JN*
dimethyl pentane isomers	0.093	*JN*	0.11	*JN*						
dimethyl spiro isomers										
dimethyl undecane isomers			0.074	*JN*						
dimethyl zinc isomer										
disilaundecane isomer										
ethanol										
ethyl dimethyl benzene isomer										
ethyl methyl benzene isomer										
furan isomer										
heptadecane isomer										
heptane isomer										
indane isomer										
indene isomer										
indene isomers									0.071	*JN*
methyl (methylethyl) benzene isomer										
methyl dodecane isomer										
methyl heptane isomer										
methyl hexane isomer										
methyl hexane isomers									0.11	*JN*
methyl Indan isomer										
methyl nonane isomers										
methyl octane isomer									0.03	*JN*
methyl octane isomers										
methyl pentane isomer									0.034	*JN*
methylheptane isomers										
methyl undecane isomer										
naphthalene										
nonane isomer										
norbornene isomer										
octahydro indene isomer										
p-diethylbenzene	0.0045	*JN*	0.0076	*JN*					0.029	*JN*
propanoic acid, 2,2-dimethyl-,										
propanol isomer										
propenal isomer										
tentatively Identified compounds										
tetrahydro naphalene isomer										
tetratetracontane isomer	0.019	*JN*								
trimethyl benzene isomer										
trimethyl cyclohexane isomer										
trimethyl cyclopentane isomer	0.017	*JN*								
trimethyl decane isomer	0.023	*JN*	0.048	*JN*						
trimethyl hexane isomer	0.1	*JN*								
trimethyl hexane isomers			0.19	*JN*						
trimethyl octane isomer			0.029	*JN*						
trimethyl pentane isomers	0.42	*JN*	0.56	*JN*					0.21	*J*
trimethylpentane isomers										
trimethyl silane isomer										
undecane isomers										
unknown aliphatic hydrocarbon isomer										
unknown hydrocarbon	0.025	*JN*								
unknown siloxane isomer										
Total TICs	**0.863**		**1.24**		**ND**		**ND**		**0.719**	

Analyte Detected

Notes: ND = not detected
Result Qualifiers: J and JN = approximate D = diluted

Table 3: VOC TICs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

Sample ID	2SB-05 9-11		2SB-06 4.5-6.5		2SB-06 10-12		2SB-07 4.5-6.5		2SB-07 9-11	
All data in mg/Kg (parts per million) Sample Date	(2016-10-24)		(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)	
Dilution Factor	1		110		1		100		1	
VOC TICs, 8260	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4,5-tetramethyl benzene										
1,2,4,5-tetramethylbenzene										
alkyl benzene isomers										
alkyl cyclohexane isomers										
alkyl cyclohexane isomers										
alkyl indene isomers										
alkyl naphthalene isomers										
alkyl octane isomers										
bicyclo[2.2.1]heptan-2-one, 1,										
decahydro naphthalene isomer										
decane isomers										
dihydro methyl indene isomer										
dimethyl benzene isomer										
dimethyl cyclohexane isomer										
dimethyl decane isomer										
dimethyl dodecane isomer										
dimethyl heptane isomer										
dimethyl- heptane isomer										
dimethyl hexane isomers										
dimethyl nonane isomer										
dimethyl octane isomer										
dimethyl pentane isomer										
dimethyl pentane isomers										
dimethyl spiro isomers										
dimethyl undecane isomers										
dimethyl zinc isomer										
disilaundecane isomer										
ethanol										
ethyl dimethyl benzene isomer										
ethyl methyl benzene isomer										
furan isomer										
heptadecane isomer										
heptane isomer										
indane isomer										
indene isomer										
indene isomers										
methyl (methylethyl) benzene isomer										
methyl dodecane isomer										
methyl heptane isomer										
methyl hexane isomer										
methyl hexane isomers										
methyl Indan isomer										
methyl nonane isomers										
methyl octane isomer										
methyl octane isomers										
methyl pentane isomer										
methylheptane isomers										
methyl undecane isomer										
naphthalene										
nonane isomer										
norbornene isomer										
octahydro indene isomer										
p-diethylbenzene	0.005	*JN*								
propanoic acid, 2,2-dimethyl-,										
propanol isomer										
propenal isomer										
tentatively Identified compounds										
tetrahydro naphalene isomer										
tetratetracontane isomer										
trimethyl benzene isomer										
trimethyl cyclohexane isomer										
trimethyl cyclopentane isomer										
trimethyl decane isomer										
trimethyl hexane isomer										
trimethyl hexane isomers										
trimethyl octane isomer										
trimethyl pentane isomers										
trimethylpentane isomers										
trimethyl silane isomer										
undecane isomers										
unknown aliphatic hydrocarbon isomer										
unknown hydrocarbon										
unknown siloxane isomer										
Total TICs	**0.005**		**ND**		**ND**		**ND**		**ND**	

Analyte Detected

Notes: ND = not detected
Result Qualifiers: J and JN = approximate D = diluted

Table 3: VOC TICs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

Sample ID	2SB-08 1-3		2SB-09 9-11		2SB-10 13-15		2SB-11 12-14		2SB-12 4-6	
All data in mg/Kg (parts per million) Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)	
Dilution Factor	1		1		1		1		1	
VOC TICs, 8260	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4,5-tetramethyl benzene										
1,2,4,5-tetramethylbenzene										
alkyl benzene isomers										
alkyl cyclohexane isomers										
alkyl cyclohexane isomers										
alkyl indene isomers										
alkyl naphthalene isomers										
alkyl octane isomers										
bicyclo[2.2.1]heptan-2-one, 1,										
decahydro naphthalene isomer										
decane isomers										
dihydro methyl indene isomer	0	*UN*								
dimethyl benzene isomer										
dimethyl cyclohexane isomer										
dimethyl decane isomer										
dimethyl dodecane isomer										
dimethyl heptane isomer										
dimethyl- heptane isomer										
dimethyl hexane isomers										
dimethyl nonane isomer										
dimethyl octane isomer										
dimethyl pentane isomer										
dimethyl pentane isomers										
dimethyl spiro isomers										
dimethyl undecane isomers										
dimethyl zinc isomer										
disilaundecane isomer										
ethanol										
ethyl dimethyl benzene isomer										
ethyl methyl benzene isomer	0.011	*JN*								
furan isomer										
heptadecane isomer										
heptane isomer										
indane isomer	0.017	*JN*								
indene isomer										
indene isomers										
methyl (methylethyl) benzene isomer	0.0054	*JN*								
methyl dodecane isomer										
methyl heptane isomer										
methyl hexane isomer										
methyl hexane isomers										
methyl Indan isomer	0.0056	*JN*								
methyl nonane isomers										
methyl octane isomer										
methyl octane isomers										
methyl pentane isomer										
methylheptane isomers										
methyl undecane isomer										
naphthalene										
nonane isomer										
norbornene isomer										
octahydro indene isomer										
p-diethylbenzene										
propanoic acid, 2,2-dimethyl-,										
propanol isomer										
propenal isomer										
tentatively Identified compounds										
tetrahydro naphalene isomer										
tetratetracontane isomer										
trimethyl benzene isomer	0.015	*JN*								
trimethyl cyclohexane isomer										
trimethyl cyclopentane isomer										
trimethyl decane isomer										
trimethyl hexane isomer										
trimethyl hexane isomers										
trimethyl octane isomer										
trimethyl pentane isomers										
trimethylpentane isomers										
trimethyl silane isomer										
undecane isomers										
unknown aliphatic hydrocarbon isomer										
unknown hydrocarbon										
unknown siloxane isomer			0.0086	*JN*						
Total TICs	**0.054**		**0.009**		**ND**		**ND**		**ND**	

Analyte Detected

Notes: ND = not detected
Result Qualifiers: J and JN = approximate D = diluted

Table 3: VOC TICs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

Sample ID	2SB-13 8-10		2SB-14 12-14		2SB-15 7-9		MW-01 6-8		MW-02 5.5-7.5	
All data in mg/Kg (parts per million) Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-26)		(2016-10-26)		(2016-10-26)	
Dilution Factor	1		1		1		1		1	
VOC TICs, 8260	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4,5-tetramethyl benzene										
1,2,4,5-tetramethylbenzene										
alkyl benzene isomers							0.24	*JN*		
alkyl cyclohexane isomers										
alkyl cyclohexane isomers										
alkyl indene isomers										
alkyl naphthalene isomers										
alkyl octane isomers										
bicyclo[2.2.1]heptan-2-one, 1,										
decahydro naphthalene isomer										
decane isomers					0.27	*JN*				
dihydro methyl indene isomer										
dimethyl benzene isomer					0.053	*JN*				
dimethyl cyclohexane isomer										
dimethyl decane isomer										
dimethyl dodecane isomer										
dimethyl heptane isomer										
dimethyl- heptane isomer					0.12	*JN*				
dimethyl hexane isomers										
dimethyl nonane isomer					0.073	*JN*				
dimethyl octane isomer										
dimethyl pentane isomer										
dimethyl pentane isomers										
dimethyl spiro isomers										
dimethyl undecane isomers							0.074	*JN*		
dimethyl zinc isomer										
disilaundecane isomer										
ethanol	0.011	*JN*								
ethyl dimethyl benzene isomer										
ethyl methyl benzene isomer										
furan isomer							0.067	*JN*		
heptadecane isomer										
heptane isomer							0.076	*JN*		
indane isomer										
indene isomer					0.054	*JN*	0.061	*JN*		
indene isomers										
methyl (methylethyl) benzene isomer										
methyl dodecane isomer							0.074	*JN*		
methyl heptane isomer										
methyl hexane isomer										
methyl hexane isomers										
methyl Indan isomer										
methyl nonane isomers										
methyl octane isomer										
methyl octane isomers										
methyl pentane isomer										
methylheptane isomers										
methyl undecane isomer					0.12	*JN*				
naphthalene										
nonane isomer							0.077	*JN*		
norbornene isomer					0.078	*JN*	0.096	*JN*		
octahydro indene isomer										
p-diethylbenzene										
propanoic acid, 2,2-dimethyl-,					0.063	*JN*				
propanol isomer										
propenal isomer										
tentatively Identified compounds									0.052	*J*
tetrahydro naphalene isomer										
tetratetracontane isomer										
trimethyl benzene isomer										
trimethyl cyclohexane isomer										
trimethyl cyclopentane isomer										
trimethyl decane isomer										
trimethyl hexane isomer										
trimethyl hexane isomers							0.18	*JN*		
trimethyl octane isomer										
trimethyl pentane isomers					0.12	*JN*	0.16	*JN*		
trimethylpentane isomers										
trimethyl silane isomer										
undecane isomers										
unknown aliphatic hydrocarbon isomer										
unknown hydrocarbon										
unknown siloxane isomer										
Total TICs	**0.011**		**ND**		**0.951**		**1.11**		**0.052**	

Analyte Detected

Notes: ND = not detected
Result Qualifiers: J and JN = approximate D = diluted

Table 3: VOC TICs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

Sample ID	MW-03 8-10		MW-04 6-8		MW-04 8-10		MW-05 5-7		MW-06 16-18	
All data in mg/Kg (parts per million) Sample Date	(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)	
Dilution Factor	1		1		1		1		1	
VOC TICs, 8260	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4,5-tetramethyl benzene										
1,2,4,5-tetramethylbenzene										
alkyl benzene isomers					0.012	*JN*				
alkyl cyclohexane isomers					0.0078	*JN*				
alkyl cyclohexane isomers			0.53	*JN*						
alkyl indene isomers										
alkyl naphthalene isomers					0.19	*JN*				
alkyl octane isomers			0.17	*JN*						
bicyclo[2.2.1]heptan-2-one, 1,			0.062	*JN*						
decahydro naphthalene isomer			0.05	*JN*			0.031	*JN*		
decane isomers					0.031	*JN*				
dihydro methyl indene isomer										
dimethyl benzene isomer										
dimethyl cyclohexane isomer										
dimethyl decane isomer										
dimethyl dodecane isomer					0.021	*JN*				
dimethyl heptane isomer										
dimethyl- heptane isomer										
dimethyl hexane isomers										
dimethyl nonane isomer										
dimethyl octane isomer										
dimethyl pentane isomer										
dimethyl pentane isomers										
dimethyl spiro isomers					0.0052	*JN*				
dimethyl undecane isomers					0.015	*JN*				
dimethyl zinc isomer			0.052	*JN*						
disilaundecane isomer	0.012	*JN*							0.0041	*JN*
ethanol										
ethyl dimethyl benzene isomer										
ethyl methyl benzene isomer										
furan isomer										
heptadecane isomer										
heptane isomer										
indane isomer										
indene isomer			0	*UN*						
indene isomers										
methyl (methylethyl) benzene isomer										
methyl dodecane isomer										
methyl heptane isomer										
methyl hexane isomer										
methyl hexane isomers										
methyl Indan isomer										
methyl nonane isomers										
methyl octane isomer										
methyl octane isomers										
methyl pentane isomer										
methylheptane isomers										
methyl undecane isomer										
naphthalene										
nonane isomer										
norbornene isomer										
octahydro indene isomer										
p-diethylbenzene										
propanoic acid, 2,2-dimethyl-,										
propanol isomer							0.0045	*JN*		
propenal isomer					0.0061	*JN*				
tentatively Identified compounds										
tetrahydro naphalene isomer										
tetratetracontane isomer										
trimethyl benzene isomer										
trimethyl cyclohexane isomer										
trimethyl cyclopentane isomer										
trimethyl decane isomer										
trimethyl hexane isomer										
trimethyl hexane isomers										
trimethyl octane isomer										
trimethyl pentane isomers										
trimethylpentane isomers										
trimethyl silane isomer					0.015	*JN*				
undecane isomers										
unknown aliphatic hydrocarbon isomer									0.0059	*JN*
unknown hydrocarbon										
unknown siloxane isomer										
Total TICs	**0.012**		**0.864**		**0.303**		**0.036**		**0.010**	

Analyte Detected

Notes: ND = not detected
Result Qualifiers: J and JN = approximate D = diluted

Table 3: VOC TICs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

	Sample ID	Dup-20161026	
All data in mg/Kg (parts per million)	Sample Date	(2016-10-26)	
	Dilution Factor	1	
VOC TICs, 8260		*Result*	*Qualifier*
1,2,4,5-tetramethyl benzene			
1,2,4,5-tetramethylbenzene			
alkyl benzene isomers			
alkyl cyclohexane isomers			
alkyl cyclohexane isomers			
alkyl indene isomers			
alkyl naphthalene isomers			
alkyl octane isomers			
bicyclo[2.2.1]heptan-2-one, 1,			
decahydro naphthalene isomer			
decane isomers			
dihydro methyl indene isomer			
dimethyl benzene isomer			
dimethyl cyclohexane isomer			
dimethyl decane isomer			
dimethyl dodecane isomer			
dimethyl heptane isomer			
dimethyl- heptane isomer			
dimethyl hexane isomers			
dimethyl nonane isomer			
dimethyl octane isomer			
dimethyl pentane isomer			
dimethyl pentane isomers			
dimethyl spiro isomers			
dimethyl undecane isomers			
dimethyl zinc isomer			
disilaundecane isomer			
ethanol			
ethyl dimethyl benzene isomer			
ethyl methyl benzene isomer			
furan isomer			
heptadecane isomer			
heptane isomer			
indane isomer			
indene isomer			
indene isomers			
methyl (methylethyl) benzene isomer			
methyl dodecane isomer			
methyl heptane isomer			
methyl hexane isomer			
methyl hexane isomers			
methyl Indan isomer			
methyl nonane isomers			
methyl octane isomer			
methyl octane isomers			
methyl pentane isomer			
methylheptane isomers			
methyl undecane isomer			
naphthalene			
nonane isomer			
norbornene isomer			
octahydro indene isomer			
p-diethylbenzene			
propanoic acid, 2,2-dimethyl-,			
propanol isomer			
propenal isomer			
tentatively Identified compounds			
tetrahydro naphalene isomer			
tetratetracontane isomer			
trimethyl benzene isomer			
trimethyl cyclohexane isomer			
trimethyl cyclopentane isomer			
trimethyl decane isomer			
trimethyl hexane isomer			
trimethyl hexane isomers			
trimethyl octane isomer			
trimethyl pentane isomers			
trimethylpentane isomers			
trimethyl silane isomer			
undecane isomers			
unknown aliphatic hydrocarbon isomer			
unknown hydrocarbon			
unknown siloxane isomer			
Total TICs		**ND**	

Analyte Detected

Notes: ND = not detected
Result Qualifiers: J and JN = approximate D = diluted

Table 4: SVOCs in Soils
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**TP-03**		**TP-05**		**TP-06**		**SB-01 8-10**	
U= Not Detected (≥ indicated value)		Sample Date	(2015-05-26)		(2015-05-26)		(2015-05-26)		(2016-02-18)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
1,2,4,5-Tetrachlorobenzene	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*	*NA*	
1,2,4-Trichlorobenzene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
1,2-Dichlorobenzene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
1,2-Diphenylhydrazine	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
1,3-Dichlorobenzene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
1,4-Dichlorobenzene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
2,3,4,6-Tetrachlorophenol	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*	*NA*	
2,4,5-Trichlorophenol	NA	NA	0.0726	*U*	0.0784	*U*	0.295	*D*	*NA*	
2,4,6-Trichlorophenol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
2,4-Dichlorophenol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
2,4-Dimethylphenol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
2,4-Dinitrophenol	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*	*NA*	
2,4-Dinitrotoluene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
2,6-Dinitrotoluene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
2-Chloronaphthalene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
2-Chlorophenol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
2-Methylnaphthalene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	0.0558	*U*
2-Methylphenol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
2-Nitroaniline	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*	*NA*	
2-Nitrophenol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
3- & 4-Methylphenols	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
3,3'-Dichlorobenzidine	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
3-Nitroaniline	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*	*NA*	
4,6-Dinitro-2-methylphenol	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*	*NA*	
4-Bromophenyl phenyl ether	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
4-Chloro-3-methylphenol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
4-Chloroaniline	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
4-Chlorophenyl phenyl ether	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
4-Nitroaniline	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*	*NA*	
4-Nitrophenol	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*	*NA*	
Acenaphthene	20	100	0.081	*JD*	0.0784	*U*	0.0742	*U*	0.0558	*U*
Acenaphthylene	100	100	0.0726	*U*	0.0784	*U*	0.0742	*U*	0.0558	*U*
Acetophenone	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Aniline	NA	NA	0.29	*U*	0.313	*U*	0.296	*U*	*NA*	
Anthracene	100	100	0.0726	*U*	1.08	*D*	0.0742	*U*	0.0558	*U*
Atrazine	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Benzaldehyde	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Benzidine	NA	NA	0.29	*U*	0.313	*U*	0.296	*U*	*NA*	
Benzo(a)anthracene	1	1	0.0726	*U*	**2.77**	*D*	0.0742	*U*	0.0558	*U*
Benzo(a)pyrene	1	1	0.0726	*U*	**1.95**	*D*	0.0742	*U*	0.0558	*U*
Benzo(b)fluoranthene	1	1	0.0726	*U*	**1.86**	*D*	0.0742	*U*	0.0558	*U*
Benzo(g,h,i)perylene	100	100	0.0726	*U*	0.799	*D*	0.0742	*U*	0.0558	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0726	*U*	1.41	*D*	0.0742	*U*	0.0558	*U*
Benzoic acid	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Benzyl alcohol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Benzyl butyl phthalate	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Bis(2-chloroethoxy)methane	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Bis(2-chloroethyl)ether	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Bis(2-chloroisopropyl)ether	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Bis(2-ethylhexyl)phthalate	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Caprolactam	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*	*NA*	
Carbazole	NA	NA	0.0726	*U*	0.115	*JD*	0.0946	*JD*	*NA*	
Chrysene	1	3.9	0.0726	*U*	2.19	*D*	0.0742	*U*	0.0558	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0726	*U*	0.283	*D*	0.0742	*U*	0.0558	*U*
Dibenzofuran	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Diethyl phthalate	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Dimethyl phthalate	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Di-n-butyl phthalate	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Di-n-octyl phthalate	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Fluoranthene	100	100	0.0926	*JD*	5.44	*D*	0.124	*JD*	0.0558	*U*
Fluorene	30	100	0.231	*D*	0.261	*D*	0.0742	*U*	0.0558	*U*
Hexachlorobenzene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Hexachlorobutadiene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Hexachlorocyclopentadiene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Hexachloroethane	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Indeno(1,2,3-cd)pyrene	0.5	1	0.0726	*U*	**0.643**	*D*	0.0742	*U*	0.0558	*U*
Isophorone	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Naphthalene	12	100	0.0726	*U*	0.16	*D*	0.0742	*U*	0.0558	*U*
Nitrobenzene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
N-Nitrosodimethylamine	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
N-nitroso-di-n-propylamine	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
N-Nitrosodiphenylamine	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Pentachlorophenol	0.8	6.7	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Phenanthrene	100	100	0.0868	*JD*	1.5	*D*	0.472	*D*	0.0558	*U*
Phenol	0.33	100	0.0726	*U*	0.0784	*U*	0.0742	*U*	*NA*	
Pyrene	100	100	0.0726	*U*	4.51	*D*	0.193	*D*	0.0558	*U*
		8270 list SVOCs	0.491		24.971		1.179		ND	
Total Values		**TICs and unknown**	*NA*		*NA*		*NA*		*NA*	
		All SVOCS	**0.491**		**24.971**		**1.179**		**ND**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: SVOCs in Soils
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**SB-02 6-8**		**SB-03 8-10**		**SB-04 6-8**		**SB-05 8-10**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-02-18)		(2016-02-18)		(2016-02-18)		(2016-02-18)	
Data above SCOs shown in **Bold**		Dilution Factor	2		2		2		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	*NA*		*NA*		*NA*		*NA*	
1,2,4,5-Tetrachlorobenzene	NA	NA	*NA*		*NA*		*NA*		*NA*	
1,2,4-Trichlorobenzene	NA	NA	*NA*		*NA*		*NA*		*NA*	
1,2-Dichlorobenzene	NA	NA	*NA*		*NA*		*NA*		*NA*	
1,2-Diphenylhydrazine	NA	NA	*NA*		*NA*		*NA*		*NA*	
1,3-Dichlorobenzene	NA	NA	*NA*		*NA*		*NA*		*NA*	
1,4-Dichlorobenzene	NA	NA	*NA*		*NA*		*NA*		*NA*	
2,3,4,6-Tetrachlorophenol	NA	NA	*NA*		*NA*		*NA*		*NA*	
2,4,5-Trichlorophenol	NA	NA	*NA*		*NA*		*NA*		*NA*	
2,4,6-Trichlorophenol	NA	NA	*NA*		*NA*		*NA*		*NA*	
2,4-Dichlorophenol	NA	NA	*NA*		*NA*		*NA*		*NA*	
2,4-Dimethylphenol	NA	NA	*NA*		*NA*		*NA*		*NA*	
2,4-Dinitrophenol	NA	NA	*NA*		*NA*		*NA*		*NA*	
2,4-Dinitrotoluene	NA	NA	*NA*		*NA*		*NA*		*NA*	
2,6-Dinitrotoluene	NA	NA	*NA*		*NA*		*NA*		*NA*	
2-Chloronaphthalene	NA	NA	*NA*		*NA*		*NA*		*NA*	
2-Chlorophenol	NA	NA	*NA*		*NA*		*NA*		*NA*	
2-Methylnaphthalene	NA	NA	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
2-Methylphenol	NA	NA	*NA*		*NA*		*NA*		*NA*	
2-Nitroaniline	NA	NA	*NA*		*NA*		*NA*		*NA*	
2-Nitrophenol	NA	NA	*NA*		*NA*		*NA*		*NA*	
3- & 4-Methylphenols	NA	NA	*NA*		*NA*		*NA*		*NA*	
3,3'-Dichlorobenzidine	NA	NA	*NA*		*NA*		*NA*		*NA*	
3-Nitroaniline	NA	NA	*NA*		*NA*		*NA*		*NA*	
4,6-Dinitro-2-methylphenol	NA	NA	*NA*		*NA*		*NA*		*NA*	
4-Bromophenyl phenyl ether	NA	NA	*NA*		*NA*		*NA*		*NA*	
4-Chloro-3-methylphenol	NA	NA	*NA*		*NA*		*NA*		*NA*	
4-Chloroaniline	NA	NA	*NA*		*NA*		*NA*		*NA*	
4-Chlorophenyl phenyl ether	NA	NA	*NA*		*NA*		*NA*		*NA*	
4-Nitroaniline	NA	NA	*NA*		*NA*		*NA*		*NA*	
4-Nitrophenol	NA	NA	*NA*		*NA*		*NA*		*NA*	
Acenaphthene	20	100	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Acenaphthylene	100	100	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Acetophenone	NA	NA	*NA*		*NA*		*NA*		*NA*	
Aniline	NA	NA	*NA*		*NA*		*NA*		*NA*	
Anthracene	100	100	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Atrazine	NA	NA	*NA*		*NA*		*NA*		*NA*	
Benzaldehyde	NA	NA	*NA*		*NA*		*NA*		*NA*	
Benzidine	NA	NA	*NA*		*NA*		*NA*		*NA*	
Benzo(a)anthracene	1	1	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Benzo(a)pyrene	1	1	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Benzo(b)fluoranthene	1	1	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Benzo(g,h,i)perylene	100	100	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Benzoic acid	NA	NA	*NA*		*NA*		*NA*		*NA*	
Benzyl alcohol	NA	NA	*NA*		*NA*		*NA*		*NA*	
Benzyl butyl phthalate	NA	NA	*NA*		*NA*		*NA*		*NA*	
Bis(2-chloroethoxy)methane	NA	NA	*NA*		*NA*		*NA*		*NA*	
Bis(2-chloroethyl)ether	NA	NA	*NA*		*NA*		*NA*		*NA*	
Bis(2-chloroisopropyl)ether	NA	NA	*NA*		*NA*		*NA*		*NA*	
Bis(2-ethylhexyl)phthalate	NA	NA	*NA*		*NA*		*NA*		*NA*	
Caprolactam	NA	NA	*NA*		*NA*		*NA*		*NA*	
Carbazole	NA	NA	*NA*		*NA*		*NA*		*NA*	
Chrysene	1	3.9	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Dibenzofuran	NA	NA	*NA*		*NA*		*NA*		*NA*	
Diethyl phthalate	NA	NA	*NA*		*NA*		*NA*		*NA*	
Dimethyl phthalate	NA	NA	*NA*		*NA*		*NA*		*NA*	
Di-n-butyl phthalate	NA	NA	*NA*		*NA*		*NA*		*NA*	
Di-n-octyl phthalate	NA	NA	*NA*		*NA*		*NA*		*NA*	
Fluoranthene	100	100	0.0536	*U*	0.0767	*JD*	0.0473	*U*	0.0536	*U*
Fluorene	30	100	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Hexachlorobenzene	NA	NA	*NA*		*NA*		*NA*		*NA*	
Hexachlorobutadiene	NA	NA	*NA*		*NA*		*NA*		*NA*	
Hexachlorocyclopentadiene	NA	NA	*NA*		*NA*		*NA*		*NA*	
Hexachloroethane	NA	NA	*NA*		*NA*		*NA*		*NA*	
Indeno(1,2,3-cd)pyrene	0.5	1	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Isophorone	NA	NA	*NA*		*NA*		*NA*		*NA*	
Naphthalene	12	100	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*
Nitrobenzene	NA	NA	*NA*		*NA*		*NA*		*NA*	
N-Nitrosodimethylamine	NA	NA	*NA*		*NA*		*NA*		*NA*	
N-nitroso-di-n-propylamine	NA	NA	*NA*		*NA*		*NA*		*NA*	
N-Nitrosodiphenylamine	NA	NA	*NA*		*NA*		*NA*		*NA*	
Pentachlorophenol	0.8	6.7	*NA*		*NA*		*NA*		*NA*	
Phenanthrene	100	100	0.0536	*U*	0.0592	*JD*	0.0473	*U*	0.0536	*U*
Phenol	0.33	100	*NA*		*NA*		*NA*		*NA*	
Pyrene	100	100	0.0536	*U*	0.0653	*JD*	0.0473	*U*	0.0536	*U*
Total Values		**8270 list SVOCs**	ND		0.201		ND		ND	
		TICs and unknown	*NA*		*NA*		*NA*		*NA*	
		All SVOCS	**ND**		**0.201**		**ND**		**ND**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: SVOCs in Soils
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**SB-06 8-10**		**2SB-01 5-7**		**2SB-01 9-11**		**2SB-02 5-7**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-02-18)		(2016-10-24)		(2016-10-24)		(2016-10-24)	
Data above SCOs shown in **Bold**		Dilution Factor	2		2		2		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	*NA*		0.147	*U*	0.153	*U*	0.155	*U*
1,2,4-Trichlorobenzene	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
1,2-Dichlorobenzene	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
1,2-Diphenylhydrazine	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
1,3-Dichlorobenzene	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
1,4-Dichlorobenzene	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	*NA*		0.147	*U*	0.153	*U*	0.155	*U*
2,4,5-Trichlorophenol	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
2,4,6-Trichlorophenol	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
2,4-Dichlorophenol	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
2,4-Dimethylphenol	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
2,4-Dinitrophenol	NA	NA	*NA*		0.147	*U*	0.153	*U*	0.155	*U*
2,4-Dinitrotoluene	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
2,6-Dinitrotoluene	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
2-Chloronaphthalene	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
2-Chlorophenol	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
2-Methylnaphthalene	NA	NA	0.0524	*U*	2.37	*D*	0.0769	*U*	0.0775	*U*
2-Methylphenol	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
2-Nitroaniline	NA	NA	*NA*		0.147	*U*	0.153	*U*	0.155	*U*
2-Nitrophenol	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
3- & 4-Methylphenols	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
3,3'-Dichlorobenzidine	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
3-Nitroaniline	NA	NA	*NA*		0.147	*U*	0.153	*U*	0.155	*U*
4,6-Dinitro-2-methylphenol	NA	NA	*NA*		0.147	*U*	0.153	*U*	0.155	*U*
4-Bromophenyl phenyl ether	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
4-Chloro-3-methylphenol	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
4-Chloroaniline	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
4-Chlorophenyl phenyl ether	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
4-Nitroaniline	NA	NA	*NA*		0.147	*U*	0.153	*U*	0.155	*U*
4-Nitrophenol	NA	NA	*NA*		0.147	*U*	0.153	*U*	0.155	*U*
Acenaphthene	20	100	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Acenaphthylene	100	100	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Acetophenone	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Aniline	NA	NA	*NA*		0.295	*U*	0.307	*U*	0.31	*U*
Anthracene	100	100	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Atrazine	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Benzaldehyde	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Benzidine	NA	NA	*NA*		0.295	*U*	0.307	*U*	0.31	*U*
Benzo(a)anthracene	1	1	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Benzo(a)pyrene	1	1	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Benzo(b)fluoranthene	1	1	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Benzo(g,h,i)perylene	100	100	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Benzoic acid	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Benzyl alcohol	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Benzyl butyl phthalate	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Bis(2-chloroethoxy)methane	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Bis(2-chloroethyl)ether	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Bis(2-chloroisopropyl)ether	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Bis(2-ethylhexyl)phthalate	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Caprolactam	NA	NA	*NA*		0.147	*U*	0.153	*U*	0.155	*U*
Carbazole	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Chrysene	1	3.9	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Dibenzofuran	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Diethyl phthalate	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Dimethyl phthalate	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Di-n-butyl phthalate	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Di-n-octyl phthalate	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Fluoranthene	100	100	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Fluorene	30	100	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Hexachlorobenzene	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Hexachlorobutadiene	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Hexachlorocyclopentadiene	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Hexachloroethane	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Indeno(1,2,3-cd)pyrene	0.5	1	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
Isophorone	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Naphthalene	12	100	0.0524	*U*	1.08	*D*	0.0769	*U*	0.0775	*U*
Nitrobenzene	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
N-Nitrosodimethylamine	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
N-nitroso-di-n-propylamine	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
N-Nitrosodiphenylamine	NA	NA	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Pentachlorophenol	0.8	6.7	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Phenanthrene	100	100	0.0524	*U*	0.1	*JD*	0.0769	*U*	0.0775	*U*
Phenol	0.33	100	*NA*		0.0739	*U*	0.0769	*U*	0.0775	*U*
Pyrene	100	100	0.0524	*U*	0.0739	*U*	0.0769	*U*	0.0775	*U*
		8270 list SVOCs	ND		3.550		ND		ND	
Total Values		**TICs and unknown**	*NA*		ND		ND		ND	
		All SVOCS	**ND**		**3.550**		**ND**		**ND**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: SVOCs in Soils
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		Sample ID	2SB-02 9-11		2SB-03 5-7		2SB-03 9-11		2SB-04 8-10	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-24)	
Data above SCOs shown in **Bold**		Dilution Factor	2		2		2		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.164	*U*	0.163	*U*	0.166	*U*	0.151	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
1,2-Dichlorobenzene	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
1,2-Diphenylhydrazine	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
1,3-Dichlorobenzene	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
1,4-Dichlorobenzene	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.164	*U*	0.163	*U*	0.166	*U*	0.151	*U*
2,4,5-Trichlorophenol	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
2,4,6-Trichlorophenol	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
2,4-Dichlorophenol	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
2,4-Dimethylphenol	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
2,4-Dinitrophenol	NA	NA	0.164	*U*	0.163	*U*	0.166	*U*	0.151	*U*
2,4-Dinitrotoluene	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
2,6-Dinitrotoluene	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
2-Chloronaphthalene	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
2-Chlorophenol	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
2-Methylnaphthalene	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
2-Methylphenol	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
2-Nitroaniline	NA	NA	0.164	*U*	0.163	*U*	0.166	*U*	0.151	*U*
2-Nitrophenol	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
3- & 4-Methylphenols	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
3,3'-Dichlorobenzidine	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
3-Nitroaniline	NA	NA	0.164	*U*	0.163	*U*	0.166	*U*	0.151	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.164	*U*	0.163	*U*	0.166	*U*	0.151	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
4-Chloro-3-methylphenol	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
4-Chloroaniline	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
4-Nitroaniline	NA	NA	0.164	*U*	0.163	*U*	0.166	*U*	0.151	*U*
4-Nitrophenol	NA	NA	0.164	*U*	0.163	*U*	0.166	*U*	0.151	*U*
Acenaphthene	20	100	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Acenaphthylene	100	100	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Acetophenone	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Aniline	NA	NA	0.329	*U*	0.326	*U*	0.333	*U*	0.303	*U*
Anthracene	100	100	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Atrazine	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Benzaldehyde	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Benzidine	NA	NA	0.329	*U*	0.326	*U*	0.333	*U*	0.303	*U*
Benzo(a)anthracene	1	1	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Benzo(a)pyrene	1	1	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Benzo(b)fluoranthene	1	1	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Benzo(g,h,i)perylene	100	100	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Benzoic acid	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Benzyl alcohol	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Benzyl butyl phthalate	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Bis(2-ethylhexyl)phthalate	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Caprolactam	NA	NA	0.164	*U*	0.163	*U*	0.166	*U*	0.151	*U*
Carbazole	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Chrysene	1	3.9	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Dibenzofuran	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Diethyl phthalate	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Dimethyl phthalate	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Di-n-butyl phthalate	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Di-n-octyl phthalate	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Fluoranthene	100	100	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Fluorene	30	100	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Hexachlorobenzene	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Hexachlorobutadiene	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Hexachlorocyclopentadiene	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Hexachloroethane	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Indeno(1,2,3-cd)pyrene	0.5	1	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Isophorone	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Naphthalene	12	100	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Nitrobenzene	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
N-Nitrosodimethylamine	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
N-Nitrosodiphenylamine	NA	NA	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Pentachlorophenol	0.8	6.7	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Phenanthrene	100	100	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Phenol	0.33	100	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
Pyrene	100	100	0.0823	*U*	0.0816	*U*	0.0832	*U*	0.0757	*U*
		8270 list SVOCs	ND		ND		ND		ND	
Total Values		**TICs and unknown**	ND		ND		ND		ND	
		All SVOCS	**ND**		**ND**		**ND**		**ND**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: SVOCs in Soils
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		Sample ID	2SB-04 18-20		2SB-05 6-8		2SB-05 9-11		2SB-06 4.5-6.5	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-25)	
Data above SCOs shown in **Bold**		Dilution Factor	2		2		2		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.13	*U*	0.105	*U*	0.158	*U*	0.0877	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
1,2-Dichlorobenzene	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
1,2-Diphenylhydrazine	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
1,3-Dichlorobenzene	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
1,4-Dichlorobenzene	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.13	*U*	0.105	*U*	0.158	*U*	0.0877	*U*
2,4,5-Trichlorophenol	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
2,4,6-Trichlorophenol	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
2,4-Dichlorophenol	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
2,4-Dimethylphenol	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
2,4-Dinitrophenol	NA	NA	0.13	*U*	0.105	*U*	0.158	*U*	0.0877	*U*
2,4-Dinitrotoluene	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
2,6-Dinitrotoluene	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
2-Chloronaphthalene	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
2-Chlorophenol	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
2-Methylnaphthalene	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
2-Methylphenol	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
2-Nitroaniline	NA	NA	0.13	*U*	0.105	*U*	0.158	*U*	0.0877	*U*
2-Nitrophenol	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
3- & 4-Methylphenols	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
3,3'-Dichlorobenzidine	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
3-Nitroaniline	NA	NA	0.13	*U*	0.105	*U*	0.158	*U*	0.0877	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.13	*U*	0.105	*U*	0.158	*U*	0.0877	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
4-Chloro-3-methylphenol	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
4-Chloroaniline	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
4-Nitroaniline	NA	NA	0.13	*U*	0.105	*U*	0.158	*U*	0.0877	*U*
4-Nitrophenol	NA	NA	0.13	*U*	0.105	*U*	0.158	*U*	0.0877	*U*
Acenaphthene	20	100	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Acenaphthylene	100	100	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Acetophenone	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Aniline	NA	NA	0.26	*U*	0.211	*U*	0.316	*U*	0.176	*U*
Anthracene	100	100	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Atrazine	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Benzaldehyde	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Benzidine	NA	NA	0.26	*U*	0.211	*U*	0.316	*U*	0.176	*U*
Benzo(a)anthracene	1	1	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Benzo(a)pyrene	1	1	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Benzo(b)fluoranthene	1	1	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Benzo(g,h,i)perylene	100	100	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Benzoic acid	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Benzyl alcohol	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Benzyl butyl phthalate	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Bis(2-ethylhexyl)phthalate	NA	NA	0.0651	*U*	0.104	*JD*	0.0792	*U*	0.0439	*U*
Caprolactam	NA	NA	0.13	*U*	0.105	*U*	0.158	*U*	0.0877	*U*
Carbazole	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Chrysene	1	3.9	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Dibenzofuran	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Diethyl phthalate	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Dimethyl phthalate	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Di-n-butyl phthalate	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Di-n-octyl phthalate	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Fluoranthene	100	100	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Fluorene	30	100	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Hexachlorobenzene	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Hexachlorobutadiene	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Hexachlorocyclopentadiene	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Hexachloroethane	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Indeno(1,2,3-cd)pyrene	0.5	1	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Isophorone	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Naphthalene	12	100	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Nitrobenzene	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
N-Nitrosodimethylamine	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
N-Nitrosodiphenylamine	NA	NA	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Pentachlorophenol	0.8	6.7	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Phenanthrene	100	100	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Phenol	0.33	100	0.0651	*U*	0.0528	*U*	0.0792	*U*	0.0439	*U*
Pyrene	100	100	0.0651	*U*	0.0607	*JD*	0.0792	*U*	0.0439	*U*
Total Values		**8270 list SVOCs**	ND		0.165		ND		ND	
		TICs and unknown	ND		36.4		ND		ND	
		All SVOCS	**ND**		**36.6**		**ND**		**ND**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: SVOCs in Soils
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		Sample ID	2SB-06 10-12		2SB-07 4.5-6.5		2SB-07 9-11		2SB-08 1-3	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)	
Data above SCOs shown in **Bold**		Dilution Factor	2		2		2		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.108	*U*	0.106	*U*	0.105	*U*	0.0963	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
1,2-Dichlorobenzene	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
1,2-Diphenylhydrazine	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
1,3-Dichlorobenzene	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
1,4-Dichlorobenzene	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.108	*U*	0.106	*U*	0.105	*U*	0.0963	*U*
2,4,5-Trichlorophenol	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
2,4,6-Trichlorophenol	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
2,4-Dichlorophenol	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
2,4-Dimethylphenol	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
2,4-Dinitrophenol	NA	NA	0.108	*U*	0.106	*U*	0.105	*U*	0.0963	*U*
2,4-Dinitrotoluene	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
2,6-Dinitrotoluene	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
2-Chloronaphthalene	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
2-Chlorophenol	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
2-Methylnaphthalene	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
2-Methylphenol	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
2-Nitroaniline	NA	NA	0.108	*U*	0.106	*U*	0.105	*U*	0.0963	*U*
2-Nitrophenol	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
3- & 4-Methylphenols	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
3,3'-Dichlorobenzidine	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
3-Nitroaniline	NA	NA	0.108	*U*	0.106	*U*	0.105	*U*	0.0963	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.108	*U*	0.106	*U*	0.105	*U*	0.0963	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
4-Chloro-3-methylphenol	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
4-Chloroaniline	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
4-Nitroaniline	NA	NA	0.108	*U*	0.106	*U*	0.105	*U*	0.0963	*U*
4-Nitrophenol	NA	NA	0.108	*U*	0.106	*U*	0.105	*U*	0.0963	*U*
Acenaphthene	20	100	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Acenaphthylene	100	100	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Acetophenone	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Aniline	NA	NA	0.215	*U*	0.213	*U*	0.211	*U*	0.193	*U*
Anthracene	100	100	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Atrazine	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Benzaldehyde	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Benzidine	NA	NA	0.215	*U*	0.213	*U*	0.211	*U*	0.193	*U*
Benzo(a)anthracene	1	1	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Benzo(a)pyrene	1	1	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Benzo(b)fluoranthene	1	1	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Benzo(g,h,i)perylene	100	100	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Benzoic acid	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Benzyl alcohol	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Benzyl butyl phthalate	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Bis(2-ethylhexyl)phthalate	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Caprolactam	NA	NA	0.108	*U*	0.106	*U*	0.105	*U*	0.0963	*U*
Carbazole	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Chrysene	1	3.9	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Dibenzofuran	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Diethyl phthalate	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Dimethyl phthalate	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Di-n-butyl phthalate	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Di-n-octyl phthalate	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Fluoranthene	100	100	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Fluorene	30	100	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Hexachlorobenzene	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Hexachlorobutadiene	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Hexachlorocyclopentadiene	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Hexachloroethane	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Indeno(1,2,3-cd)pyrene	0.5	1	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Isophorone	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Naphthalene	12	100	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Nitrobenzene	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
N-Nitrosodimethylamine	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
N-Nitrosodiphenylamine	NA	NA	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Pentachlorophenol	0.8	6.7	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Phenanthrene	100	100	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Phenol	0.33	100	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
Pyrene	100	100	0.0539	*U*	0.0532	*U*	0.0527	*U*	0.0483	*U*
		8270 list SVOCs	ND		ND		ND		ND	
Total Values		**TICs and unknown**	ND		ND		ND		ND	
		All SVOCS	**ND**		**ND**		**ND**		**ND**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: SVOCs in Soils
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-09 9-11**		**2SB-10 13-15**		**2SB-11 12-14**		**2SB-12 4-6**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)	
Data above SCOs shown in **Bold**		Dilution Factor	2		2		2		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.108	*U*	0.107	*U*	0.106	*U*	0.0952	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
1,2-Dichlorobenzene	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
1,2-Diphenylhydrazine	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
1,3-Dichlorobenzene	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
1,4-Dichlorobenzene	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.108	*U*	0.107	*U*	0.106	*U*	0.0952	*U*
2,4,5-Trichlorophenol	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
2,4,6-Trichlorophenol	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
2,4-Dichlorophenol	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
2,4-Dimethylphenol	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
2,4-Dinitrophenol	NA	NA	0.108	*U*	0.107	*U*	0.106	*U*	0.0952	*U*
2,4-Dinitrotoluene	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
2,6-Dinitrotoluene	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
2-Chloronaphthalene	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
2-Chlorophenol	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
2-Methylnaphthalene	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
2-Methylphenol	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
2-Nitroaniline	NA	NA	0.108	*U*	0.107	*U*	0.106	*U*	0.0952	*U*
2-Nitrophenol	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
3- & 4-Methylphenols	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
3,3'-Dichlorobenzidine	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
3-Nitroaniline	NA	NA	0.108	*U*	0.107	*U*	0.106	*U*	0.0952	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.108	*U*	0.107	*U*	0.106	*U*	0.0952	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
4-Chloro-3-methylphenol	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
4-Chloroaniline	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
4-Nitroaniline	NA	NA	0.108	*U*	0.107	*U*	0.106	*U*	0.0952	*U*
4-Nitrophenol	NA	NA	0.108	*U*	0.107	*U*	0.106	*U*	0.0952	*U*
Acenaphthene	20	100	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Acenaphthylene	100	100	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Acetophenone	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Aniline	NA	NA	0.217	*U*	0.215	*U*	0.213	*U*	0.191	*U*
Anthracene	100	100	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Atrazine	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Benzaldehyde	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Benzidine	NA	NA	0.217	*U*	0.215	*U*	0.213	*U*	0.191	*U*
Benzo(a)anthracene	1	1	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Benzo(a)pyrene	1	1	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Benzo(b)fluoranthene	1	1	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Benzo(g,h,i)perylene	100	100	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Benzoic acid	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Benzyl alcohol	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Benzyl butyl phthalate	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Bis(2-ethylhexyl)phthalate	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Caprolactam	NA	NA	0.108	*U*	0.107	*U*	0.106	*U*	0.0952	*U*
Carbazole	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Chrysene	1	3.9	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Dibenzofuran	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Diethyl phthalate	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Dimethyl phthalate	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Di-n-butyl phthalate	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Di-n-octyl phthalate	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Fluoranthene	100	100	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Fluorene	30	100	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Hexachlorobenzene	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Hexachlorobutadiene	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Hexachlorocyclopentadiene	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Hexachloroethane	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Indeno(1,2,3-cd)pyrene	0.5	1	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Isophorone	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Naphthalene	12	100	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Nitrobenzene	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
N-Nitrosodimethylamine	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
N-Nitrosodiphenylamine	NA	NA	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Pentachlorophenol	0.8	6.7	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Phenanthrene	100	100	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Phenol	0.33	100	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
Pyrene	100	100	0.0543	*U*	0.0538	*U*	0.0533	*U*	0.0477	*U*
		8270 list SVOCs	ND		ND		ND		ND	
Total Values		**TICs and unknown**	ND		ND		ND		ND	
		All SVOCS	**ND**		**ND**		**ND**		**ND**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: SVOCs in Soils
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		Sample ID	2SB-13 8-10		2SB-14 12-14		2SB-15 7-9		MW-01 6-8	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-26)		(2016-10-26)	
Data above SCOs shown in **Bold**		Dilution Factor	2		2		1		1	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.103	*U*	0.106	*U*	0.0537	*U*	0.0541	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
1,2-Dichlorobenzene	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
1,2-Diphenylhydrazine	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
1,3-Dichlorobenzene	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
1,4-Dichlorobenzene	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.103	*U*	0.106	*U*	0.0537	*U*	0.0541	*U*
2,4,5-Trichlorophenol	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
2,4,6-Trichlorophenol	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
2,4-Dichlorophenol	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
2,4-Dimethylphenol	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
2,4-Dinitrophenol	NA	NA	0.103	*U*	0.106	*U*	0.0537	*U*	0.0541	*U*
2,4-Dinitrotoluene	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
2,6-Dinitrotoluene	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
2-Chloronaphthalene	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
2-Chlorophenol	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
2-Methylnaphthalene	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
2-Methylphenol	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
2-Nitroaniline	NA	NA	0.103	*U*	0.106	*U*	0.0537	*U*	0.0541	*U*
2-Nitrophenol	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
3- & 4-Methylphenols	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
3,3'-Dichlorobenzidine	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
3-Nitroaniline	NA	NA	0.103	*U*	0.106	*U*	0.0537	*U*	0.0541	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.103	*U*	0.106	*U*	0.0537	*U*	0.0541	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
4-Chloro-3-methylphenol	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
4-Chloroaniline	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
4-Nitroaniline	NA	NA	0.103	*U*	0.106	*U*	0.0537	*U*	0.0541	*U*
4-Nitrophenol	NA	NA	0.103	*U*	0.106	*U*	0.0537	*U*	0.0541	*U*
Acenaphthene	20	100	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Acenaphthylene	100	100	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Acetophenone	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Aniline	NA	NA	0.206	*U*	0.212	*U*	0.108	*U*	0.108	*U*
Anthracene	100	100	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Atrazine	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Benzaldehyde	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Benzidine	NA	NA	0.206	*U*	0.212	*U*	0.108	*U*	0.108	*U*
Benzo(a)anthracene	1	1	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Benzo(a)pyrene	1	1	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Benzo(b)fluoranthene	1	1	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Benzo(g,h,i)perylene	100	100	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Benzoic acid	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Benzyl alcohol	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Benzyl butyl phthalate	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Bis(2-ethylhexyl)phthalate	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Caprolactam	NA	NA	0.103	*U*	0.106	*U*	0.0537	*U*	0.0541	*U*
Carbazole	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Chrysene	1	3.9	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Dibenzofuran	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Diethyl phthalate	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Dimethyl phthalate	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Di-n-butyl phthalate	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Di-n-octyl phthalate	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Fluoranthene	100	100	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Fluorene	30	100	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Hexachlorobenzene	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Hexachlorobutadiene	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Hexachlorocyclopentadiene	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Hexachloroethane	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Indeno(1,2,3-cd)pyrene	0.5	1	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Isophorone	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Naphthalene	12	100	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Nitrobenzene	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
N-Nitrosodimethylamine	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
N-Nitrosodiphenylamine	NA	NA	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Pentachlorophenol	0.8	6.7	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Phenanthrene	100	100	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Phenol	0.33	100	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
Pyrene	100	100	0.0515	*U*	0.0531	*U*	0.0269	*U*	0.0271	*U*
		8270 list SVOCs	ND		ND		ND		ND	
Total Values		**TICs and unknown**	ND		ND		ND		ND	
		All SVOCS	**ND**		**ND**		**ND**		**ND**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: SVOCs in Soils
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		Sample ID	MW-02 5.5-7.5		MW-03 0-2		MW-03 8-10		MW-04 6-8	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*			*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.053	*U*	0.0479	*U*	0.049	*U*	0.0453	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
1,2-Dichlorobenzene	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
1,2-Diphenylhydrazine	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
1,3-Dichlorobenzene	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
1,4-Dichlorobenzene	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.053	*U*	0.0479	*U*	0.049	*U*	0.0453	*U*
2,4,5-Trichlorophenol	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
2,4,6-Trichlorophenol	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0775	
2,4-Dichlorophenol	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
2,4-Dimethylphenol	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
2,4-Dinitrophenol	NA	NA	0.053	*U*	0.0479	*U*	0.049	*U*	0.0453	*U*
2,4-Dinitrotoluene	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
2,6-Dinitrotoluene	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
2-Chloronaphthalene	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
2-Chlorophenol	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
2-Methylnaphthalene	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
2-Methylphenol	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
2-Nitroaniline	NA	NA	0.053	*U*	0.0479	*U*	0.049	*U*	0.0453	*U*
2-Nitrophenol	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
3- & 4-Methylphenols	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
3,3'-Dichlorobenzidine	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
3-Nitroaniline	NA	NA	0.053	*U*	0.0479	*U*	0.049	*U*	0.0453	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.053	*U*	0.0479	*U*	0.049	*U*	0.0453	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
4-Chloro-3-methylphenol	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
4-Chloroaniline	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
4-Nitroaniline	NA	NA	0.053	*U*	0.0479	*U*	0.049	*U*	0.0453	*U*
4-Nitrophenol	NA	NA	0.053	*U*	0.0479	*U*	0.049	*U*	0.0453	*U*
Acenaphthene	20	100	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Acenaphthylene	100	100	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Acetophenone	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Aniline	NA	NA	0.106	*U*	0.096	*U*	0.0982	*U*	0.0908	*U*
Anthracene	100	100	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0514	
Atrazine	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Benzaldehyde	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Benzidine	NA	NA	0.106	*U*	0.096	*U*	0.0982	*U*	0.0908	*U*
Benzo(a)anthracene	1	1	0.0266	*U*	0.0433	*J*	0.0246	*U*	0.0227	*U*
Benzo(a)pyrene	1	1	0.0266	*U*	0.0563		0.0246	*U*	0.0227	*U*
Benzo(b)fluoranthene	1	1	0.0266	*U*	0.0533		0.0246	*U*	0.0227	*U*
Benzo(g,h,i)perylene	100	100	0.0266	*U*	0.0502		0.0246	*U*	0.0227	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0266	*U*	0.0602		0.0246	*U*	0.0227	*U*
Benzoic acid	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Benzyl alcohol	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Benzyl butyl phthalate	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Bis(2-ethylhexyl)phthalate	NA	NA	0.0322	*J*	0.0364	*J*	0.0341	*J*	0.0268	*J*
Caprolactam	NA	NA	0.053	*U*	0.0479	*U*	0.049	*U*	0.0453	*U*
Carbazole	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Chrysene	1	3.9	0.0266	*U*	0.0579		0.0246	*U*	0.0227	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Dibenzofuran	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Diethyl phthalate	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Dimethyl phthalate	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Di-n-butyl phthalate	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Di-n-octyl phthalate	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Fluoranthene	100	100	0.0266	*U*	0.0709		0.0246	*U*	0.0227	*U*
Fluorene	30	100	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Hexachlorobenzene	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Hexachlorobutadiene	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Hexachlorocyclopentadiene	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Hexachloroethane	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Indeno(1,2,3-cd)pyrene	0.5	1	0.0266	*U*	0.041	*J*	0.0246	*U*	0.0227	*U*
Isophorone	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Naphthalene	12	100	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Nitrobenzene	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
N-Nitrosodimethylamine	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
N-Nitrosodiphenylamine	NA	NA	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Pentachlorophenol	0.8	6.7	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Phenanthrene	100	100	0.0266	*U*	0.0536		0.0246	*U*	0.0227	*U*
Phenol	0.33	100	0.0266	*U*	0.024	*U*	0.0246	*U*	0.0227	*U*
Pyrene	100	100	0.0266	*U*	0.0701		0.0246	*U*	0.0227	*U*
		8270 list SVOCs	0.032		0.593		0.034		0.156	
Total Values		**TICs and unknown**	ND		ND		ND		12.9	
		All SVOCS	**0.032**		**0.593**		**0.034**		**13.1**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: SVOCs in Soils
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		Sample ID	MW-04 8-10		MW-05 5-7		MW-06 16-18		Dup-20161026	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.0533	*U*	0.0476	*U*	0.0563	*U*	0.053	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
1,2-Dichlorobenzene	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
1,2-Diphenylhydrazine	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
1,3-Dichlorobenzene	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
1,4-Dichlorobenzene	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.0533	*U*	0.0476	*U*	0.0563	*U*	0.053	*U*
2,4,5-Trichlorophenol	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
2,4,6-Trichlorophenol	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
2,4-Dichlorophenol	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
2,4-Dimethylphenol	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
2,4-Dinitrophenol	NA	NA	0.0533	*U*	0.0476	*U*	0.0563	*U*	0.053	*U*
2,4-Dinitrotoluene	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
2,6-Dinitrotoluene	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
2-Chloronaphthalene	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
2-Chlorophenol	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
2-Methylnaphthalene	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
2-Methylphenol	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
2-Nitroaniline	NA	NA	0.0533	*U*	0.0476	*U*	0.0563	*U*	0.053	*U*
2-Nitrophenol	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
3- & 4-Methylphenols	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
3,3'-Dichlorobenzidine	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
3-Nitroaniline	NA	NA	0.0533	*U*	0.0476	*U*	0.0563	*U*	0.053	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.0533	*U*	0.0476	*U*	0.0563	*U*	0.053	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
4-Chloro-3-methylphenol	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
4-Chloroaniline	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
4-Nitroaniline	NA	NA	0.0533	*U*	0.0476	*U*	0.0563	*U*	0.053	*U*
4-Nitrophenol	NA	NA	0.0533	*U*	0.0476	*U*	0.0563	*U*	0.053	*U*
Acenaphthene	20	100	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Acenaphthylene	100	100	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Acetophenone	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Aniline	NA	NA	0.107	*U*	0.0952	*U*	0.113	*U*	0.106	*U*
Anthracene	100	100	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Atrazine	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Benzaldehyde	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Benzidine	NA	NA	0.107	*U*	0.0952	*U*	0.113	*U*	0.106	*U*
Benzo(a)anthracene	1	1	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Benzo(a)pyrene	1	1	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0322	*J*
Benzo(b)fluoranthene	1	1	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0322	*J*
Benzo(g,h,i)perylene	100	100	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0419	*J*
Benzo(k)fluoranthene	0.8	3.9	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0394	*J*
Benzoic acid	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Benzyl alcohol	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Benzyl butyl phthalate	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Bis(2-ethylhexyl)phthalate	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0411	*J*
Caprolactam	NA	NA	0.0533	*U*	0.0476	*U*	0.0563	*U*	0.053	*U*
Carbazole	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Chrysene	1	3.9	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Dibenzofuran	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Diethyl phthalate	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Dimethyl phthalate	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Di-n-butyl phthalate	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Di-n-octyl phthalate	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Fluoranthene	100	100	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Fluorene	30	100	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Hexachlorobenzene	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Hexachlorobutadiene	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Hexachlorocyclopentadiene	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Hexachloroethane	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Indeno(1,2,3-cd)pyrene	0.5	1	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Isophorone	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Naphthalene	12	100	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Nitrobenzene	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
N-Nitrosodimethylamine	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
N-Nitrosodiphenylamine	NA	NA	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Pentachlorophenol	0.8	6.7	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Phenanthrene	100	100	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Phenol	0.33	100	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
Pyrene	100	100	0.0267	*U*	0.0238	*U*	0.0282	*U*	0.0265	*U*
		8270 list SVOCs	ND		ND		ND		0.187	
Total Values		**TICs and unknown**	ND		ND		ND		ND	
		All SVOCS	**ND**		**ND**		**ND**		**0.187**	

Analyte Detected	Analyte Above UUSCO	**Analyte Above RRUSCO**

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5: SVOC TICs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

Sample ID	2SB-05 6-8		MW-04 6-8	
All data in mg/Kg Sample Date	(2016-10-24)		(2016-10-26)	
(parts per million) Dilution Factor	2		1	
SVOC TICs, 8270	*Result*	*Qualifier*	*Result*	*Qualifier*
anthracenamine isomer			*1.78*	*J*
butyl trimethyl cyclohexane isomer			1.52	*J*
decahydro pentamethylnaphthalene isomer			2.21	*J*
dimethyl nonane isomer			2.72	*J*
docosane isomer			2.57	*J*
eicosane isomer	5.22	*JD*		
hexadecane isomer	4.63	*JD*		
octacosane isomer	7.16	*JD*		
octadecane isomer	6.07	*JD*		
pentadecane isomer	5.48	*JD*		
Squalene isomer	7.83	*JD*		
undecane isomer			2.1	*J*
Total TICs	**36.4**		**12.9**	

Analyte Detected

The following RI samples collected 2016-10-24 to 2016-10-26 are reported non-detect for SVOC TICs

2SB-01 5-7	2SB-01 9-11
2SB-02 5-7	2SB-02 9-11
2SB-03 5-7	2SB-03 9-11
2SB-04 8-10	2SB-04 18-20
2SB-05 9-11	2SB-06 4.5-6.5
2SB-06 10-12	2SB-07 4.5-6.5
2SB-07 9-11	2SB-08 1-3
2SB-09 9-11	2SB-10 13-15
2SB-11 12-14	2SB-12 4-6
2SB-13 8-10	2SB-14 12-14
2SB-15 7-9	MW-01 6-8
MW-02 5.5-7.5	MW-03 0-2
MW-03 8-10	MW-04 8-10
MW-05 5-7	MW-06 16-18
Dup-20161026	

Notes: ND = not detected
Result Qualifiers: J and JN = approximate D = diluted

Table 6: TAL Metals in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**TP-02**		**TP-04**		**TP-08**		**TP-10**		**TP-12**	
U= Not Detected (≥ indicated value)		Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-02)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	11,900		14,000		8,960		8,570		8,270	
Antimony	NA	NA	0.62	*U*	0.57	*U*	3.79		0.71	*U*	0.57	*U*
Arsenic	13	16	4.63		8.79		11		8.64		9.9	
Barium	350	400	89.6		207		**915**		250		233	
Beryllium	7.2	72	0.34		0.37		0.12	*U*	0.15		0.11	*U*
Cadmium	2.5	4.3	0.37	*U*	0.58		1.71		0.42	*U*	0.72	
Calcium	NA	NA	2,400		32,400		60,400		19,400		26,900	
Chromium	30	180	15.9		13		22.2		12.6		14.7	
Cobalt	NA	NA	11.5		8.42		8.76		7.39		8.52	
Copper	50	270	28.3		51.8		68.5		50		136	
Iron	NA	NA	29,500		18,300		24,700		17,500		24,800	
Lead	63	400	18.3		**635**		**5,450**		**3,200**		**802**	
Magnesium	NA	NA	5,180		7,070		5,600		3,220		3,660	
Manganese	1,600	2,000	1,010		558		464		326		476	
Mercury	0.18	0.81	0.079		**2.03**		0.79		**0.88**		**1.48**	
Nickel	30	310	22.8		16.9		23.1		18.8		28.3	
Potassium	NA	NA	1,860		1,340		993		813		692	
Selenium	3.90	180	3.07		2.12		2.75		1.59		3.02	
Silver	2	180	0.62	*U*	0.57	*U*	0.59	*U*	0.71	*U*	0.57	*U*
Sodium	NA	NA	176		266		234		303		129	
Thallium	NA	NA	1.24	*U*	1.14	*U*	1.18	*U*	1.41	*U*	1.13	*U*
Vanadium	NA	NA	14.7		14.7		22.1		27.4		16.3	
Zinc	109	2,200	69.3		245		906		101		501	

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: TAL Metals in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**TP-13**		**2SB-01 5-7**		**2SB-01 9-11**		**2SB-02 5-7**	
U= Not Detected (≥ indicated value)		Sample Date	(2014-10-02)		(2016-10-24)		(2016-10-24)		(2016-10-24)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	9,370		14,000		6,350		12,500	
Antimony	NA	NA	0.59	*U*	0.589	*U*	0.613	*U*	0.618	*U*
Arsenic	13	16	7.73		6.07		4.87		3.78	
Barium	350	400	293		77.6		34.6		60.1	
Beryllium	7.2	72	0.21		0.475		0.199		0.255	
Cadmium	2.5	4.3	0.44		0.353	*U*	0.368	*U*	0.371	*U*
Calcium	NA	NA	23,400		1,050		27,100		936	
Chromium	30	180	16.1		18		9.08		13.2	
Cobalt	NA	NA	8.75		10.3		7.71		9.56	
Copper	50	270	74.1		26.5		26		18	
Iron	NA	NA	21,000		29,400		16,000		19,300	
Lead	63	400	**817**		10.4		7.86		10.1	
Magnesium	NA	NA	3,910		4,530		6,640		3,000	
Manganese	1,600	2,000	511		270		540		288	
Mercury	0.18	0.81	**3.08**		0.079		0.0445		0.0371	*U*
Nickel	30	310	20.2		25.6		16.1		16.2	
Potassium	NA	NA	781		1,740		961		1,160	
Selenium	3.90	180	3.03		2.14		1.23	*U*	1.24	*U*
Silver	2	180	0.59	*U*	0.589	*U*	0.613	*U*	0.618	*U*
Sodium	NA	NA	174		245		146		301	
Thallium	NA	NA	1.18	*U*	1.18	*U*	1.23	*U*	1.24	*U*
Vanadium	NA	NA	16.2		19.1		10.1		15.9	
Zinc	109	2,200	316		73.7		45		49.9	

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: TAL Metals in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-02 9-11**		**2SB-03 5-7**		**2SB-03 9-11**		**2SB-04 8-10**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-24)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	9,830		9,840		8,030		8,140	
Antimony	NA	NA	0.656	*U*	0.651	*U*	0.664	*U*	0.604	*U*
Arsenic	13	16	7.69		4.52		4.41		**28.2**	
Barium	350	400	80.8		53.7		48.6		93.8	
Beryllium	7.2	72	0.319		0.341		0.255		0.305	
Cadmium	2.5	4.3	0.394	*U*	0.391	*U*	0.398	*U*	0.362	*U*
Calcium	NA	NA	2,080		1,650		1,560		28,300	
Chromium	30	180	12.6		12.7		10.6		10.7	
Cobalt	NA	NA	11.7		11		9.08		9.29	
Copper	50	270	34.9		36.4		31.5		35.5	
Iron	NA	NA	24,600		22,600		19,000		21,200	
Lead	63	400	11.6		11.1		9.96		10.7	
Magnesium	NA	NA	3,890		3,420		3,050		4,530	
Manganese	1,600	2,000	610		485		479		482	
Mercury	0.18	0.81	0.0458		0.0569		0.0486		0.0362	*U*
Nickel	30	310	23.4		22.2		18.1		20.2	
Potassium	NA	NA	1,410		1,290		1,180		1,100	
Selenium	3.90	180	1.56		1.3	*U*	1.33	*U*	1.21	*U*
Silver	2	180	0.656	*U*	0.651	*U*	0.664	*U*	0.604	*U*
Sodium	NA	NA	165		172		165		179	
Thallium	NA	NA	1.31	*U*	1.3	*U*	1.33	*U*	1.21	*U*
Vanadium	NA	NA	14.5		14.4		12.4		12.4	
Zinc	109	2,200	77.4		68.7		62.2		77.3	

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: TAL Metals in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-04 18-20**		**2SB-05 6-8**		**2SB-05 9-11**		**2SB-06 4.5-6.5**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-25)	
Data above SCOs shown in **Bold**		Dilution Factor	1		10		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	5,000		9,040		7,190		7,190	
Antimony	NA	NA	0.519	*U*	0.632	*U*	0.526	*U*	0.526	*U*
Arsenic	13	16	5.74		7.56		6.88		6.88	
Barium	350	400	28.6		125		38.6		38.6	
Beryllium	7.2	72	0.169		0.289		0.334		0.334	
Cadmium	2.5	4.3	0.311	*U*	0.379	*U*	0.315	*U*	0.315	*U*
Calcium	NA	NA	26,500		2,180		1,300		1,300	
Chromium	30	180	7.16		11.1		8.87		8.87	
Cobalt	NA	NA	6.5		9.32		10.3		10.3	
Copper	50	270	24.5		35.2		27.3		27.3	
Iron	NA	NA	13,500		22,500		18,500		18,500	
Lead	63	400	6.68		14.1		9.97		9.97	
Magnesium	NA	NA	6,030		3,000		2,470		2,470	
Manganese	1,600	2,000	530		**2,880**	*D*	319		319	
Mercury	0.18	0.81	0.0314		0.0516		0.0555		0.0555	
Nickel	30	310	12.6		23.6		20		20	
Potassium	NA	NA	791		1,300		906		906	
Selenium	3.90	180	1.04	*U*	2.5		1.05	*U*	1.05	*U*
Silver	2	180	0.519	*U*	0.632	*U*	0.526	*U*	0.526	*U*
Sodium	NA	NA	122		141		144		144	
Thallium	NA	NA	1.04	*U*	2.41		1.05	*U*	1.05	*U*
Vanadium	NA	NA	8.45		12.5		11.6		11.6	
Zinc	109	2,200	54.4		77.9		68.8		68.8	

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: TAL Metals in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-06 10-12**		**2SB-07 4.5-6.5**		**2SB-07 9-11**		**2SB-08 1-3**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	7,550		9,300		7,260		9,570	
Antimony	NA	NA	0.645	*U*	0.636	*U*	0.63	*U*	0.577	*U*
Arsenic	13	16	**30.8**		6.55		4.85		2.29	
Barium	350	400	108		59.3		48.4		31.9	
Beryllium	7.2	72	0.438		0.391		0.301		0.278	
Cadmium	2.5	4.3	0.387	*U*	0.382	*U*	0.378	*U*	0.346	*U*
Calcium	NA	NA	22,400		1,650		29,300		867	
Chromium	30	180	9.75		11.3		10.1		9.72	
Cobalt	NA	NA	6.93		11.8		8.76		7.22	
Copper	50	270	25.2		33.1		28.4		14.3	
Iron	NA	NA	20,100		22,600		18,400		15,000	
Lead	63	400	9.76		11.5		8.98		7.97	
Magnesium	NA	NA	4,790		3,260		6,930		2,610	
Manganese	1,600	2,000	375		1,070		587		613	
Mercury	0.18	0.81	0.0387	*U*	0.0382	*U*	0.0425		0.048	
Nickel	30	310	17.6		22.4		18.8		14.8	
Potassium	NA	NA	1,130		1,280		1,080		672	
Selenium	3.90	180	1.49		1.35		1.26	*U*	1.15	*U*
Silver	2	180	0.645	*U*	0.636	*U*	0.63	*U*	0.577	*U*
Sodium	NA	NA	142		187		140		193	
Thallium	NA	NA	1.29	*U*	1.37		1.26	*U*	1.15	*U*
Vanadium	NA	NA	11		13.2		11.4		12.7	
Zinc	109	2,200	55.1		67		54.6		37.5	

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: TAL Metals in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-09 9-11**		**2SB-10 13-15**		**2SB-11 12-14**		**2SB-12 4-6**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	9,950		6,600		6,460		9,500	
Antimony	NA	NA	0.649	*U*	0.644	*U*	0.637	*U*	0.571	*U*
Arsenic	13	16	5.33		6.4		4.73		1.58	
Barium	350	400	56.3		47		35.2		41	
Beryllium	7.2	72	0.459		0.268		0.255		0.35	
Cadmium	2.5	4.3	0.39	*U*	0.386	*U*	0.382	*U*	0.342	*U*
Calcium	NA	NA	11,100		24,700		21,500		2,020	
Chromium	30	180	13.4		8.95		8.62		11.2	
Cobalt	NA	NA	10.8		7.89		7.5		8.12	
Copper	50	270	36.2		25.2		23.3		24.1	
Iron	NA	NA	23,300		16,000		15,100		20,700	
Lead	63	400	11.9		8.39		7.86		24.1	
Magnesium	NA	NA	4,170		5,290		5,390		3,960	
Manganese	1,600	2,000	674		423		501		641	
Mercury	0.18	0.81	0.0526		0.0444		0.043		0.0795	
Nickel	30	310	24.3		16.8		15.9		18	
Potassium	NA	NA	1,590		1,040		1,030		1,230	
Selenium	3.90	180	1.3	*U*	1.29	*U*	1.27	*U*	1.49	
Silver	2	180	0.649	*U*	0.644	*U*	0.637	*U*	0.571	*U*
Sodium	NA	NA	227		140		173		207	
Thallium	NA	NA	1.3	*U*	1.29	*U*	1.27	*U*	1.14	*U*
Vanadium	NA	NA	15.6		10.6		9.8		11.9	
Zinc	109	2,200	65.8		51.6		47		53.6	

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: TAL Metals in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-13 8-10**		**2SB-14 12-14**		**2SB-15 7-9**		**MW-01 6-8**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-26)		(2016-10-26)	
Data above SCOs shown in **Bold**		Dilution Factor	10		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	10,800		8,980		10,300		14,700	
Antimony	NA	NA	0.616	*U*	0.635	*U*	0.644	*U*	0.648	*U*
Arsenic	13	16	12.1		6.92		6.88		5.37	
Barium	350	400	106		72.5		61		101	
Beryllium	7.2	72	0.428		0.373		0.397		0.557	
Cadmium	2.5	4.3	0.37	*U*	0.381	*U*	0.386	*U*	0.389	*U*
Calcium	NA	NA	3,860		23,900		1,930		2,000	
Chromium	30	180	14.5		12.4		13.5		19.2	
Cobalt	NA	NA	12		10.5		9.94		13.8	
Copper	50	270	31.3		31.3		35.3		31	
Iron	NA	NA	24,600		23,300		24,800		27,800	
Lead	63	400	13.9		20.5		11.9		11.1	
Magnesium	NA	NA	4,790		6,640		3,880		4,560	
Manganese	1,600	2,000	**3,070**	*D*	689		554		692	
Mercury	0.18	0.81	0.102		0.0677		0.059		0.0643	
Nickel	30	310	31.6		22.9		22.4		28.2	
Potassium	NA	NA	1,920		1,310		1,310		2,280	
Selenium	3.90	180	2.08		1.27	*U*	1.29	*U*	1.47	
Silver	2	180	0.616	*U*	0.635	*U*	0.644	*U*	0.648	*U*
Sodium	NA	NA	264		225		154		204	
Thallium	NA	NA	4.31		1.27	*U*	1.29	*U*	1.3	*U*
Vanadium	NA	NA	14.8		13.6		15.2		19.3	
Zinc	109	2,200	66.5		67.5		74.2		78.9	

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: TAL Metals in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**MW-02 5.5-7.5**		**MW-03 0-2**		**MW-03 8-10**		**MW-04 6-8**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	8,970		10,500		9,220		12,700	
Antimony	NA	NA	0.636	*U*	0.575	*U*	0.588	*U*	0.543	*U*
Arsenic	13	16	10.2		4.62		4.05		4.17	
Barium	350	400	58.5		110		59.6		34.6	
Beryllium	7.2	72	0.368		0.41		0.342		0.455	
Cadmium	2.5	4.3	0.382	*U*	0.345	*U*	0.353	*U*	0.326	*U*
Calcium	NA	NA	2,000		5,610		2,000		1,330	
Chromium	30	180	12.3		11.8		12.9		15.9	
Cobalt	NA	NA	11.5		9.95		8.65		12.1	
Copper	50	270	38.2		40.5		18.2		28.2	
Iron	NA	NA	26,900		29,100		19,200		27,100	
Lead	63	400	12.1		363		32.6		11.3	
Magnesium	NA	NA	3,120		3,890		4,170		5,720	
Manganese	1,600	2,000	995		571		321		179	
Mercury	0.18	0.81	0.0382	*U*	**1.17**		0.319		0.0452	
Nickel	30	310	20.4		22.2		17.9		27.4	
Potassium	NA	NA	1,090		925		1,020		1,150	
Selenium	3.90	180	1.27	*U*	1.16		1.18	*U*	2.36	
Silver	2	180	0.636	*U*	0.575	*U*	0.588	*U*	0.543	*U*
Sodium	NA	NA	144		108		102		135	
Thallium	NA	NA	1.27	*U*	1.15	*U*	1.18	*U*	1.09	*U*
Vanadium	NA	NA	14.7		14		12.3		15.5	
Zinc	109	2,200	85.7		117		53.2		73.7	

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: TAL Metals in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**MW-04 8-10**		**MW-05 5-7**		**MW-06 16-18**		**Dup-20161026**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	14,500		11,100		8,110		5,530	
Antimony	NA	NA	0.64	*U*	0.57	*U*	0.676	*U*	0.635	*U*
Arsenic	13	16	**97.9**		3.86		6.44		1.71	
Barium	350	400	131		52.6		50.7		18.6	
Beryllium	7.2	72	0.666		0.306		0.337		0.127	*U*
Cadmium	2.5	4.3	0.384	*U*	0.342	*U*	0.405	*U*	0.381	*U*
Calcium	NA	NA	2,720		1,430		33,100		1,250	
Chromium	30	180	23.3		12.9		11.2		7.44	
Cobalt	NA	NA	15.2		8.08		9.96		3.36	
Copper	50	270	39.2		15.2		29.2		11.4	
Iron	NA	NA	38,400		21,900		20,500		8,510	
Lead	63	400	13.3		7		10.6		34.8	
Magnesium	NA	NA	5,420		4,140		7,750		2,810	
Manganese	1,600	2,000	1,080		216		633		234	
Mercury	0.18	0.81	0.0545		0.0387		0.0447		0.0381	*U*
Nickel	30	310	32.4		19.1		20.7		9.6	
Potassium	NA	NA	2,340		1,240		1,080		564	
Selenium	3.90	180	2.85		1.14	*U*	1.35	*U*	1.27	*U*
Silver	2	180	0.64	*U*	0.57	*U*	0.676	*U*	0.635	*U*
Sodium	NA	NA	357		190		153		105	
Thallium	NA	NA	1.28	*U*	1.14	*U*	1.35	*U*	1.27	*U*
Vanadium	NA	NA	22.5		14.9		11.9		9.21	
Zinc	109	2,200	118		52.6		59.8		20.2	

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: Pesticides and PCBs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**TP-04**		**TP-08**		**TP-13**		**2SB-01 5-7**		**2SB-01 9-11**	
U= Not Detected (≥ indicated value)		Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)		(2016-10-24)		(2016-10-24)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
4,4'-DDE	0.0033	8.9	0.0028	*U*	**20.1**	*D*	0.0029	*U*	0.00194	*U*	0.00202	*U*
4,4'-DDT	0.0033	7.9	0.0028	*U*	**44**	*D*	0.0029	*U*	0.00194	*U*	0.00202	*U*
Aldrin	0.005	0.097	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
alpha-BHC	0.02	0.48	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
alpha-Chlordane	0.094	4.2	0.0028	*U*	**64.7**	*D*	0.0029	*U*	0.00194	*U*	0.00202	*U*
beta-BHC	0.036	0.36	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
delta-BHC	0.04	100	0.0028	*U*	0.0029	*U*	0.12	*U*	0.0389	*U*	0.0405	*U*
Chlordane, total	NA	NA	0.11	*U*	482	*D*	0.0029	*U*	0.00194	*U*	0.00202	*U*
Dieldrin	0.005	0.2	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
Endosulfan I	2.4	200	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
Endosulfan II	2.4	200	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
Endosulfan sulfate	2.4	200	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
Endrin	0.014	11	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
Endrin aldehyde	NA	NA	0.0028	*U*	5.11	*D*	0.0029	*U*	0.00194	*U*	0.00202	*U*
Endrin ketone	NA	NA	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
gamma-BHC (Lindane)	0.1	1.3	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
gamma-Chlordane	NA	NA	0.0028	*U*	73.8	*D*	0.0029	*U*	0.00194	*U*	0.00202	*U*
Heptachlor	0.042	2.1	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
Heptachlor Epoxide	NA	NA	0.0028	*U*	0.0029	*U*	0.0029	*U*	0.00194	*U*	0.00202	*U*
Methoxychlor	NA	NA	0.014	*U*	0.015	*U*	0.015	*U*	0.00972	*U*	0.0101	*U*
Toxaphene	NA	NA	0.14	*U*	0.15	*U*	0.15	*U*	0.0984	*U*	0.102	*U*

		Sample ID	**TP-04**		**TP-08**		**TP-13**		**2SB-01 5-7**		**2SB-01 9-11**	
		Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)		(2016-10-24)		(2016-10-24)	
		Dilution Factor	1		1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*	0.0196	*U*	0.0204	*U*
Aroclor 1221	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*	0.0196	*U*	0.0204	*U*
Aroclor 1232	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*	0.0196	*U*	0.0204	*U*
Aroclor 1242	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*	0.0196	*U*	0.0204	*U*
Aroclor 1248	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*	0.0196	*U*	0.0204	*U*
Aroclor 1254	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*	0.0196	*U*	0.0204	*U*
Aroclor 1260	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*	0.0196	*U*	0.0204	*U*
Aroclor, Total	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*	0.0196	*U*	0.0204	*U*

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: Pesticides and PCBs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-02 5-7**		**2SB-02 9-11**		**2SB-03 5-7**		**2SB-03 9-11**		**2SB-04 8-10**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-24)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
4,4'-DDE	0.0033	8.9	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
4,4'-DDT	0.0033	7.9	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
Aldrin	0.005	0.097	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
alpha-BHC	0.02	0.48	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
alpha-Chlordane	0.094	4.2	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
beta-BHC	0.036	0.36	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
delta-BHC	0.04	100	0.0408	*U*	0.0433	*U*	0.043	*U*	0.0438	*U*	0.0399	*U*
Chlordane, total	NA	NA	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
Dieldrin	0.005	0.2	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
Endosulfan I	2.4	200	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
Endosulfan II	2.4	200	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
Endosulfan sulfate	2.4	200	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
Endrin	0.014	11	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
Endrin aldehyde	NA	NA	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
Endrin ketone	NA	NA	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
gamma-BHC (Lindane)	0.1	1.3	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
gamma-Chlordane	NA	NA	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
Heptachlor	0.042	2.1	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
Heptachlor Epoxide	NA	NA	0.00204	*U*	0.00217	*U*	0.00215	*U*	0.00219	*U*	0.00199	*U*
Methoxychlor	NA	NA	0.0102	*U*	0.0108	*U*	0.0107	*U*	0.011	*U*	0.00996	*U*
Toxaphene	NA	NA	0.103	*U*	0.11	*U*	0.109	*U*	0.111	*U*	0.101	*U*

		Sample ID	**2SB-02 5-7**		**2SB-02 9-11**		**2SB-03 5-7**		**2SB-03 9-11**		**2SB-04 8-10**	
		Sample Date	(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-24)	
		Dilution Factor	1		1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0206	*U*	0.0219	*U*	0.0217	*U*	0.0221	*U*	0.0201	*U*
Aroclor 1221	0.1	1.00	0.0206	*U*	0.0219	*U*	0.0217	*U*	0.0221	*U*	0.0201	*U*
Aroclor 1232	0.1	1.00	0.0206	*U*	0.0219	*U*	0.0217	*U*	0.0221	*U*	0.0201	*U*
Aroclor 1242	0.1	1.00	0.0206	*U*	0.0219	*U*	0.0217	*U*	0.0221	*U*	0.0201	*U*
Aroclor 1248	0.1	1.00	0.0206	*U*	0.0219	*U*	0.0217	*U*	0.0221	*U*	0.0201	*U*
Aroclor 1254	0.1	1.00	0.0206	*U*	0.0219	*U*	0.0217	*U*	0.0221	*U*	0.0201	*U*
Aroclor 1260	0.1	1.00	0.0206	*U*	0.0219	*U*	0.0217	*U*	0.0221	*U*	0.0201	*U*
Aroclor, Total	0.1	1.00	0.0206	*U*	0.0219	*U*	0.0217	*U*	0.0221	*U*	0.0201	*U*

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: Pesticides and PCBs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-04 18-20**		**2SB-05 6-8**		**2SB-05 9-11**		**2SB-06 4.5-6.5**		**2SB-06 10-12**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-25)		(2016-10-25)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
4,4'-DDE	0.0033	8.9	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
4,4'-DDT	0.0033	7.9	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
Aldrin	0.005	0.097	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
alpha-BHC	0.02	0.48	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
alpha-Chlordane	0.094	4.2	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
beta-BHC	0.036	0.36	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
delta-BHC	0.04	100	0.0342	*U*	0.0417	*U*	0.0417	*U*	0.0347	*U*	0.0425	*U*
Chlordane, total	NA	NA	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
Dieldrin	0.005	0.2	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
Endosulfan I	2.4	200	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
Endosulfan II	2.4	200	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
Endosulfan sulfate	2.4	200	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
Endrin	0.014	11	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
Endrin aldehyde	NA	NA	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
Endrin ketone	NA	NA	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
gamma-BHC (Lindane)	0.1	1.3	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
gamma-Chlordane	NA	NA	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
Heptachlor	0.042	2.1	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
Heptachlor Epoxide	NA	NA	0.00171	*U*	0.00208	*U*	0.00208	*U*	0.00173	*U*	0.00213	*U*
Methoxychlor	NA	NA	0.00856	*U*	0.0104	*U*	0.0104	*U*	0.00867	*U*	0.0106	*U*
Toxaphene	NA	NA	0.0866	*U*	0.106	*U*	0.105	*U*	0.0878	*U*	0.108	*U*

		Sample ID	**2SB-04 18-20**		**2SB-05 6-8**		**2SB-05 9-11**		**2SB-06 4.5-6.5**		**2SB-06 10-12**	
		Sample Date	(2016-10-24)		(2016-10-24)		(2016-10-24)		(2016-10-25)		(2016-10-25)	
		Dilution Factor	1		1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0173	*U*	0.0211	*U*	0.021	*U*	0.0175	*U*	0.0215	*U*
Aroclor 1221	0.1	1.00	0.0173	*U*	0.0211	*U*	0.021	*U*	0.0175	*U*	0.0215	*U*
Aroclor 1232	0.1	1.00	0.0173	*U*	0.0211	*U*	0.021	*U*	0.0175	*U*	0.0215	*U*
Aroclor 1242	0.1	1.00	0.0173	*U*	0.0211	*U*	0.021	*U*	0.0175	*U*	0.0215	*U*
Aroclor 1248	0.1	1.00	0.0173	*U*	0.0211	*U*	0.021	*U*	0.0175	*U*	0.0215	*U*
Aroclor 1254	0.1	1.00	0.0173	*U*	0.0211	*U*	0.021	*U*	0.0175	*U*	0.0215	*U*
Aroclor 1260	0.1	1.00	0.0173	*U*	0.0211	*U*	0.021	*U*	0.0175	*U*	0.0215	*U*
Aroclor, Total	0.1	1.00	0.0173	*U*	0.0211	*U*	0.021	*U*	0.0175	*U*	0.0215	*U*

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: Pesticides and PCBs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-07 4.5-6.5**		**2SB-07 9-11**		**2SB-08 1-3**		**2SB-09 9-11**		**2SB-10 13-15**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
4,4'-DDE	0.0033	8.9	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
4,4'-DDT	0.0033	7.9	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
Aldrin	0.005	0.097	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
alpha-BHC	0.02	0.48	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
alpha-Chlordane	0.094	4.2	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
beta-BHC	0.036	0.36	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
delta-BHC	0.04	100	0.042	*U*	0.0416	*U*	0.0381	*U*	0.0429	*U*	0.0425	*U*
Chlordane, total	NA	NA	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
Dieldrin	0.005	0.2	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
Endosulfan I	2.4	200	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
Endosulfan II	2.4	200	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
Endosulfan sulfate	2.4	200	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
Endrin	0.014	11	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
Endrin aldehyde	NA	NA	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
Endrin ketone	NA	NA	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
gamma-BHC (Lindane)	0.1	1.3	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
gamma-Chlordane	NA	NA	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
Heptachlor	0.042	2.1	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
Heptachlor Epoxide	NA	NA	0.0021	*U*	0.00208	*U*	0.00191	*U*	0.00214	*U*	0.00212	*U*
Methoxychlor	NA	NA	0.0105	*U*	0.0104	*U*	0.00953	*U*	0.0107	*U*	0.0106	*U*
Toxaphene	NA	NA	0.106	*U*	0.105	*U*	0.0964	*U*	0.108	*U*	0.108	*U*

		Sample ID	**2SB-07 4.5-6.5**		**2SB-07 9-11**		**2SB-08 1-3**		**2SB-09 9-11**		**2SB-10 13-15**	
		Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)	
		Dilution Factor	1		1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0212	*U*	0.021	*U*	0.0192	*U*	0.0216	*U*	0.0215	*U*
Aroclor 1221	0.1	1.00	0.0212	*U*	0.021	*U*	0.0192	*U*	0.0216	*U*	0.0215	*U*
Aroclor 1232	0.1	1.00	0.0212	*U*	0.021	*U*	0.0192	*U*	0.0216	*U*	0.0215	*U*
Aroclor 1242	0.1	1.00	0.0212	*U*	0.021	*U*	0.0192	*U*	0.0216	*U*	0.0215	*U*
Aroclor 1248	0.1	1.00	0.0212	*U*	0.021	*U*	0.0192	*U*	0.0216	*U*	0.0215	*U*
Aroclor 1254	0.1	1.00	0.0212	*U*	0.021	*U*	0.0192	*U*	0.0216	*U*	0.0215	*U*
Aroclor 1260	0.1	1.00	0.0212	*U*	0.021	*U*	0.0192	*U*	0.0216	*U*	0.0215	*U*
Aroclor, Total	0.1	1.00	0.0212	*U*	0.021	*U*	0.0192	*U*	0.0216	*U*	0.0215	*U*

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: Pesticides and PCBs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**2SB-11 12-14**		**2SB-12 4-6**		**2SB-13 8-10**		**2SB-14 12-14**		**2SB-15 7-9**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-26)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
4,4'-DDE	0.0033	8.9	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
4,4'-DDT	0.0033	7.9	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
Aldrin	0.005	0.097	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
alpha-BHC	0.02	0.48	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
alpha-Chlordane	0.094	4.2	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
beta-BHC	0.036	0.36	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
delta-BHC	0.04	100	0.0421	*U*	0.0377	*U*	0.0407	*U*	0.0419	*U*	0.0425	*U*
Chlordane, total	NA	NA	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
Dieldrin	0.005	0.2	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
Endosulfan I	2.4	200	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
Endosulfan II	2.4	200	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
Endosulfan sulfate	2.4	200	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
Endrin	0.014	11	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
Endrin aldehyde	NA	NA	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
Endrin ketone	NA	NA	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
gamma-BHC (Lindane)	0.1	1.3	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
gamma-Chlordane	NA	NA	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
Heptachlor	0.042	2.1	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
Heptachlor Epoxide	NA	NA	0.0021	*U*	0.00188	*U*	0.00203	*U*	0.0021	*U*	0.00212	*U*
Methoxychlor	NA	NA	0.0105	*U*	0.00942	*U*	0.0102	*U*	0.0105	*U*	0.0106	*U*
Toxaphene	NA	NA	0.106	*U*	0.0953	*U*	0.103	*U*	0.106	*U*	0.108	*U*

		Sample ID	**2SB-11 12-14**		**2SB-12 4-6**		**2SB-13 8-10**		**2SB-14 12-14**		**2SB-15 7-9**	
		Sample Date	(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-25)		(2016-10-26)	
		Dilution Factor	1		1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0212	*U*	0.019	*U*	0.0205	*U*	0.0212	*U*	0.0215	*U*
Aroclor 1221	0.1	1.00	0.0212	*U*	0.019	*U*	0.0205	*U*	0.0212	*U*	0.0215	*U*
Aroclor 1232	0.1	1.00	0.0212	*U*	0.019	*U*	0.0205	*U*	0.0212	*U*	0.0215	*U*
Aroclor 1242	0.1	1.00	0.0212	*U*	0.019	*U*	0.0205	*U*	0.0212	*U*	0.0215	*U*
Aroclor 1248	0.1	1.00	0.0212	*U*	0.019	*U*	0.0205	*U*	0.0212	*U*	0.0215	*U*
Aroclor 1254	0.1	1.00	0.0212	*U*	0.019	*U*	0.0205	*U*	0.0212	*U*	0.0215	*U*
Aroclor 1260	0.1	1.00	0.0212	*U*	0.019	*U*	0.0205	*U*	0.0212	*U*	0.0215	*U*
Aroclor, Total	0.1	1.00	0.0212	*U*	0.019	*U*	0.0205	*U*	0.0212	*U*	0.0215	*U*

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: Pesticides and PCBs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**MW-01 6-8**		**MW-02 5.5-7.5**		**MW-03 0-2**		**MW-03 8-10**		**MW-04 6-8**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
4,4'-DDE	0.0033	8.9	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
4,4'-DDT	0.0033	7.9	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
Aldrin	0.005	0.097	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
alpha-BHC	0.02	0.48	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
alpha-Chlordane	0.094	4.2	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
beta-BHC	0.036	0.36	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
delta-BHC	0.04	100	0.0428	*U*	0.042	*U*	0.0379	*U*	0.0388	*U*	0.0359	*U*
Chlordane, total	NA	NA	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
Dieldrin	0.005	0.2	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
Endosulfan I	2.4	200	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
Endosulfan II	2.4	200	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
Endosulfan sulfate	2.4	200	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
Endrin	0.014	11	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
Endrin aldehyde	NA	NA	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
Endrin ketone	NA	NA	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
gamma-BHC (Lindane)	0.1	1.3	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
gamma-Chlordane	NA	NA	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
Heptachlor	0.042	2.1	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
Heptachlor Epoxide	NA	NA	0.00214	*U*	0.0021	*U*	0.0019	*U*	0.00194	*U*	0.00179	*U*
Methoxychlor	NA	NA	0.0107	*U*	0.0105	*U*	0.00948	*U*	0.0097	*U*	0.00897	*U*
Toxaphene	NA	NA	0.108	*U*	0.106	*U*	0.096	*U*	0.0982	*U*	0.0908	*U*

		Sample ID	**MW-01 6-8**		**MW-02 5.5-7.5**		**MW-03 0-2**		**MW-03 8-10**		**MW-04 6-8**	
		Sample Date	(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)	
		Dilution Factor	1		1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0216	*U*	0.0212	*U*	0.0192	*U*	0.0196	*U*	0.0181	*U*
Aroclor 1221	0.1	1.00	0.0216	*U*	0.0212	*U*	0.0192	*U*	0.0196	*U*	0.0181	*U*
Aroclor 1232	0.1	1.00	0.0216	*U*	0.0212	*U*	0.0192	*U*	0.0196	*U*	0.0181	*U*
Aroclor 1242	0.1	1.00	0.0216	*U*	0.0212	*U*	0.0192	*U*	0.0196	*U*	0.0181	*U*
Aroclor 1248	0.1	1.00	0.0216	*U*	0.0212	*U*	0.0192	*U*	0.0196	*U*	0.0181	*U*
Aroclor 1254	0.1	1.00	0.0216	*U*	0.0212	*U*	0.0192	*U*	0.0196	*U*	0.0181	*U*
Aroclor 1260	0.1	1.00	0.0216	*U*	0.0212	*U*	0.0192	*U*	0.0196	*U*	0.0181	*U*
Aroclor, Total	0.1	1.00	0.0216	*U*	0.0212	*U*	0.0192	*U*	0.0196	*U*	0.0181	*U*

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: Pesticides and PCBs in Soil
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million)		**Sample ID**	**MW-04 8-10**		**MW-05 5-7**		**MW-06 16-18**		**Dup-20161026**	
U= Not Detected (≥ indicated value)		Sample Date	(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
4,4'-DDE	0.0033	8.9	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
4,4'-DDT	0.0033	7.9	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
Aldrin	0.005	0.097	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
alpha-BHC	0.02	0.48	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
alpha-Chlordane	0.094	4.2	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
beta-BHC	0.036	0.36	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
delta-BHC	0.04	100	0.0422	*U*	0.0376	*U*	0.0446	*U*	0.0419	*U*
Chlordane, total	NA	NA	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
Dieldrin	0.005	0.2	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
Endosulfan I	2.4	200	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
Endosulfan II	2.4	200	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
Endosulfan sulfate	2.4	200	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
Endrin	0.014	11	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
Endrin aldehyde	NA	NA	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
Endrin ketone	NA	NA	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
gamma-BHC (Lindane)	0.1	1.3	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
gamma-Chlordane	NA	NA	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
Heptachlor	0.042	2.1	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
Heptachlor Epoxide	NA	NA	0.00211	*U*	0.00188	*U*	0.00223	*U*	0.0021	*U*
Methoxychlor	NA	NA	0.0106	*U*	0.00941	*U*	0.0111	*U*	0.0105	*U*
Toxaphene	NA	NA	0.107	*U*	0.0952	*U*	0.113	*U*	0.106	*U*

		Sample ID	**MW-04 8-10**		**MW-05 5-7**		**MW-06 16-18**		**Dup-20161026**	
		Sample Date	(2016-10-26)		(2016-10-26)		(2016-10-26)		(2016-10-26)	
		Dilution Factor	1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0213	*U*	0.019	*U*	0.0225	*U*	0.0212	*U*
Aroclor 1221	0.1	1.00	0.0213	*U*	0.019	*U*	0.0225	*U*	0.0212	*U*
Aroclor 1232	0.1	1.00	0.0213	*U*	0.019	*U*	0.0225	*U*	0.0212	*U*
Aroclor 1242	0.1	1.00	0.0213	*U*	0.019	*U*	0.0225	*U*	0.0212	*U*
Aroclor 1248	0.1	1.00	0.0213	*U*	0.019	*U*	0.0225	*U*	0.0212	*U*
Aroclor 1254	0.1	1.00	0.0213	*U*	0.019	*U*	0.0225	*U*	0.0212	*U*
Aroclor 1260	0.1	1.00	0.0213	*U*	0.019	*U*	0.0225	*U*	0.0212	*U*
Aroclor, Total	0.1	1.00	0.0213	*U*	0.019	*U*	0.0225	*U*	0.0212	*U*

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 8: VOCs in Groundwater
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/L (parts per billion)	**Sample ID**	**TMW-01**		**TMW-02**		**TWW-03**		**MW-01**		**MW-02**	
U= Not Detected (≥ indicated value)	Date	(2016-02-26)		(2016-02-26)		(2016-02-26)		(2016-11-10)		(2016-11-10)	
Data above AWQS shown in **Bold**	Factor	1		1		1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-Trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-Tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-Trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-Dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-Dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-Trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-Trichloropropane	0.04	0.2	*U*	**0.2**	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-Trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-Trimethylbenzene	5	**7.7**		0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dibromo-3-chloropropane	0.04	0.2	*U*	**0.2**	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-Trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-Dioxane	NA	40	*U*	40	*U*	40	*U*	40	*U*	40	*U*
2-Butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
2-Hexanone	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
4-Methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Acetone	50	1.6	*JB*	2.5	*B*	1.6	*JB*	1	*U*	1	*U*
Acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-Dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-Dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Ethyl Benzene	5	**16**		0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Isopropylbenzene	5	2.1		0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.3	*J*	0.2	*U*	0.2	*U*	0.2	*U*
Methylcyclohexane	NA	1.1		0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Methylene chloride	5	1	*U*	1	*U*	1	*U*	1	*U*	1	*U*
n-Butylbenzene	5	4.5		0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
n-Propylbenzene	5	**6.6**		0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
o-Xylene	5	1.3		0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- Xylenes	5	**5.1**		0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*
p-Isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
sec-Butylbenzene	5	1.9		0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tert-Butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*	0.5	*U*	0.52	*J*	0.51	*J*
tert-Butylbenzene	5	0.43	*J*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Tetrachloroethylene (PCE)	5	0.23	*J*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-Dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-Dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Xylenes, Total	5	**6.4**		0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*
	8260 list VOCs	48.6		2.8		1.6		0.5		0.5	
Total Values	**TICs and unknown**	*NA*		*NA*		*NA*		ND		ND	
	All VOCS	**48.6**		**2.8**		**1.6**		**0.5**		**0.5**	

Analyte Detected

Analyte above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 8: VOCs in Groundwater
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/L (parts per billion)	**Sample ID**	**MW-03**		**MW-04**		**MW-05**		**MW-06**		**DUP-20161110**	
U= Not Detected (≥ indicated value)	Date	(2016-11-10)		(2016-11-10)		(2016-11-10)		(2016-11-10)		(2016-11-10)	
Data above AWQS shown in **Bold**	Factor	1		1		1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-Trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-Tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-Trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-Dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-Dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-Trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-Trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-Trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-Trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-Trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-Dioxane	NA	40	*U*	40	*U*	40	*U*	40	*U*	40	*U*
2-Butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
2-Hexanone	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
4-Methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Acetone	50	1	*U*	1	*U*	1	*U*	1	*U*	1	*U*
Acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-Dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-Dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Ethyl Benzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Methylcyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Methylene chloride	5	1	*U*	1	*U*	1	*U*	1	*U*	1	*U*
n-Butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
n-Propylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
o-Xylene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- Xylenes	5	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*
p-Isopropyltoluene	5	0.2	*U*	0.5		0.2	*U*	0.2	*U*	0.2	*U*
sec-Butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tert-Butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*
tert-Butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-Dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-Dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Xylenes, Total	5	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*
	8260 list VOCs	ND		0.5		ND		ND		ND	
Total Values	**TICs and unknown**	ND		ND		1.8		45		ND	
	All VOCS	**ND**		**0.5**		**1.8**		**ND**		**ND**	

Analyte Detected

Analyte above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 8: VOCs in Groundwater
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/L (parts per billion)	**Sample ID**	**TB-20161024**		**TB-20161025**		**TB-20161026**		**TB-20161110**	
U= Not Detected (≥ indicated value)	Date	(2016-10-24)		(2016-10-25)		(2016-10-26)		(2016-11-10)	
Data above AWQS shown in **Bold**	Factor	1		1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-Trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-Tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-Trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-Dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,1-Dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-Trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-Trichloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-Trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-Trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dibromo-3-chloropropane	0.04	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-Trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,3-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
1,4-Dioxane	NA	40	*U*	40	*U*	40	*U*	40	*U*
2-Butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
2-Hexanone	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
4-Methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Acetone	50	3.2		1	*U*	2.9		1	*U*
Acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Benzene	1	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-Dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-Dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Ethyl Benzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Isopropylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Methylcyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Methylene chloride	5	1	*U*	1	*U*	1	*U*	1	*U*
n-Butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
n-Propylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
o-Xylene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
p- & m- Xylenes	5	0.5	*U*	0.5	*U*	0.5	*U*	0.5	*U*
p-Isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
sec-Butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Styrene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
tert-Butyl alcohol (TBA)	NA	1.9		1.9	*J*	1.5		2.2	
tert-Butylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Tetrachloroethylene (PCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Toluene	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-Dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-Dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*	0.2	*U*
Xylenes, Total	5	0.6	*U*	0.6	*U*	0.6	*U*	0.6	*U*
	8260 list VOCs	5.1		1.9		4.4		2.2	
Total Values	**TICs and unknown**	ND		ND		ND		ND	
	All VOCS	**5.1**		**1.9**		**4.4**		**2.2**	

Analyte Detected
Analyte above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 9: SVOCs in Groundwater
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-01**		**MW-02**		**MW-03**		**MW-04**		**MW-05**	
U= Not Detected (≥ indicated value)	Sample Date	(2016-11-10)		(2016-11-10)		(2016-11-10)		(2016-11-10)		(2016-11-10)	
Data above AWQS shown in **Bold**	Factor	1		1		1		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
1,2,4,5-Tetrachlorobenzene	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
1,2,4-Trichlorobenzene	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
1,2-Dichlorobenzene	3	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
1,2-Diphenylhydrazine (as Azobenzene)	ND	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
1,3-Dichlorobenzene	3	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
1,4-Dichlorobenzene	3	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2,3,4,6-Tetrachlorophenol	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2,4,5-Trichlorophenol	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2,4,6-Trichlorophenol	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2,4-Dichlorophenol	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2,4-Dimethylphenol	50	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2,4-Dinitrophenol	10	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2,4-Dinitrotoluene	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2,6-Dinitrotoluene	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2-Chloronaphthalene	10	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2-Chlorophenol	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2-Methylnaphthalene	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2-Methylphenol	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2-Nitroaniline	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
2-Nitrophenol	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
3- & 4-Methylphenols	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
3,3'-Dichlorobenzidine	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
3-Nitroaniline	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
4,6-Dinitro-2-methylphenol	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
4-Bromophenyl phenyl ether	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
4-Chloro-3-methylphenol	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
4-Chloroaniline	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
4-Chlorophenyl phenyl ether	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
4-Nitroaniline	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
4-Nitrophenol	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Acenaphthene	20	0.0513		0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Acenaphthylene	NA	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Acetophenone	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Aniline	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Anthracene	50	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Atrazine	7.5	0.513	*U*	0.513	*U*	0.513	*U*	0.513	*U*	0.513	*U*
Benzaldehyde	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Benzidine	5	10.3	*U*	10.3	*U*	10.3	*U*	10.3	*U*	10.3	*U*
Benzo(a)anthracene	0.002	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Benzo(a)pyrene	ND	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Benzo(b)fluoranthene	0.002	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Benzo(g,h,i)perylene	NA	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Benzo(k)fluoranthene	0.002	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Benzoic acid	NA	25.6	*U*	25.6	*U*	25.6	*U*	25.6	*U*	25.6	*U*
Benzyl alcohol	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Benzyl butyl phthalate	50	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Bis(2-chloroethoxy)methane	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Bis(2-chloroethyl)ether	1	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Bis(2-chloroisopropyl)ether	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Bis(2-ethylhexyl)phthalate	5	0.513	*U*	0.513	*U*	0.513	*U*	0.513	*U*	0.513	*U*
Caprolactam	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Carbazole	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Chrysene	0.002	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Dibenzo(a,h)anthracene	NA	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Dibenzofuran	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Diethyl phthalate	50	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Dimethyl phthalate	50	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Di-n-butyl phthalate	50	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Di-n-octyl phthalate	50	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Fluoranthene	50	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Fluorene	50	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Hexachlorobenzene	0.04	0.0205	*U*	0.0205	*U*	0.0205	*U*	0.0205	*U*	0.0205	*U*
Hexachlorobutadiene	0.5	0.513	*U*	0.513	*U*	0.513	*U*	0.513	*U*	0.513	*U*
Hexachlorocyclopentadiene	5	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Hexachloroethane	5	0.513	*U*	0.513	*U*	0.513	*U*	0.513	*U*	0.513	*U*
Indeno(1,2,3-cd)pyrene	0.002	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Isophorone	50	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Naphthalene	10	0.103		0.0513	*U*	0.0513	*U*	0.0718		0.0513	*U*
Nitrobenzene	0.4	0.256	*U*	0.256	*U*	0.256	*U*	0.256	*U*	0.256	*U*
N-Nitrosodimethylamine	50	0.513	*U*	0.513	*U*	0.513	*U*	0.513	*U*	0.513	*U*
N-nitroso-di-n-propylamine	NA	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
N-Nitrosodiphenylamine	50	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Pentachlorophenol	1	0.256	*U*	0.256	*U*	0.256	*U*	0.256	*U*	0.256	*U*
Phenanthrene	50	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Phenol	1	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*	2.56	*U*
Pyrene	50	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*	0.0513	*U*
Total Values	**8270 list SVOCs**	0.154		ND		ND		0.072		ND	
	TICs and unknown	ND		ND		ND		ND		ND	
	All SVOCs	**0.154**		**ND**		**ND**		**0.072**		**ND**	

Analyte Detected

Analyte above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 9: SVOCs in Groundwater
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/L (parts per billion, ppb)	**Sample ID**	**MW-06**		**DUP-20161110**	
U= Not Detected (≥ indicated value)	Sample Date	(2016-11-10)		(2016-11-10)	
Data above AWQS shown in **Bold**	Factor	1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	5	2.78	*U*	2.7	*U*
1,2,4,5-Tetrachlorobenzene	5	2.78	*U*	2.7	*U*
1,2,4-Trichlorobenzene	5	2.78	*U*	2.7	*U*
1,2-Dichlorobenzene	3	2.78	*U*	2.7	*U*
1,2-Diphenylhydrazine (as Azobenzene)	ND	2.78	*U*	2.7	*U*
1,3-Dichlorobenzene	3	2.78	*U*	2.7	*U*
1,4-Dichlorobenzene	3	2.78	*U*	2.7	*U*
2,3,4,6-Tetrachlorophenol	NA	2.78	*U*	2.7	*U*
2,4,5-Trichlorophenol	NA	2.78	*U*	2.7	*U*
2,4,6-Trichlorophenol	NA	2.78	*U*	2.7	*U*
2,4-Dichlorophenol	5	2.78	*U*	2.7	*U*
2,4-Dimethylphenol	50	2.78	*U*	2.7	*U*
2,4-Dinitrophenol	10	2.78	*U*	2.7	*U*
2,4-Dinitrotoluene	5	2.78	*U*	2.7	*U*
2,6-Dinitrotoluene	5	2.78	*U*	2.7	*U*
2-Chloronaphthalene	10	2.78	*U*	2.7	*U*
2-Chlorophenol	NA	2.78	*U*	2.7	*U*
2-Methylnaphthalene	NA	2.78	*U*	2.7	*U*
2-Methylphenol	NA	2.78	*U*	2.7	*U*
2-Nitroaniline	5	2.78	*U*	2.7	*U*
2-Nitrophenol	NA	2.78	*U*	2.7	*U*
3- & 4-Methylphenols	NA	2.78	*U*	2.7	*U*
3,3'-Dichlorobenzidine	5	2.78	*U*	2.7	*U*
3-Nitroaniline	5	2.78	*U*	2.7	*U*
4,6-Dinitro-2-methylphenol	NA	2.78	*U*	2.7	*U*
4-Bromophenyl phenyl ether	NA	2.78	*U*	2.7	*U*
4-Chloro-3-methylphenol	NA	2.78	*U*	2.7	*U*
4-Chloroaniline	5	2.78	*U*	2.7	*U*
4-Chlorophenyl phenyl ether	NA	2.78	*U*	2.7	*U*
4-Nitroaniline	5	2.78	*U*	2.7	*U*
4-Nitrophenol	5	2.78	*U*	2.7	*U*
Acenaphthene	20	0.0556	*U*	0.0541	*U*
Acenaphthylene	NA	0.0556	*U*	0.0541	*U*
Acetophenone	NA	2.78	*U*	2.7	*U*
Aniline	5	2.78	*U*	2.7	*U*
Anthracene	50	0.0556	*U*	0.0541	*U*
Atrazine	7.5	0.556	*U*	0.541	*U*
Benzaldehyde	NA	2.78	*U*	2.7	*U*
Benzidine	5	11.1	*U*	10.8	*U*
Benzo(a)anthracene	0.002	0.0556	*U*	0.0541	*U*
Benzo(a)pyrene	ND	0.0556	*U*	0.0541	*U*
Benzo(b)fluoranthene	0.002	0.0556	*U*	0.0541	*U*
Benzo(g,h,i)perylene	NA	0.0556	*U*	0.0541	*U*
Benzo(k)fluoranthene	0.002	0.0556	*U*	0.0541	*U*
Benzoic acid	NA	27.8	*U*	27	*U*
Benzyl alcohol	NA	2.78	*U*	2.7	*U*
Benzyl butyl phthalate	50	2.78	*U*	2.7	*U*
Bis(2-chloroethoxy)methane	5	2.78	*U*	2.7	*U*
Bis(2-chloroethyl)ether	1	2.78	*U*	2.7	*U*
Bis(2-chloroisopropyl)ether	NA	2.78	*U*	2.7	*U*
Bis(2-ethylhexyl)phthalate	5	0.556	*U*	0.541	*U*
Caprolactam	NA	2.78	*U*	2.7	*U*
Carbazole	NA	2.78	*U*	2.7	*U*
Chrysene	0.002	0.0556	*U*	0.0541	*U*
Dibenzo(a,h)anthracene	NA	0.0556	*U*	0.0541	*U*
Dibenzofuran	NA	2.78	*U*	2.7	*U*
Diethyl phthalate	50	2.78	*U*	2.7	*U*
Dimethyl phthalate	50	2.78	*U*	2.7	*U*
Di-n-butyl phthalate	50	2.78	*U*	2.7	*U*
Di-n-octyl phthalate	50	2.78	*U*	2.7	*U*
Fluoranthene	50	0.0556	*U*	0.0541	*U*
Fluorene	50	0.0556	*U*	0.0541	*U*
Hexachlorobenzene	0.04	0.0222	*U*	0.0216	*U*
Hexachlorobutadiene	0.5	0.556	*U*	0.541	*U*
Hexachlorocyclopentadiene	5	2.78	*U*	2.7	*U*
Hexachloroethane	5	0.556	*U*	0.541	*U*
Indeno(1,2,3-cd)pyrene	0.002	0.0556	*U*	0.0541	*U*
Isophorone	50	2.78	*U*	2.7	*U*
Naphthalene	10	0.0556	*U*	0.0541	*U*
Nitrobenzene	0.4	0.278	*U*	0.27	*U*
N-Nitrosodimethylamine	50	0.556	*U*	0.541	*U*
N-nitroso-di-n-propylamine	NA	2.78	*U*	2.7	*U*
N-Nitrosodiphenylamine	50	2.78	*U*	2.7	*U*
Pentachlorophenol	1	0.278	*U*	0.27	*U*
Phenanthrene	50	0.0556	*U*	0.0541	*U*
Phenol	1	2.78	*U*	2.7	*U*
Pyrene	50	0.0556	*U*	0.0541	*U*
Total Values	**8270 list SVOCs**	ND		ND	
	TICs and unknown	ND		ND	
	All SVOCs	**ND**		**ND**	

Analyte Detected
Analyte above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 10: VOC and SVOC TICs in Groundwater
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

	Sample ID	MW-01	MW-02	MW-03	MW-04
	Sample Date	(2016-11-10)	(2016-11-10)	(2016-11-10)	(2016-11-10)
VOCs, 8260	unknown siloxane isomer(s)	ND	ND	ND	ND
SVOCs, 8270	TICs	ND	ND	ND	ND

	Sample ID	MW-05	MW-06	DUP-20161110
	Sample Date	(2016-11-10)	(2016-11-10)	(2016-11-10)
VOCs, 8260	unknown siloxane isomer(s)	1.8	45	ND
SVOCs, 8270	TICs	ND	ND	ND

Analyte Detected

All data in µg/L (parts per billion)

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 11: TAL Metals in Groundwater
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/L (parts per billion)	**Sample ID**	**MW-01**		**MW-02**		**MW-03**	
U= Not Detected (≥ indicated value)	Sample Date	(2016-11-10)		(2016-11-10)		(2016-11-10)	
Data above AWQS shown in **Bold**	Factor	1		1		1	
Total Metals, 6010/7473	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	1,650		6,970		3,330	
Antimony	3	6	*U*	6	*U*	6	*U*
Arsenic	25	19		24		17	
Barium	1,000	116		129		109	
Beryllium	3	1		2		1	
Cadmium	5	3	*U*	3	*U*	3	*U*
Calcium	NA	692,000		312,000		438,000	
Chromium	50	6	*U*	9		10	
Cobalt	5	**10**		**14**		**13**	
Copper	200	43		85		52	
Iron**	300	**37,800**		**25,900**		**28,300**	
Lead	25	**75**		**48**		**40**	
Magnesium	35,000	**67,300**		**41,900**		**121,000**	
Manganese**	300	**10,600**		**4,530**		**10,300**	
Mercury	0.7	0.2	*U*	0.2	*U*	0.2	*U*
Nickel	100	18		27		20	
Potassium	NA	28,300		5,030		69,400	
Selenium	10	11	*U*	11	*U*	11	*U*
Silver	50	6	*U*	6	*U*	6	*U*
Sodium	20,000	**68,400**		**21,200**		**65,900**	
Thallium	0.5	**26**		**13**		**25**	
Vanadium	14	11	*U*	14		11	*U*
Zinc	2,000	80		134		115	
Dissolved Metals, 6010/7473	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	56	*U*	56	*U*	56	*U*
Antimony	3	6	*U*	6	*U*	6	*U*
Arsenic	25	4	*U*	4	*U*	6	
Barium	1,000	46		59		107	
Beryllium	3	1	*U*	1	*U*	1	*U*
Cadmium	5	3	*U*	3	*U*	3	*U*
Calcium	NA	131,000		113,000		182,000	
Chromium	50	6	*U*	6	*U*	6	*U*
Cobalt	5	6	*U*	6	*U*	6	*U*
Copper	200	24		17		28	
Iron**	300	124		49		124	
Lead	25	3	*U*	3	*U*	3	*U*
Magnesium	35,000	30,800		22,800		**128,000**	
Manganese**	300	**1,060**		**482**		**8,570**	
Mercury	0.7	0.2	*U*	0.2	*U*	0.2	*U*
Nickel	100	9		6	*U*	6	*U*
Potassium	NA	39,300		4,740		95,800	
Selenium	10	11	*U*	11	*U*	11	*U*
Silver	50	6	*U*	6	*U*	6	*U*
Sodium	20,000	**94,900**		**27,600**		**84,900**	
Thallium	0.5	6	*U*	6	*U*	**11**	
Vanadium	14	11	*U*	11	*U*	11	*U*
Zinc	2,000	21		17		21	

** combined iron and manganese = 500

Analyte Detected

Analyte above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 11: TAL Metals in Groundwater
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/L (parts per billion)	**Sample ID**	**MW-04**		**MW-05**		**MW-06**	
U= Not Detected (≥ indicated value)	Sample Date	(2016-11-10)		(2016-11-10)		(2016-11-10)	
Data above AWQS shown in **Bold**	Factor	1		1		1	
Total Metals, 6010/7473	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	580		56	*U*	2,420	
Antimony	3	6	*U*	6	*U*	6	*U*
Arsenic	25	11		21		20	
Barium	1,000	63		114		48	
Beryllium	3	1	*U*	1	*U*	1	*U*
Cadmium	5	3	*U*	3	*U*	3	*U*
Calcium	NA	186,000		169,000		288,000	
Chromium	50	6	*U*	6	*U*	6	*U*
Cobalt	5	6	*U*	6	*U*	6	*U*
Copper	200	26		18		24	
Iron**	300	**3,790**		**1,360**		**5,640**	
Lead	25	5		3	*U*	3	*U*
Magnesium	35,000	31,400		**125,000**		**297,000**	
Manganese**	300	**2,290**		**2,630**		**1,880**	
Mercury	0.7	0.2	*U*	0.2	*U*	0.2	*U*
Nickel	100	9		8		7	
Potassium	NA	1,940		47,800		10,700	
Selenium	10	11	*U*	11	*U*	11	*U*
Silver	50	6	*U*	6	*U*	6	*U*
Sodium	20,000	**184,000**		**134,000**		**106,000**	
Thallium	0.5	**9**		**11**		**8**	
Vanadium	14	11	*U*	11	*U*	11	*U*
Zinc	2,000	41		16		35	
Dissolved Metals, 6010/7473	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	56	*U*	56	*U*	56	*U*
Antimony	3	6	*U*	6	*U*	6	*U*
Arsenic	25	8		9		11	
Barium	1,000	70		106		31	
Beryllium	3	1	*U*	1	*U*	1	*U*
Cadmium	5	3	*U*	3	*U*	3	*U*
Calcium	NA	210,000		197,000		278,000	
Chromium	50	6	*U*	6	*U*	6	*U*
Cobalt	5	6	*U*	6	*U*	6	*U*
Copper	200	16		12		16	
Iron**	300	**988**		51		95	
Lead	25	3	*U*	3	*U*	3	*U*
Magnesium	35,000	**35,800**		**143,000**		**292,000**	
Manganese**	300	**2,440**		**2,740**		**1,780**	
Mercury	0.7	0.2	*U*	0.2	*U*	0.2	*U*
Nickel	100	6	*U*	6	*U*	7	
Potassium	NA	2,120		49,400		9,030	
Selenium	10	11	*U*	11	*U*	11	*U*
Silver	50	6	*U*	6	*U*	6	*U*
Sodium	20,000	**225,000**		**148,000**		**103,000**	
Thallium	0.5	6	*U*	**7**		**6**	
Vanadium	14	11	*U*	11	*U*	11	*U*
Zinc	2,000	23		11	*U*	15	

** combined iron and manganese = 500

Analyte Detected

Analyte above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 11: TAL Metals in Groundwater
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/L (parts per billion)	**Sample ID**	**DUP-20161110**	
U= Not Detected (≥ indicated value)	Sample Date	(2016-11-10)	
Data above AWQS shown in **Bold**	Factor	1	
Total Metals, 6010/7473	**AWQS**	*Result*	*Qualifier*
Aluminum	NA	10,900	
Antimony	3	6	*U*
Arsenic	25	11	
Barium	1,000	94	
Beryllium	3	1	*U*
Cadmium	5	3	*U*
Calcium	NA	159,000	
Chromium	50	13	
Cobalt	5	**9**	
Copper	200	49	
Iron**	300	**17,700**	
Lead	25	12	
Magnesium	35,000	**35,300**	
Manganese**	300	**1,770**	
Mercury	0.7	0.2	*U*
Nickel	100	22	
Potassium	NA	36,300	
Selenium	10	11	*U*
Silver	50	6	*U*
Sodium	20,000	**80,600**	
Thallium	0.5	6	*U*
Vanadium	14	**16**	
Zinc	2,000	74	
Dissolved Metals, 6010/7473	**AWQS**	*Result*	*Qualifier*
Aluminum	NA	56	*U*
Antimony	3	6	*U*
Arsenic	25	5	
Barium	1,000	44	
Beryllium	3	1	*U*
Cadmium	5	3	*U*
Calcium	NA	109,000	
Chromium	50	6	*U*
Cobalt	5	6	*U*
Copper	200	18	
Iron**	300	205	
Lead	25	3	*U*
Magnesium	35,000	25,500	
Manganese**	300	**711**	
Mercury	0.7	0.2	*U*
Nickel	100	9	
Potassium	NA	26,100	
Selenium	10	11	*U*
Silver	50	6	*U*
Sodium	20,000	**66,400**	
Thallium	0.5	6	*U*
Vanadium	14	11	*U*
Zinc	2,000	13	

** combined iron and manganese = 500

Analyte Detected

Analyte above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 12: Pesticides and PCBs in Groundwater

NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/L (parts per billion)	**Sample ID**	**MW-01**		**MW-02**		**MW-03**		**MW-04**		**MW-05**	
U= Not Detected (≥ indicated value)	Sample Date	(2016-11-10)		(2016-11-10)		(2016-11-10)		(2016-11-10)		(2016-11-10)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1		1	
Pesticides, 8081	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.3	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
4,4'-DDE	0.2	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
4,4'-DDT	0.2	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
Aldrin	NE	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
alpha-BHC	0.01	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
alpha-Chlordane	0.05	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
beta-BHC	0.04	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
Chlordane, total	0.05	0.0216	*U*	0.0211	*U*	0.02	*U*	0.0205	*U*	0.0211	*U*
delta-BHC	0.04	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
Dieldrin	0.004	0.00216	*U*	0.00211	*U*	0.002	*U*	0.00205	*U*	0.00211	*U*
Endosulfan I	NA	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
Endosulfan II	NA	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
Endosulfan sulfate	NA	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
Endrin	NA	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
Endrin aldehyde	5	0.0108	*U*	0.0105	*U*	0.01	*U*	0.0103	*U*	0.0105	*U*
Endrin ketone	5	0.0108	*U*	0.0105	*U*	0.01	*U*	0.0103	*U*	0.0105	*U*
gamma-BHC (Lindane)	0.05	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
gamma-Chlordane	0.05	0.0108	*U*	0.0105	*U*	0.01	*U*	0.0103	*U*	0.0105	*U*
Heptachlor	0.04	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
Heptachlor Epoxide	0.03	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
Methoxychlor	35	0.00432	*U*	0.00421	*U*	0.004	*U*	0.0041	*U*	0.00421	*U*
Toxaphene	0.06	0.108	*U*	0.105	*U*	0.1	*U*	0.103	*U*	0.105	*U*

	Sample ID	**MW-01**		**MW-02**		**MW-03**		**MW-04**		**MW-05**	
	Sample Date	(2016-11-10)		(2016-11-10)		(2016-11-10)		(2016-11-10)		(2016-11-10)	
	Dilution Factor	1		1		1		1		1	
PCBs, 8082	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.09	0.0541	*U*	0.0526	*U*	0.05	*U*	0.0513	*U*	0.0526	*U*
Aroclor 1221	0.09	0.0541	*U*	0.0526	*U*	0.05	*U*	0.0513	*U*	0.0526	*U*
Aroclor 1232	0.09	0.0541	*U*	0.0526	*U*	0.05	*U*	0.0513	*U*	0.0526	*U*
Aroclor 1242	0.09	0.0541	*U*	0.0526	*U*	0.05	*U*	0.0513	*U*	0.0526	*U*
Aroclor 1248	0.09	0.0541	*U*	0.0526	*U*	0.05	*U*	0.0513	*U*	0.0526	*U*
Aroclor 1254	0.09	0.0541	*U*	0.0526	*U*	0.05	*U*	0.0513	*U*	0.0526	*U*
Aroclor 1260	0.09	0.0541	*U*	0.0526	*U*	0.05	*U*	0.0513	*U*	0.0526	*U*
Aroclor, Total	0.09	0.0541	*U*	0.0526	*U*	0.05	*U*	0.0513	*U*	0.0526	*U*

Analyte Detected

Analyte above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 12: Pesticides and PCBs in Groundwater

NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in µg/L (parts per billion)	**Sample ID**	**MW-06**		**DUP-20161110**	
U= Not Detected (≥ indicated value)	Sample Date	(2016-11-10)		(2016-11-10)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1	
Pesticides, 8081	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.3	0.004	*U*	0.00421	*U*
4,4'-DDE	0.2	0.004	*U*	0.00421	*U*
4,4'-DDT	0.2	0.004	*U*	0.00421	*U*
Aldrin	NE	0.004	*U*	0.00421	*U*
alpha-BHC	0.01	0.004	*U*	0.00421	*U*
alpha-Chlordane	0.05	0.004	*U*	0.00421	*U*
beta-BHC	0.04	0.004	*U*	0.00421	*U*
Chlordane, total	0.05	0.02	*U*	0.0211	*U*
delta-BHC	0.04	0.004	*U*	0.00421	*U*
Dieldrin	0.004	0.002	*U*	0.00211	*U*
Endosulfan I	NA	0.004	*U*	0.00421	*U*
Endosulfan II	NA	0.004	*U*	0.00421	*U*
Endosulfan sulfate	NA	0.004	*U*	0.00421	*U*
Endrin	NA	0.004	*U*	0.00421	*U*
Endrin aldehyde	5	0.01	*U*	0.0105	*U*
Endrin ketone	5	0.01	*U*	0.0105	*U*
gamma-BHC (Lindane)	0.05	0.004	*U*	0.00421	*U*
gamma-Chlordane	0.05	0.01	*U*	0.0105	*U*
Heptachlor	0.04	0.004	*U*	0.00421	*U*
Heptachlor Epoxide	0.03	0.004	*U*	0.00421	*U*
Methoxychlor	35	0.004	*U*	0.00421	*U*
Toxaphene	0.06	0.1	*U*	0.105	*U*

	Sample ID	**MW-06**		**DUP-20161110**	
	Sample Date	(2016-11-10)		(2016-11-10)	
	Dilution Factor	1		1	
PCBs, 8082	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.09	0.05	*U*	0.0526	*U*
Aroclor 1221	0.09	0.05	*U*	0.0526	*U*
Aroclor 1232	0.09	0.05	*U*	0.0526	*U*
Aroclor 1242	0.09	0.05	*U*	0.0526	*U*
Aroclor 1248	0.09	0.05	*U*	0.0526	*U*
Aroclor 1254	0.09	0.05	*U*	0.0526	*U*
Aroclor 1260	0.09	0.05	*U*	0.0526	*U*
Aroclor, Total	0.09	0.05	*U*	0.0526	*U*

Analyte Detected

Analyte above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 13: Sample Collection and Submission
NYSDEC BCP Site: C314125

Ecosystems Strategies, Inc.

ESI File: KP15045

Duplicate sampling excluded

SOIL		QUANTITY / NUMBER OF SAMPLES		
		Phase II Investigation	**Remedial Investigation**	**Documented in RIR**
Test Pits / Soil Borings Extended		13 / 6	0 / 21	13 / 27
Samples Submitted to Laboratory		15	30	45
Breakdown by Analyte Category	*VOCs*	11	29	40
	SVOCs	9	30	39
	Metals	6	30	36
	Pesticides	3	30	33
	PCBs	3	30	33
	VOC/SVOC TICs	0	30	30
	VOC TICs	3	0	3
Breakdown by Analysis Grouping	*VOCs/SVOCs+30, TAL Metals, Pesticides, PCBs*	0	29	29
	SVOCs+20, Metals, Pesticides, PCBs	0	1	1
	VOCs, SVOCs	3	0	3
	VOCs, PAHs	6	0	6
	Metals, Pesticides, PCBs	3	0	3
	Metals, VOCs	2	0	2
	Metals	1	0	1
GROUNDWATER		**Phase II Investigation**	**Remedial Investigation**	**Documented in RIR**
Borings Converted to Monitoring Wells (# = temporary monitoring well)		3#	6	6
Samples Submitted to Laboratory		3	6	9
Breakdown by Analyte Category	*VOCs*	3	6	10
	SVOCs	0	6	6
	Metals (total)	0	6	6
	Metals - Dissolved	0	6	6
	Pesticides	0	6	6
	PCBs	0	6	6
	VOC/SVOC TICs	0	6	6
Breakdown by Analysis Grouping	*VOCs/SVOCs+30, Pesticides, PCBs, TAL Metals (total& dissolved)*	0	6	6
	VOCs	3	0	3
SOIL VAPOR		**Phase II Investigation**	**Remedial Investigation**	**Documented in RIR**
Sub-slab Implants Sampled for VOCs		3	8	11

USEPA Methods: VOCs (soil/water) - 8260, SVOCs (soil/water) - 8270
TAL Metals - 6010/741, Pesticides/PCBs - 8081/8081, VOCs (vapor) - TO-15

APPENDIX C

Soil Boring Logs

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-01 (SHEET 1 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-24 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: overcast, 40s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (2") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Brown F SAND, cobbles	Dry	0.0	ND	ND	ND	
	Black M SAND, gravel	Dry	0.0	ND	ND	ND	
	Brown SILT LOAM, gravel	Dry	0.0	ND	ND	ND	
4 – 8' (100%)	Brown SILT LOAM, gravel	Dry	1,703	Yes	Yes	ND	
	Grayish-brown CLAY, gravel	Dry	5,000	Yes	Yes	ND	**(5-7')**
8 – 12' (100%)	Grayish-brown CLAY, gravel	Moist	17.6	Yes	ND	ND	
	Gray CLAY	Wet	13.5	Yes	ND	ND	**(9-11')**
	****** Saturated at 9.5' *****						
12 – 16' (100%)	Gray CLAY	Wet	12.8	Yes	ND	ND	
	Gray CLAY	Wet	15.1	Yes	ND	ND	
	Brown CLAY	Wet	20.1	Yes	ND	ND	**(14-16')**
16 – 20' (100%)	Brown CLAY	Wet	49.5	Yes	ND	ND	
20 – 28' (0%)	No soil returned, groundwater only	Wet					
28 – 32' (100%)	Brown CLAY	Wet	0.0	ND	ND	ND	**(30-32')**

Notes

Fill Materials

~0 - 5'

Field Evidence of Contamination

Brown staining, strong petroleum odor, PID reading (5,000 ppm) at ~6.5'

Saturated Soils

~9 - 32'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-02 (SHEET 2 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-24 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: overcast, 40s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: TOPSOIL (1") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (100%)	Brown M SAND, gravel, cobbles	Dry	0.0	ND	ND	ND	
	Dark Brown SANDY LOAM, brick at 3.5'	Dry	0.0	ND	ND	ND	
4 – 8' (100%)	Light brown CLAY	Moist	127	Yes	ND	ND	
	Grayish-brown CLAY	Moist	375	Yes	ND	ND	**(5-7')**
8 – 12' (100%)	Grayish-brown CLAY	Wet	155	Yes	ND	ND	
	Brown CLAY	Wet	37	Yes	ND	ND	**(9-11')**
	****** Saturated at 10' *****						
12 – 16' (100%)	Brown CLAY	Wet	0.0	ND	ND	ND	
	Gray CLAY	Wet	0.0	ND	ND	ND	
16 – 20' (100%)	Gray CLAY	Wet	0.0	ND	ND	ND	
20 – 24' (100%)	Gray CLAY	Wet	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 4'

Field Evidence of Contamination

Moderate petroleum odor, PID reading (375 ppm) at ~6'

Saturated Soils

~10 - 24'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-03 (SHEET 3 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-24 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Overcast, 40s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: TOPSOIL (2") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Brown variable texture SAND, gravel, concrete	Dry	0.0	ND	ND	ND	
	Dark Brown SILT LOAM, gravel	Moist	0.0	ND	ND	ND	
4 – 8' (100%)	Brown SANDY CLAY	Moist	0.0	ND	ND	ND	
	Brown CLAY	Wet	0.0	Yes	ND	ND	**(5-7')**
8 – 12' (100%)	Brown SANDY CLAY	Wet	61	Yes	Yes	ND	
	Gray CLAY	Wet	58	Yes	ND	ND	**(9-11')**
	****** Saturated at 10' *****						
12 – 16' (100%)	Gray CLAY	Wet	38	Yes	ND	ND	
16 – 20' (100%)	Gray CLAY	Wet	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 4'

Field Evidence of Contamination

Moderate petroleum odor, PID reading (61 ppm), staining at ~9.5'

Saturated Soils

~10 - 20'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-04 (SHEET 4 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-24 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly sunny, 40s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (2") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (60%)	Brown M SAND, concrete, asphalt, brick at 0-2'	Dry	0.0	ND	ND	ND	
	Brown SANDY LOAM, gravel	Dry	0.0	ND	ND	ND	
4 – 8' (75%)	Brown SILT CLAY	Dry	0.0	ND	ND	ND	
	Grayish-brown CLAY	Moist	0.0	ND	ND	ND	
8 – 12' (50%)	Brown CLAY, gravel ****** Saturated at 10' *****	Moist	0.0	ND	ND	ND	**(8-10')**
12 – 16' (100%)	Gray CLAY	Wet	0.0	ND	ND	ND	
16 – 20' (100%)	Gray CLAY	Wet	0.0	ND	ND	ND	**(18-20')**

Notes

Fill Materials

~0 - 4'

Field Evidence of Contamination

No obvious contamination observed

Saturated Soils

~10 - 20'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-05 (SHEET 5 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-24 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly sunny, 50s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: TOPSOIL (2") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (50%)	Brown M SAND, gravel, brick at 0.5'	Dry	0.0	ND	ND	ND	
	Grayish-brown CLAY, gravel	Dry	0.4	ND	ND	ND	
4 – 8' (75%)	Brown CLAY	Dry	18.2	Yes	ND	ND	
	Blackish-brown CLAY	Moist	200	Yes	ND	ND	**(6-8')**
8 – 12' (100%)	Brown CLAY	Moist	6.0	ND	ND	ND	
	Gray CLAY	Wet	0.0	ND	ND	ND	**(9-11')**
	****** Saturated at 10.5' *****						
12 – 16' (100%)	Brown CLAY	Wet	25	ND	ND	ND	

Notes

Fill Materials

~0 - 3'

Field Evidence of Contamination

Slight petroleum odor, PID reading (200 ppm) at 6'

Saturated Soils

~10.5 - 16'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-06 (SHEET 6 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-25 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly Sunny, 40s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (90%)	Brown SANDY LOAM, pebbles	Dry	0.0	ND	ND	ND	
4 – 8' (90%)	Gray CLAY	Dry	13.1	Yes	ND	ND	
	Gray CLAY	Moist	2.5	Yes	Yes	ND	(4.5-**6.5')**
	Brown CLAY	Moist	0.0	ND	ND	ND	
8 – 12' (100%)	Grayish-brown CLAY, gravel	Moist	0.0	ND	ND	ND	
	Gray CLAY	Wet	0.0	ND	ND	ND	**(10-12')**
	****** Saturated at 11' *****						
12 – 16' (100%)	Brown CLAY	Wet	0.0	ND	ND	ND	
	Gray CLAY	Wet	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 4'

Field Evidence of Contamination

Mild chemical odor at 4-6' and stained soil at 5.5'

Saturated Soils

~11 - 16'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-07 (SHEET 7 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-25 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly sunny, 40s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Brown C SAND	Dry	38	ND	ND	ND	
	Grayish-brown CLAY	Dry	102	Yes	ND	ND	**(2-4')**
4 – 8' (75%)	Grayish-brown CLAY	Moist	28	Yes	ND	ND	(4.5-**6.5')**
8 – 12' (100%)	Grayish-brown CLAY	Wet	2.1	ND	ND	ND	
	Grayish-brown CLAY	Moist	0.8	ND	ND	ND	**(10-12')**
	****** Saturated at 11' *****						
12 – 16' (100%)	Grayish-brown CLAY	Wet	0.0	ND	ND	ND	
	Gray CLAY	Wet	0.0	ND	ND	ND	**(13-15')**

Notes

Fill Materials

~0 - 3'

Field Evidence of Contamination

Moderate chemical odor, PID reading (102 ppm) at 3-4'

Saturated Soils

~11 - 16'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-08 (SHEET 8 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-25 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly sunny, 40s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Brown SANDY LOAM, wood, gravel, brick	Dry	1.0	ND	ND	ND	
	Grayish-brown CLAY	Dry	3.0	ND	ND	ND	**(1-3')**
4 – 8' (90%)	Grayish-brown CLAY	Moist	0.0	ND	ND	ND	
	Brown CLAY	Moist	0.0	ND	ND	ND	
8 – 12' (100%)	Brown CLAY	Wet	0.0	ND	ND	ND	
	Gray CLAY	Moist	0.00	ND	ND	ND	**(9-11')**
	****** Saturated at 11' *****						
12 – 16' (100%)	Gray CLAY	Wet	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 3'

Field Evidence of Contamination

No obvious evidence of contamination

Saturated Soils

~11 - 16'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-09 (SHEET 9 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-25 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly sunny, 40s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (50%)	Brown SANDY LOAM	Dry	0.0	ND	ND	ND	
	Brown M SAND	Dry	0.0	ND	ND	ND	
	Light Brown LOAMY CLAY	Dry	0.0	ND	ND	ND	
4 – 8' (100%)	Light Brown LOAMY CLAY	Dry	0.0	ND	ND	ND	
	Brown CLAY	Moist	0.0	ND	ND	ND	
8 – 12' (100%)	Grayish-brown CLAY	Moist	0.0	ND	ND	ND	
	Gray CLAY	Moist	0.00	ND	ND	ND	**(9-11')**
	****** Saturated at 11' *****						
12 – 16' (100%)	Gray CLAY	Wet	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 3'

Field Evidence of Contamination

No obvious evidence of contamination

Saturated Soils

~11 - 16'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-10 (SHEET 10 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-25 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly sunny, 40s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: CONCRETE (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Brown SANDY LOAM, gravel	Dry	0.0	ND	ND	ND	
	Light Brown SILT LOAM, gravel	Dry	0.0	ND	ND	ND	
4 – 8' (100%)	Dark Brown LOAMY CLAY	Dry	0.0	ND	ND	ND	
	Brown CLAY	Moist	0.0	ND	ND	ND	
8 – 12' (100%)	Brown CLAY	Moist	0.0	ND	ND	ND	
	Gray CLAY	Moist	0.00	ND	ND	ND	
	****** Saturated at 11' *****						
12 – 16' (100%)	Brown CLAY	Wet	0.0	ND	ND	ND	
	Gray CLAY	Wet	0.0	ND	ND	ND	**(13-15')**

Notes

Fill Materials

~0 - 4'

Field Evidence of Contamination

No obvious evidence of contamination

Saturated Soils

~11 - 16'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-11 (SHEET 11 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-25 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly sunny, 40s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: TOPSOIL (2") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Brown SANDY LOAM, brick, concrete	Dry	0.0	ND	ND	ND	
4 – 8' (60%)	Brown to Grayish-brown SANDY LOAM	Dry	0.0	ND	ND	ND	
8 – 12' (75%)	Dark gray to gray CLAY	Dry	0.0	ND	ND	ND	
	Gray CLAY	Moist	0.0	ND	ND	ND	
	Brown CLAY	Moist	0.0	ND	ND	ND	
12 – 16' (100%)	Gray SANDY CLAY	Moist	0.0	ND	ND	ND	
	Gray CLAY	Wet	0.0	ND	ND	ND	**(12-14')**
	****** Saturated at 13' *****						

Notes

Fill Materials

~0 - 4'

Field Evidence of Contamination

No obvious evidence of contamination

Saturated Soils

~11 - 16'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-12 (SHEET 12 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-25 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly sunny, 50s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: TOPSOIL (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (50%)	Brown M SAND brick, gravel	Dry	0.0	ND	ND	ND	
4 – 8' (75%)	Brown SAND, brick	Dry	0.0	ND	ND	ND	(4-**6'**)
	Dark Gray SANDY CLAY	Moist	8.0	ND	Yes	ND	
8 – 12' (90%)	Brown C SAND, brick, gravel	Moist	0.0	ND	ND	ND	
	Gray CLAY	Moist	0.0	ND	ND	ND	
12 – 16' (100%)	Dark gray CLAY, brick	Moist	0.0	ND	ND	ND	
	Gray CLAY	Moist	0.0	ND	ND	ND	
16 – 20' (100%)	Grayish-brown CLAY, brick	Moist	0.0	ND	ND	ND	
	Gray CLAY	Wet	0.0	ND	ND	ND	
	****** Saturated at 16' *****						

Notes

Fill Materials

~0 - 14'

Field Evidence of Contamination

Soil staining and slight organic odor at 5.5'

Saturated Soils

~16 - 20'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-13 (SHEET 13 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-25 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly sunny, 50s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: TOPSOIL (4") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Brown SANDY LOAM brick, gravel	Dry	0.0	ND	ND	ND	
4 – 8' (75%)	Gray SILT CLAY, brick	Moist	0.0	ND	ND	ND	
	Grayish-brown SILT CLAY, gravel	Wet	0.0	ND	Yes	ND	
8 – 12' (100%)	Brown SANDY CLAY	Moist	0.0	ND	ND	ND	**(8-10')**
	Gray to brown CLAY	Moist	0.0	ND	ND	ND	
	****** Saturated at 9' *****	Moist	0.0	ND	ND	ND	
12 – 16' (100%)	Dark gray CLAY, brick	Moist	0.0	ND	ND	ND	
	Gray CLAY	Moist	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 8'

Field Evidence of Contamination

No obvious evidence of contamination

Saturated Soils

~9 - 16'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-14 (SHEET 14 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-25 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly sunny, 50s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: TOPSOIL (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Brown SANDY LOAM brick, concrete, gravel	Dry	0.0	ND	ND	ND	
4 – 8' (75%)	Brown SANDY LOAM, brick	Moist	0.0	ND	ND	ND	
	Grayish-brown SILT CLAY, gravel	Wet	0.0	ND	Yes	ND	**(6-8')**
8 – 12' (100%)	Brown CLAY, brick	Moist	0.0	ND	ND	ND	
	Grayish-brown CLAY, gravel	Wet	0.0	ND	ND	ND	
	****** Saturated at 9' *****	Wet	0.0	ND	ND	ND	
12 – 16' (100%)	Grayish-brown CLAY	Wet	0.0	ND	ND	ND	**(12-14)**
	Gray CLAY	Wet	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 5'

Field Evidence of Contamination

No obvious evidence of contamination

Saturated Soils

~9 - 16'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

2SB-15 (SHEET 15 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-25 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Partly sunny, 50s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Brown SANDY LOAM, concrete, gravel	Dry	0.0	ND	ND	ND	
4 – 8' (50%)	Brown CLAY, gravel	Moist	0.0	ND	ND	ND	**(7-9')**
8 – 12' (100%)	Brown CLAY Grayish-brown CLAY ****** Saturated at 9' *****	Moist Wet	0.0 0.0	ND ND	ND ND	ND ND	
12 – 16' (100%)	Gray CLAY	Wet	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 4'

Field Evidence of Contamination

No obvious evidence of contamination

Saturated Soils

~9 - 16'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

MW-01 (SHEET 16 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-26 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Sunny, 50s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Brown M SANDY, gravel	Dry	0.0	ND	ND	ND	
	Brown CLAY	Moist	0.0	ND	ND	ND	
4 – 8' (100%)	Brown CLAY, concrete	Moist	0.0	ND	ND	ND	**(6-8')**
	Brown CLAY	Wet	10.1	Yes	ND	ND	
	****** Saturated at 7' *****						
8 – 12' (100%)	Brown CLAY	Wet	0.0	ND	ND	ND	
12 – 16' (100%)	Brown CLAY	Wet	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 5'

Field Evidence of Contamination

Slight petroleum odor at 7'

Saturated Soils

~7 - 16'

Field Notes

Monitoring well set at 16' bsg, screen from 5 – 17' bsg

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

MW-02 (SHEET 17 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-26 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Sunny, 50s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: TOPSOIL (2") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (90%)	Brown SANDY LOAM, brick, asphalt	Dry	0.0	ND	ND	ND	
	Brown SILT LOAM	Moist	0.0	ND	ND	ND	
4 – 8' (90%)	Brown SILT LOAM	Moist	0.0	ND	ND	ND	(5.5-**7.5')**
	Brown CLAY	Wet	80.4	Yes	Yes	ND	
	****** Saturated at 7' *****						
8 – 12' (100%)	Brown CLAY	Wet	0.0	ND	ND	ND	
	Gray CLAY	Wet	0.0	ND	ND	ND	
12 – 16' (100%)	Gray CLAY	Wet	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 5'

Field Evidence of Contamination

Brown staining, mild petroleum odor, PID reading (80.4 ppm) at ~7'

Saturated Soils

~7 - 16'

Field Notes

Monitoring well set at 16' bsg, screen from 5 – 16' bsg

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

MW-03 (SHEET 18 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-26 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Sunny, 50s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: TOPSOIL (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (90%)	Brown M SAND, brick, asphalt, concrete	Dry	0.0	ND	ND	ND	**(0-2')**
	Brown SANDY LOAM, concrete, gravel	Moist	0.0	ND	ND	ND	
4 – 8' (75%)	Light Brown SANDY SILT	Moist	0.0	ND	ND	ND	
	Black to gray CLAY	Wet	0.0	ND	ND	ND	
	****** Saturated at 8' *****						
8 – 12' (75%)	Grayish-brown SANDY CLAY, gravel	Wet	0.0	ND	ND	ND	**(8-10')**
	Brown CLAY	Wet	0.0	ND	ND	ND	
12 – 16' (100%)	Brown CLAY	Wet	0.0	ND	ND	ND	
	Gray CLAY	Wet	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 4'

Field Evidence of Contamination

No obvious evidence of contamination

Saturated Soils

~8 - 16'

Field Notes

Monitoring well set at 19.5' bsg, screen from 5 – 19.5' bsg

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

MW-04 (SHEET 19 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-26 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Sunny, 50s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: TOPSOIL (2") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (60%)	Light Brown M SAND, gravel	Dry	0.0	ND	ND	ND	
	Dark Brown SANDY LOAM, brick	Moist	0.0	ND	ND	ND	
4 – 8' (75%)	Brown SILT loam, gravel	Moist	52.1	Yes	ND	ND	**(6-8')**
	Grayish-brown SILT LOAM, gravel	Wet	8.2	Yes	ND	ND	
	****** Saturated at 8' *****						
8 – 12' (75%)	Brown CLAY, gravel	Wet	0.0	ND	ND	ND	**(8-10')**
	Brown SANDY CLAY	Wet	0.0	ND	ND	ND	
12 – 16' (100%)	Gray CLAY	Wet	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 4'

Field Evidence of Contamination

Brown staining, mild petroleum odor, PID reading (80.4 ppm) at ~8'

Saturated Soils

~8 - 16'

Field Notes

Monitoring well set at 18' bsg, screen from 5 – 18' bsg

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

MW-05 (SHEET 20 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-26 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Sunny, 50s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: TOPSOIL (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Brown SANDY LOAM, gravel Dark gray CLAY	Dry Moist	0.0 0.0	ND ND	ND ND	ND ND	
4 – 8' (75%)	Dark gray CLAY Gray CLAY, gravel ****** Saturated at 7' *****	Moist Wet	0.0 0.0	ND ND	ND ND	ND ND	**(5-7')**
8 – 12' (75%)	Brown CLAY, gravel	Wet	0.0	ND	ND	ND	
12 – 16' (100%)	Gray CLAY	Wet	0.0	ND	ND	ND	

Notes

Fill Materials
~0 - 4'

Field Evidence of Contamination
No obvious evidence of contamination

Saturated Soils
~7 - 16'

Field Notes
Monitoring well set at 16' bsg, screen from 6 – 16' bsg

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

Soil Boring Log

Ecosystems Strategies, Inc.

MW-06 (SHEET 21 OF 21)	Queen City Lofts – Remedial Investigation 178-182 Main Street, 11 South Bridge Street, and a portion of 15 South Bridge Street, Poughkeepsie, New York NYSDEC BCP ID: C314125	ESI FILE KP15045.50
	DATE: 2016-10-26 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: A. Atkinson WEATHER: Sunny, 50s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: TOPSOIL (3") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (40%)	Brown SANDY LOAM, brick, gravel	Dry	0.0	ND	ND	ND	
4 – 8' (75%)	Brown M SAND, brick, gravel	Dry	0.0	ND	ND	ND	
	Gray SILT LOAM, brick, gravel	Moist	0.0	ND	ND	ND	
8 – 12' (100%)	Brown SANDY LOAM, brick, gravel	Moist	0.0	ND	ND	ND	
	Brown CLAY						
	****** Saturated at 10' *****						
12 – 16' (100%)	Brown F SAND, brick	Wet	0.0	ND	ND	ND	
	Grayish-brown CLAY, brick	Moist	0.0	ND	ND	ND	
	Brown CLAY	Moist	ND	ND	ND	ND	
16 – 20' (90%)	Gray CLAY	Wet	0.0	ND	ND	ND	**(16-18')**

Notes

Fill Materials
~0 - 14'

Field Evidence of Contamination
No obvious evidence of contamination

Saturated Soils
~10 - 16'

Field Notes
Monitoring well set at 23' bsg, screen from 8 – 23' bsg

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
Sand texture: **F** (fine) **M** (medium) **C** (coarse)

APPENDIX D

Previous Environmental Reports

COMBINED PHASE I AND II

ENVIRONMENTAL

SITE ASSESSMENT

June 24, 2015

Site Identification:	**178-182 Main Street & 11 South Bridge Street City of Poughkeepsie Dutchess County, New York**
Tax Lot Identification:	**Section 6062, Block 76, Lots 942131 & 945130, and Block 84, Lot 941112**
Property Description:	**0.61-acre vacant property**

ESI File: KP15045.10

Prepared By:

Ecosystems Strategies, Inc.
24 Davis Avenue, Poughkeepsie, NY 12603
phone 845.452.1658 | fax 845.485.7083 | ecosystemsstrategies.com

Ecosystems Strategies, Inc.

COMBINED PHASE I AND II

ENVIRONMENTAL

SITE ASSESSMENT

June 24, 2015

ESI File: KP15145.10

Prepared By:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie, New York 12603

Prepared For:

The Kearney Realty & Development Group
1777 Route 6
Carmel, New York 10512

Phase I Environmental Site Assessment services performed by Ecosystems Strategies, Inc. have been conducted in accordance with ASTM Method E 1527-13.

The undersigned has reviewed this Combined Phase I and II Environmental Site Assessment and certifies to The Kearney Realty & Development Group that the information provided in this document is accurate as of the date of issuance by this office.

Paul H. Ciminello
President

TABLE OF CONTENTS

FIGURES AND TABLES

APPENDICES

EXECUTIVE SUMMARY

Ecosystems Strategies, Inc. (ESI) has performed a Combined Phase I and II Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E 1527-13 of the property located at 178-182 Main Street and 11 South Bridge Street, City of Poughkeepsie, Dutchess County, New York.

The goal of a Combined Phase I and II ESA is to identify Recognized Environmental Conditions (RECs) in connection with a property. In addition to RECs, ESI has attempted to identify:

1. Conditions that do not meet the threshold to be considered a REC but nonetheless represent a significant existing and/or likely environmental liability; and,
2. De minimis conditions that generally do not present a significant threat and would not be the subject of an enforcement action if brought to the attention of regulatory authorities.

ESI's findings, conclusions and recommendations are presented in Section 5.0 of this Combined Phase I and II ESA and are summarized below.

Subject Property Description and History

The subject property is a 0.61-acre vacant parcel located in an urban setting. The subject property is likely to have been used for commercial and residential purposes from as early as 1887 until the early to mid-1980s when all former on-site structures were demolished. Laboratory data generated during the Phase II portion of this investigation indicate that petroleum contaminated soils are located at the northeastern portion of the property and that metals and pesticide contamination is present in soil and fill/debris materials. The source of the documented soil contamination may be from historical manufacturing operations or other commercial uses, or may be related to debris from the demolition of former on-site structures (identified in test pits extended throughout the Site). Debris materials may contain lead based paint, asbestos, or other regulated materials. Current use of the property as a park is not likely to have impacted the subject property.

No further investigation of historical records is recommended. Any future development activities at the property should be conducted with an awareness of the presence of subsurface debris and provision should be made for the proper management of any materials that warrant special handling.

Recognized Environmental Conditions

RECs Identified in Connection with the Subject Property	Recommendations
Documented petroleum contamination at the northeastern portion of the property (and associated open NYSDEC spill event)	Conduct additional investigation following a NYSDEC approved work plan; remediate petroleum contaminated soils as required
Presence of urban fill materials to various depths, documented metals contamination throughout the property and pesticide contamination at the north-central portion	Conduct additional investigation; manage any regulated materials in accordance with applicable regulations (may be conducted in conjunction with the spill investigation)
Potential impacts from releases at adjoining properties	Conduct additional investigation (may be conducted in conjunction with the above recommended investigations)

Historical RECs (HRECs) and/or Other Relevant Environmental Liabilities

ESI has identified no HRECs or conditions indicating significant existing or relevant environmental liabilities (not addressed above).

De Minimis Conditions

Identified or Suspect Condition	Recommendations
Scattered garbage located throughout the property	Segregate debris materials into appropriate waste streams and dispose of off-site
Elevated radon concentrations	Conduct radon testing in the event of future residential development on the property

1.0 INTRODUCTION

1.1 Purpose of the Investigation

This Combined Phase I and II Environmental Site Assessment (Combined Phase I and II ESA) identifies recognized environmental conditions (RECs) and/or other significant environmental liabilities resulting from or associated with the storage, use, transport, or disposal of hazardous or regulated materials on the property located at 178-182 Main Street and 11 South Bridge Street, City of Poughkeepsie, Dutchess County, New York (property descriptions are presented in Sections 2.1 and 3.3.2).

1.2 Methodology

Phase I ESA services have been performed in conformance with guidelines set forth by the American Society for Testing and Materials (ASTM) Method E1527-13 (no exceptions to or deletions from this practice have occurred. Fieldwork services were performed in accordance with generally accepted practices and established New York State Department of Environmental Conservation (NYSDEC) protocols. The detailed Scope of Services adhered to in this investigation is provided as Appendix H. This Environmental Site Assessment was performed under the direct supervision and responsible charge of a qualified environmental professional (see Appendix I), following the requirements for "all appropriate inquiry" as defined in 40 CFR Part 312.

Ecosystems Strategies, Inc. (ESI) performed the following work:

1. Investigation of the subject property's history and characteristics through the analysis of available historical maps, local and regional maps, local governmental and/or Tribal records, and information provided by subject property representatives and other knowledgeable individuals (see Section 6.0 for references).
2. Review of Federal, State, and/or Tribal regulatory-agency computer databases and printed records for documentation of potential environmental liabilities relevant to the property, consistent with (or exceeding) applicable ASTM requirements.
3. Inspection of the property by Tyler Goodnough of ESI on May 1, 2015.
4. Investigation of subsurface conditions at the subject property on May 26, 2015, conducted at the request of the Client.

1.3 Limitations

This Combined Phase I and II ESA is an evaluation of the property described in Section 2.1 below and is not valid for any other property or location. It is a representation of the property analyzed as of the dates that services were provided. This Combined Phase I and II ESA cannot be held accountable for activities or events resulting in environmental liability after the respective dates of the site inspection or historical and regulatory research.

This Combined Phase I and II ESA is based in part on certain information provided in writing or verbally by federal, state, and local officials (including public records) and other parties referenced herein. The accuracy or completeness of this information was not independently verified. Unless specifically noted, the findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on professional judgment.

1.4 Definitions

Definitions of some common terms found in ASTM Standard 1527-13, as used in this Combined Phase I and II ESA, are provided below.

Key Site Manager

The person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property.

Practically Reviewable / Reasonably Ascertainable

Information that is provided by a source in a manner and in a form that yields information relevant to the property without the need for extraordinary analysis of irrelevant data is Practically Reviewable. Records must be for a limited geographic area. Records arranged chronologically, lacking adequate address information to be located geographically, in large databases that are not sorted by zip code, or are so numerous to be unmanageable are not generally practically reviewable (i.e. data cannot be feasibly reviewed for its impact on the property). Information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable is Reasonably Ascertainable.

Recognized Environmental Condition (REC)

The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

A material threat is a physically observable or obvious threat which is reasonably likely to lead to a release that is threatening and might result in impact to public health or the environment.

The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

De minimis conditions (i.e. conditions that generally do not present a threat to human health or the environment and would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies) are not RECs.

Controlled Recognized Environmental Condition (CREC)

A REC resulting from a past release that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (legal or physical restrictions or limitations on the use of, or access to, a site or facility to reduce or eliminate potential exposure to remaining contaminants, or to prevent activities that could interfere with the effectiveness of a response action).

Historical Recognized Environmental Condition (HREC)

A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

2.0 SITE LOCATION AND DESCRIPTION

2.1 Description of the Subject Property

The subject property as defined in this Combined Phase I and II ESA consists of the 0.61-acre property (known as the Poughkeepsie Main Loft Project) located at 178-182 Main Street and 11 South Bridge Street, City of Poughkeepsie, Dutchess County, New York (identified as City of Poughkeepsie tax lot parcels: Section 6062, Block 76, Lots 942131 & 945130, and Block 84, Lot 941112). A Site Location Map is provided on Page 7.

The property is an irregularly-shaped, vacant parcel located on the southern side of Main Street and the eastern side of South Bridge Street. A map illustrating the layout of the property is provided on Page 8 and photographs of the property are provided in Appendix A.

2.1.1 Site Topography

Information on the subject property's topography was obtained from the review of the United States Geological Survey Topographic Map of the Poughkeepsie, New York Quadrangle (a copy of the relevant portion of this map, with the subject property indicated, is provided in Appendix B).

The property is located within an area having moderate downward slopes to the west, towards the Hudson River. The property is shown with surface elevations that range from approximately 140 feet above mean sea level (msl) at the eastern portion of the property to approximately 125 feet above msl at the western portion. No on-site structures are depicted on the map (the property is located in an urban area where only selected landmark buildings are depicted). The map did not indicate the presence of any soil/gravel mining operations or unusual topographic patterns indicative of landfilling activities on the subject property.

Observations made during the site inspection are in general agreement with conditions depicted on the topographic map.

2.1.2 Site Geology

A review of the Geologic Map of New York and the Surficial Geologic Map of New York (lower Hudson sheets) indicates that soils on the subject property are likely to be derived from glacial till deposits, overlying the Austin Glen Formation, which consists of greywacke and shale. Soil maps presented in the USDA NRCS Soil Survey of Dutchess County, New York (Soil Survey), indicate that the Udorthents, smooth (0-8% slopes) soil series is likely to be located on the property. The Udorthents designation is provided for areas where excavation and regrading activities have likely occurred, and generally consists of well-drained, gently sloping soils. The presence of former on-site structures, and the Udorthents soil type designation, suggest that soils located on the property have been altered by cutting, regrading and/or filling activities.

Subsurface soils exposed during the extension of test pits (see Section 4.0) at the eastern and central portions of the subject property were noted to consist of brown, fine to medium sands overlying dense, brown to black, moist loamy clay with organic odor. Soils encountered in test pits extended at the western portions of the Site consisted of brown to gray, variable texture sands overlying brown to dark brown, moist loamy clay. Depth to bedrock in Udorthents soils is likely to be greater than 80 inches below surface grade (bsg). No bedrock was observed during the extension of test pits to a maximum depth of 12 feet bsg on the property.

No other information regarding site-specific investigations of the subsurface (e.g., test pits or borings) has been reviewed by this office.

2.1.3 Subsurface Hydrogeology

The Soil Survey notes a generalized groundwater depth of 36 to 72 inches in Udorthents soils. Shallow groundwater flow in the vicinity of the property is likely to follow overall surficial topography and be in a westerly direction, toward the Hudson River (located 0.43-mile from the property).

Groundwater was encountered between 10 and 12 feet bsg during the extension of test pits at the northeastern portion of the subject property (see Section 4.0) No other data documenting groundwater depth, or site-specific investigation of groundwater direction of flow, has been reviewed by this office.

2.1.4 Surface Hydrology and Wetlands

On-Site Waterbodies and Wet Areas

No waterbodies or wet areas were observed on the subject property or in the immediate vicinity during the site inspection.

Regulated Wetlands

Applicable NYSDEC and United States Department of the Interior wetlands mapping data was reviewed in order to determine the presence or absence of regulated wetlands on or in the immediate vicinity of the subject property. According to these sources, there are no surface waterbodies, wet areas, or regulated wetlands on the property. State wetlands data indicate that a classified stream (the Fallkill) is located approximately 0.3-mile to the north of the property and that the Hudson River is located 0.43-mile to the west of the property. Relevant federal and state mapping data are included in Appendix B.

2.1.5 Sensitive Environmental Receptors

Sensitive Environmental Receptors (SERs) are valued physical, biological and/or man-made features that may be adversely impacted by environmental contamination, and where a discharge or release could pose a greater threat than a discharge or release to other less valued areas. SERs include (but are not limited to) potable supply wells, wetlands, and protected wildlife habitat.

No SERs are located on or in the immediate vicinity of the subject property.

2.2 Description of Adjoining and Surrounding Area Properties

The subject property is located in an urban area comprised primarily of residential and commercial properties. A description of the adjoining and nearby properties is provided in Table 1, below.

Table 1: Land Uses in the Vicinity of the Subject Property

Direction	Adjoining Use(s)	Vicinity Use(s)
North	• Commercial offices	• Residential • Commercial
East	• Multi-family residential	• Mixed-use commercial/residential
South	• Vacant building	• Single- and Multi-family residential
West	• Multi-family residential • Parking lot	• Residential • Commercial

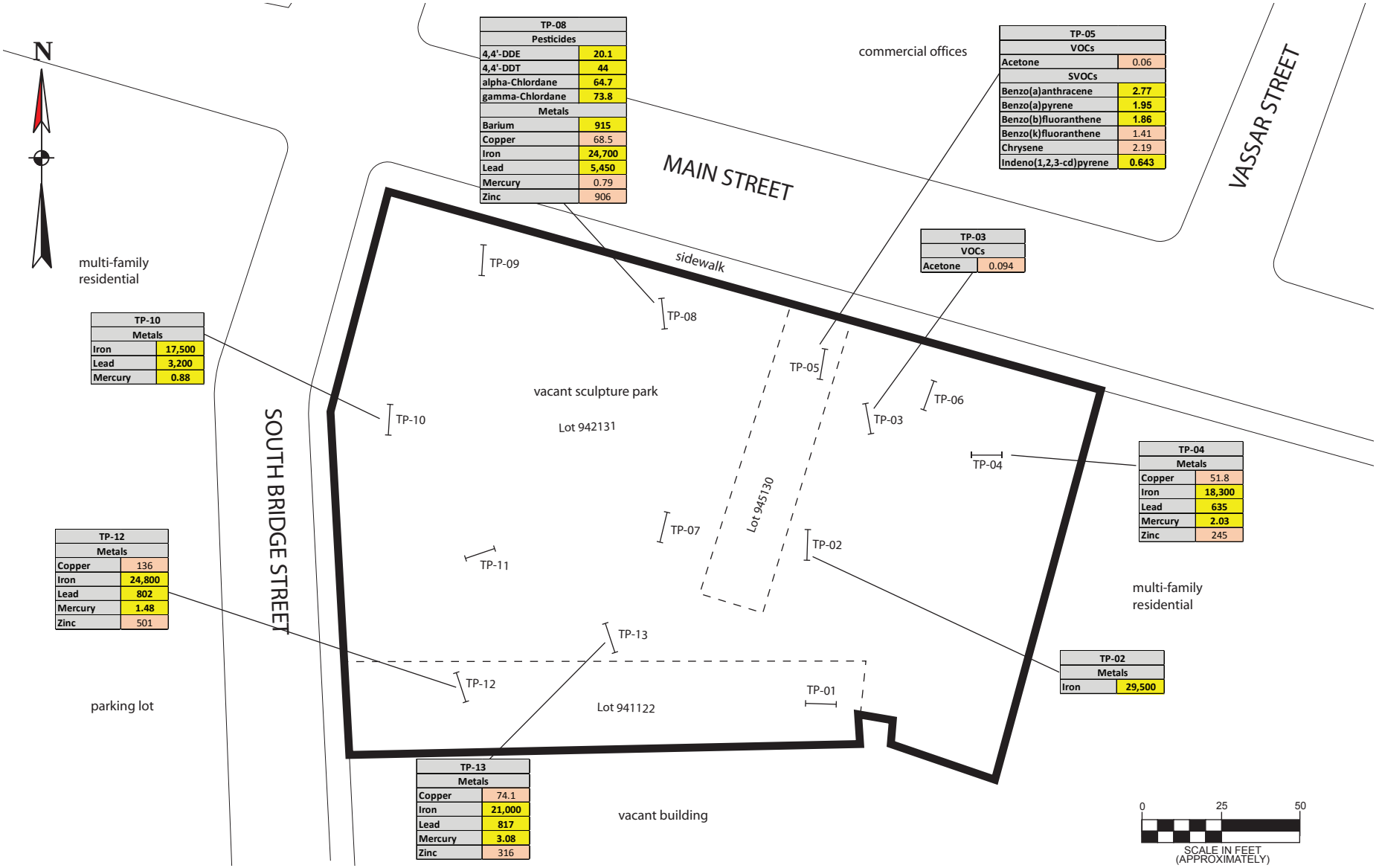
Site Location Map
178-182 Main Street &
11 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

N

ESI File: KP15045.10

June 2015

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Selected Site Features/Fieldwork Map

178-182 Main Street & 11 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

Legend:

- subject property border
- lot line
- test pit location

all results in parts per million

Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

ESI File: KP15045.10

June 2015

Scale as shown

3.0 INVESTIGATION

3.1 Site History

The history of the subject property was researched using reviews of ownership records, historical maps, and local records. This review included both standard ASTM environmental record sources and additional sources (if such sources were judged to be reasonably ascertainable and sufficiently useful, accurate, and complete in light of the objective of the records review). Refer to Sections 3.1.3, 3.1.4 and 3.3.2.1 for site ownership and site use information.

ASTM Practice E 1527-13 requires that all obvious uses of the property must be identified from the present back to the property's first developed use (inclusive of agricultural activities), or back to 1940, whichever is earlier. This requires reviewing only as many historical sources as are necessary and both reasonably ascertainable and likely to be useful. As an example, if the property was not developed until 1960, it would still be necessary to attempt to confirm that it was undeveloped back to 1940.

The earliest reasonably ascertainable historical records document that the subject property was in use for residential and commercial purposes as early as 1887 (see Sections 3.1.1 through 3.1.5, below, for details regarding site history).

3.1.1 User-Reported Information

ASTM Practice E 1527-13, Section 6, requires that the User (the party seeking to complete the environmental site assessment of the property) provide specific information to the Environmental Professional in order to meet the requirements for "all appropriate inquiry". Representatives of the User (The Kearney Realty & Development Group) have not responded to a questionnaire provided by ESI, which requested information regarding the subject property as specified in Section 6.

Representatives of the User did not state the reason why the Combined Phase I and II ESA was performed, and ESI therefore assumes that the reason is to qualify for one or more Landowner Liability Protections (LLPs) to CERCLA liability and to document potential environmental liabilities on the subject property.

3.1.2 Interview with Key Site Manager

No Key Site Manager for the subject property was identified. Based on other known information regarding the subject property, it is ESI's opinion that the inability to identify and interview a Key Site Manager does not represent a significant data gap.

3.1.3 Ownership Records

Property ownership information, based on a review of City of Poughkeepsie Assessor's Office records, is presented in Table 2, below. This ownership summary does not constitute a title search.

Table 2: Ownership Information

Parcel ID	Owner	Date of Conveyance
Lot 942131	P U R A	2/24/1977
Lot 945130	P U R A Levine, Nathan c/o Herman Levine	N/A N/A
Lot 941122	Poughkeepsie Urban Renewal Elmo, William & Helen	11/1976 1946

3.1.4 Sanborn Fire Insurance Maps and City Directories

Sanborn Fire Insurance Maps

A summary of the information obtained from the review of historical Sanborn Fire Insurance Company Maps dated 1887, 1895, 1913, 1950, 1952, 1984, and 1990 is provided below. Copies of relevant Sanborn maps are provided in Appendix C (note: subject property outlines on these maps, as drawn by ESI, may vary depending on map accuracy, and are approximations chosen to best reflect likely on-site historical uses).

1887: Municipal water is depicted as being available to the property. No petroleum or chemical bulk storage tanks are noted on the subject property, adjoining properties, or in the surrounding area. The subject property is developed with numerous light commercial row structures (including a blacksmith, retail stores and a greenhouse), two dwellings, and several outbuildings. Adjoining structures to the west and south contain dwellings and saloons. The eastern adjoining property contains the "Dunwoody Bro's Soap" manufacturing facility, while the northern adjoining property across Main Street contains the "Van Wyck and Collins Marble Works" and several small light commercial row structures. The surrounding areas in all directions are well developed with residential and commercial properties, including several large commercial and manufacturing facilities to the north and northwest.

1895: All commercial structures on the subject property are now labeled as stores. The greenhouse at the northeastern corner of the property is no longer shown and a new store is located just west of the former structure. The blacksmith building is now labeled as a garage. The adjoining property to the south now contains the "G. Brenner Coal Yard", which includes two coal sheds and several outbuildings (one of which is shown encroaching on the southeastern corner of the property). No other significant changes are noted on adjoining or surrounding area properties.

1913: The structure at the northwestern corner of the property now contains a laundry facility, while a structure at the western portion of the property contains a key manufacturing facility (including machining and plating). A new structure containing two stores is now located at the northeastern corner of the property. No significant changes are noted on adjoining or surrounding area properties.

1950-
1952: New structures, which connect to the former key manufacturer (now a furniture warehouse) are shown at the central portion of the property. Several stores at the northern-central portion of the property are now labeled as paper storage and the laundry facility at the northwestern corner of the property is now a furniture warehouse. A dwelling at the southwestern corner of the property is now a store. The coal yard on the southern adjoining property is now a glass warehouse and the marble works on the northern adjoining property has been replaced by several small commercial buildings. A 25-car garage is now located on a southeastern adjoining property. No significant changes are noted in the surrounding area.

1984: A portion of the furniture warehouse at the central portion of the property is now labeled "painters storage". The glass storage building on the southern adjoining property is now used for lumber storage. No other significant changes are noted on adjoining properties. The surrounding area to the northwest is now shown as being vacant (it is not clear whether the area is vacant or if there is no map coverage).

1990: The subject property is now vacant. The western adjoining property now contains a large parking lot, the southern adjoining property is vacant, with the exception of a single unlabeled building, the southeastern adjoining property no longer contains a garage, and the northern adjoining property now contains a large office building and parking lot. The surrounding area to the northwest now contains several large, multi-family apartment buildings and parking lots. The surrounding area to the northeast shows decreased development and a road noted to be the "Westbound Arterial" is shown in the nearby surrounding area to the east.

City Directories

Historical city directories dated 1942, 1948, 1963, 1967, 1972, 1977, 1982, 1988, 1992, 1995, 1998, 2003, 2008, and 2013 were reviewed for the subject property and for several adjoining properties. Occupants of the former buildings on the subject property include Standard Distributors, Inc. (wholesale dry goods), a beauty shop, and residential tenants. The 2008 City Directory lists Gil Petroleum, Inc., at 182 Main Street; however, there is no record of Gil Petroleum, Inc. on the associated property card (Lot 945130) and all former on-site structures were demolished in the early to late 1980s and the listing appears to be an error. No uses of adjoining properties were identified that are likely to represent a significant environmental threat to the subject property. Copies of these directories are provided as Appendix D.

3.1.5 Municipal and Regulatory Agency Records

Assessor's Office Records

City of Poughkeepsie Assessor's Office property card records for the subject property were reviewed on May 1, 2015. Included in the records was a sketch of several former structures at the western portion of the property on Lot 942131 (noted to have been occupied by the "Reliable Furniture Company"), which were demolished in April 1982. Additionally, the property card for Lot 941122 indicates that a former 2.5-story brick dwelling was demolished in May 1977. No other information pertinent to the environmental integrity of the subject property was present in these records. Readily available property ownership information is summarized in Table 2.

Building Department Records

City of Poughkeepsie Building Department records for the subject property were reviewed on May 1, 2015. No information pertinent to the environmental integrity of the subject property was present in these records.

Local Agency Interviews

NYSDEC

A request was made on May 1, 2015 to search the available NYSDEC records for information regarding the subject property. No response from this agency has been received by this office as of the date of this Combined Phase I and II ESA.

3.2 Review of Federal and State Agency Records

Federal and state computer databases and printed records were reviewed for documentation of environmental conditions and/or liabilities relevant to the property.

3.2.1 Methodology

The following ASTM Standard Environmental Record Sources (as available for the subject property's locality) were reviewed (search distances are consistent with, or exceed, ASTM requirements).

Federal National Priority List (1.0 mile) and delisted National Priority List sites (0.5 mile)
Federal CERCLIS list and CERCLIS NFRAP site list (0.5 mile)
Federal RCRA CORRACTS facilities list (1.0 mile)
Federal RCRA non-CORRACTS TSD facilities list (0.5 mile)
Federal RCRA generators list (subject/adjoining properties)
Federal ERNS list (subject property)
Federal, State, and Tribal Institutional Control / Engineering Control registries (subject property)
State- and Tribal-equivalent NPL (1.0 mile)
State- and Tribal-equivalent CERCLIS (0.5 mile)
State and Tribal Brownfield and voluntary cleanup sites (0.5 mile)
State and Tribal leaking storage tank lists (0.25 mile)*
State (including locally administered) and Tribal registered storage tank lists (subject/adjoining properties)
State and Tribal landfill and/or solid waste disposal site lists (0.5 mile)

* *The search distance for this ASTM database has been reduced due to the high level of development of the area in which the subject property is located.*

The following Additional Environmental Record Sources (as available for the subject property's locality) were reviewed in order to enhance and supplement the review of standard sources:

State spill file records (0.25 mile)
State MOSF list (0.5 mile)
State radon data (by local municipality as available)
Federal and State wastewater discharge permits (subject/adjoining properties)

A copy of relevant portions of a database search conducted by Environmental Data Resources, Inc. (EDR) for ESI is provided in Appendix E. Not all of the sites contained in the attached database search may be referenced below; some sites may have been excluded based on either ASTM requirements, ESI's scope of services or professional opinion, and/or information obtained during the review of historical records and the site inspection. Some information may have been deemed to not be practically reviewable (e.g., records lack adequate address information). Sites or additional information not included in the database search may also be referenced based on ESI's knowledge of the subject property area.

Where sites have been identified within the specified approximate minimum search distances, ESI's opinion is presented as to any possible impacts that might result in RECs in connection with the subject property, arising from the migration of contaminated soil, soil vapor and/or groundwater. Evaluation of potential impacts to the subject property is based on: distance and direction to the identified site; type of regulated materials and other relevant information found in available records; presence of intervening roadways and/or other physical conduits; local physical setting (topography, soil conditions, geology, hydrology, etc.); and other information known to ESI. Potential vapor encroachment conditions, if any, have been evaluated (as warranted) following the methodology provided in ASTM Standard E2600-10, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.

3.2.2 Findings of Regulatory Records Review

Federal Hazardous Waste-Contaminated Sites

The subject property is not identified on the United States Environmental Protection Agency's (USEPA): National Priority List (NPL) of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions; CERCLIS list of sites that are proposed to the NPL or that are in the screening and assessment phase for possible proposal to the NPL; CERCLIS No Further Remedial Action Planned (NFRAP) list, which are former CERCLIS sites that were delisted because no significant hazardous waste

contamination was found, or because the site has been remediated; or Federal Brownfields list of sites with known or potential contaminants receiving federal cleanup funding.

The subject property is not identified on readily available USEPA Institutional Control/Engineering Control registries.

The following federal sites have been identified:

Site Name	Site ID	Distance/Direction	Database
Central Hudson G & E Corp	NYD980641583	0.34 mile, W	CERCLIS NFRAP
Hudson River PCBs	NYD980763841	0.43 mile, W	CERCLIS
Bern Colors	NYD002013951	0.41 mile, NW	CERCLIS NFRAP
Poughkeepsie City of Qual Krom	NYD071091292	0.49 mile, NNE	CERCLIS NFRAP

Based on ESI's review of reported information, these sites are not likely to have significantly impacted the subject property.

No NPL sites are located within one mile of the property and no other CERCLIS sites or delisted NPL sites are located within a half mile of the property.

State Sites

Inactive Hazardous Waste Disposal Sites

NYSDEC maintains a Registry of Inactive Hazardous Waste Disposal Sites (IHWDS), a state equivalent to the federal NPL, which are commonly referred to as "Registry" or "Superfund" sites. Sites are placed on the Registry if there is evidence that hazardous waste was disposed and NYSDEC and NYSDOH determine that a significant threat to public health is present. When a site has been remediated, it is reclassified or removed from the Registry (delisted) to indicate that the significant threat(s) has been addressed. Non-Registry sites may (but usually do not) also present significant threats.

The subject property is not identified as a NYSDEC IHWD site, and has not been listed as a site under investigation for inclusion in the IHWDS Registry (a state equivalent to the federal CERCLIS List).

The following sites have been identified in IHWDS database records:

Site Name	Site ID	Distance/Direction	Classification Code
HRH Lead Abatement Site	314122	0.30 mile, ENE	A – active (non-registry site)
CH – Poughkeepsie MGP – Water Street	314070	0.34 mile, W	N – no further action at this time
Berncolors Dye Co.	314026	0.34 mile, W	N – no further action at this time
Qual Krom Site	314100	0.49 mile, NNE	N – no further action at this time
A.C. Dutton Lumber Co.	314081	0.59 mile, NNW	N – no further action at this time

Based on ESI's review of reported information, these sites are not likely to have significantly impacted the subject property.

Voluntary Cleanup, Brownfields Cleanup, and Environmental Restoration Programs

Significantly contaminated properties that are not Registry sites may be listed in NYSDEC database records based on participation in the Voluntary Cleanup (VCP), Brownfields Cleanup (BCP) or Environmental Restoration (ERP) NYSDEC environmental remediation programs. The subject property has not been identified as a NYSDEC remedial program site.

The following NYSDEC environmental remediation program sites have been identified:

Site Name (Program)	Site ID	Distance/Direction	Classification Code
Luckey Platt Building (ERP)	E314110	0.31 mile, ESE	N –no further action at this time
CH – Water St. – Poughkeepsie MGP (BCP, VCP)	C314070/ V00291	0.34 mile, W	A – active site (BCP), work is ongoing
Qual Krom Site (ERP)	B00036	0.49 mile, NNE	N –no further action at this time
"400 Block" Restoration Area (ERP)	B00148	0.49 mile, ESE	C – completed, may need maintenance
Former City of Poughkeepsie Sewage Plant (BCP, VCP)	C314109/ V00639	0.50 mile, SW	C – completed, may need maintenance

Based on ESI's review of reported information, these sites are not likely to have significantly impacted the subject property.

Registry of Institutional and Engineering Controls in New York State

The subject property is not identified on the NYSDEC's Registry of Institutional and Engineering Controls in New York State.

Federal Hazardous Waste Handlers

The USEPA Resource Conservation and Recovery Information System (RCRIS) database details facilities that report treatment, storage or disposal of hazardous waste (TSD facilities) or generation or transportation of hazardous waste. Facilities that have been notified by the USEPA to take corrective action with regard to their handling of hazardous waste are classified as CORRACTS facilities.

CORRACTS and/or TSD Facilities

The subject property is not registered with the USEPA as a CORRACTS and/or TSD facility for hazardous waste or materials. No CORRACTS and/or TSD facilities are located within one mile of the property.

Generators or Transporters (Non-CORRACTS)

The subject property is not registered with the USEPA as a generator or transporter of hazardous waste.

The following generators or transporters have been identified at adjoining properties:

Site Name	Site ID	Distance/Direction	Classification
Dutchess Express	NYR000044123	Southern adjoining	Generator NLR

The Dutchess Express property, which adjoins the subject property to the south, is listed on the RCRIS database as a no longer registered non-generator of hazardous waste. This property was listed as a conditionally exempt small quantity generator in 1997 for the removal of spent non-halogenated solvents. No violations are listed for the property. This activity was likely associated with the former use of this property for automotive repair (ESI has knowledge that this property was also used as a taxi facility).

Based on ESI's review of reported information, the potential exists that the subject property could have been impacted by releases of hazardous materials at this adjoining site.

Landfills and Solid Waste Disposal Facilities

The NYSDEC's Facility Register does not list the subject property as an active or inactive landfill or solid waste disposal facility.

The following landfills and solid waste disposal facilities have been identified:

Site Name	Status	Distance/Direction	Classification
G.F. Refuse T.S.	Inactive	0.10 mile, E	Transfer station

Based on ESI's review of reported information, this site is not likely to have significantly impacted the subject property.

Chemical Bulk Storage (CBS)

A review of NYSDEC records indicates that the subject property and adjoining properties are not registered as CBS facilities. Observations made during the site inspection did not indicate the presence of chemical bulk storage on the subject property or at adjoining properties.

Petroleum Bulk Storage

Subject Property

A review of the NYSDEC petroleum bulk storage (PBS) database indicates that the subject property is not registered as a PBS facility. No evidence of aboveground or underground PBS tanks was noted on the subject property during the site inspection.

Adjoining Properties

A review of the NYSDEC PBS database indicates that the property at 13-15 South Bridge Street (also noted as a former generator of hazardous waste), which adjoins the subject property to the south, is a PBS facility (PBS Number: 3-185086) as follows:

Tank ID and Status	Capacity (gal)	Contents	Tank Details
1 – in service	8,000	Gasoline	underground, steel/carbon steel, installed 10/1977

This adjoining property is additionally registered as a PBS facility under PBS number 3-601912 as follows:

Tank ID and Status	Capacity (gal)	Contents	Tank Details
1 – closed/removed	275	waste-oil	aboveground, steel/carbon steel/iron, closed 09/2006

Two closed NYSDEC spill events are reported for this adjoining property (see the State Chemical and Petroleum Spill and Leaking Underground Storage Tank Events subsection, below).

A release of petroleum at this adjoining site could potentially have impacted the subject property. No overt evidence of PBS tanks was noted on this adjoining property.

Major Oil Storage Facilities

The subject property is not listed with the NYSDEC as a major oil storage facility (MOSF). No MOSFs are located within a half mile of the property.

Federal Chemical and Petroleum Spills

The USEPA Emergency Response Notification System (ERNS) database details initial reports of releases of oil and hazardous substances as reported to federal authorities. There are currently no federal chemical or petroleum spills on record for the subject property.

State Chemical and Petroleum Spill and Leaking Underground Storage Tank Events

NYSDEC database records were reviewed to determine possible impacts from leaking tanks and other reported releases within a quarter mile of the subject property.

During the extension of test pits at the northeastern portion of the subject property (see Section 4.0 below), field evidence of petroleum contamination (i.e. petroleum odors, elevated PID readings and

stained soils) were noted at approximately 6 to 8 feet bsg in TP-03 and TP-05, and 6 to 12 feet bsg in TP-06. As a result of these findings, NYSDEC spill number 1502657 was reported for the subject property (the spill file is not closed). No other spill events are known to have occurred at the subject property.

The following spill events are reported for adjoining properties:

Spill File ID and Status	Location	Material Spilled	Spill Date (Closure Date)
9106196 – closed	13 South Bridge St.	gasoline	September 9, 1991 (July 6, 1992)
0611093 – closed	13 South Bridge St.	gasoline	January 4, 2007 (January 17, 2007)
0311129 – closed	192-194 Main Street	#2 fuel-oil	December 30, 2003 (April 19, 2004)
0212262 – closed	191 Main Street	Hydraulic oil	March 12, 2003 (July 2, 2004)

Spill number 9106196 was reported as a result of a tank test failure at the southern adjoining property. The file indicates that a retest was to be performed but no further information is provided. The spill was closed ten months later (state cleanup standards met). Spill number 0611093 was reported for this property when petroleum impacted soils were discovered during soil borings. Laboratory analysis of samples of the impacted soils indicated that the "contamination [was] minimal and [did] not require further investigation/remediation". The spill was closed approximately two weeks later (state cleanup standards not met).

Spill number 0311129 was reported for an eastern adjoining property when contaminated soils and groundwater were discovered during removal of an underground tank containing #2 fuel-oil. The database file indicates that soils were stockpiled behind the building. No further information is provided regarding cleanup activities; however, the spill was closed four months later (state cleanup standards met).

The potential exists that these spill events at the eastern and southern adjoining properties could have impacted the subject property. Spill number 0311129 could potentially have contributed to petroleum contamination encountered during test pits at the northeastern portion of the subject property (see Section 4.0).

Spill number 0212262 was reported for the northern adjoining property when an elevator malfunctioned. The file indicates that it was unknown if there was a release of hydraulic oil and that 0-gallons of material was released. The spill was closed approximately a year and a half later (state cleanup standards not met). Based on a review of reported information, it is unlikely that this spill event has impacted the subject property.

No other spill events were identified within the search radius with the potential to have significantly impacted the subject property.

Air Discharges

No NYSDEC permits for air discharges from the subject property are known to exist. No operations likely to require a NYSDEC air discharge permit were noted on the subject property.

Wastewater Discharges

No USEPA National or NYSDEC State Pollutant Discharge Elimination System (NPDES or SPDES) permit was identified for the subject property. No wastewater discharges are known to exist on the subject property. According to available information, the subject property has access to the municipal wastewater system. No adjoining properties are registered as NPDES or SPDES facilities.

Radon

Information on radon levels was obtained from New York State Department of Health (NYSDOH) documents. No regulatory standards for radon levels currently exist in New York State. The USEPA has established a guidance value (the level where mitigation measures may be appropriate) for radon

concentrations of 4.0 or greater picoCuries/liter (pCi/l). Other regulatory authorities (e.g., OSHA) have established guidance levels that are directly related to specific site activities (a determination as to applicable radon guidance levels is beyond the scope of this report). A summary of available radon information for the subject property's vicinity is provided below in Table 3.

Table 3: Basement Radon Levels in Vicinity of Subject Property
All radon levels provided in picoCuries/liter (pCi/l)

NYSDOH Radon Information	Dutchess County	City of Poughkeepsie
Number of Homes Tested	3,167	1,086
Average Radon Level	4.03	3.42
Percent of Homes >4.0 pCi/l	54%	48%

These average radon levels are below the USEPA's guidance value of 4.0 pCi/l; however, more than a third of the homes tested in the subject property's vicinity had levels in excess of this guidance value. These data support the conclusion that elevated radon levels may be present on the subject property. According to available information, radon testing has not been conducted on the subject property. The absence of any residential use of the property suggests that radon testing is not required at this time.

3.3 Site Inspection

3.3.1 Protocol

The site inspection was conducted on May 1, 2015 in order to address any potential concerns raised during the investigation of the site's history (Section 3.1) and the regulatory agency records review (Section 3.2), and to identify any additional indications of contamination from the use, storage, or disposal of hazardous or regulated materials. To the extent possible, site structures, vegetation, topography, surface waters, and other relevant site features were examined for any obvious evidence of existing or previous contamination or unusual patterns (e.g., vegetative stress, soil staining, surface water sheen, or the physical presence of contaminants), which would indicate that the environmental integrity had been or could be impacted.

Section 3.3.2 describes the physical characteristics of the subject property. Section 3.3.3 is divided into topics on specific environmental conditions or concerns, actual or potential, noted on the subject property during the site inspection. Section 3.3.4 describes the physical characteristics of adjoining properties as they concern the potential or actual environmental condition of the subject property.

A Selected Site Features/Fieldwork Map illustrating the general layout of the subject property and the locations of specific areas of concern (if any) is provided on Page 8. Photographs of the subject property are provided in Appendix A.

3.3.2 Physical Characteristics of the Subject Property

3.3.2.1 Property

The subject property is an irregular-shaped, vacant 0.61-acre parcel, which has 235.7 feet of frontage on the southern side of Main Street and 190.2 feet of frontage on the eastern side of South Bridge Street. The property currently contains a grass covered park and wooded areas at the southern and eastern property borders. The northern and western property borders are defined by Main Street and South Bridge Street, while the eastern and southern property lines are defined by a chain link fence and buildings, respectively.

3.3.2.2 Structures

No structures are present on the subject property; however, evidence of former on-site structures (foundation remains, brick debris) was observed during the site inspection. According to Assessor's Office records, the subject property has access to the municipal water and sewage systems. No water supply wells were noted on the subject property during the site inspection and no on-site uses of groundwater are known to exist for the subject property.

3.3.3 Specific On-Site Environmental Conditions

Debris Areas

Building debris, consisting of concrete and wood, was observed at the southeastern portion of the property near an adjoining building (noted to be in poor condition). Additionally, brick debris was observed at the eastern property border. During the extension of test pits on the property (see Section 4.0), subsurface fill/debris materials consisting of brick, concrete, metallic materials, building materials, and wood were observed between approximately 0.5 and 9 feet bsg. These materials could potentially contain asbestos and/or lead based paint.

Scattered household trash was observed throughout the property (particularly along property borders). Several tires were noted at the southeastern corner of the property. None of these materials are likely to represent a threat to the environmental integrity of the subject property.

Petroleum Storage

No evidence of the on-site storage or use of petroleum products (small containers, aboveground tanks or indications of underground tanks) was observed on the subject property.

Chemical Storage

No evidence of the on-site storage or use of chemical products (small containers, aboveground tanks or indications of underground tanks) was observed on the subject property during the site inspection.

Asbestos-Containing Materials and Lead Based Paint

The likely dates of construction of the former on-site buildings (prior to 1887) suggests that asbestos-containing materials (ACM) and lead-based paint (LBP) may have been used during initial building construction and/or during subsequent maintenance work. During the extension of test pits on the property (see Section 4.0), debris from former on-site structures was observed to be present in subsurface soils. Subsurface soils and debris/fill materials on the property could potentially contain asbestos and/or lead based paint (elevated lead concentrations detected in soil samples collected at the property may be derived from lead based paint associated with subsurface debris).

Wastewater Discharges

The term "wastewater" indicates water that: (1) is or has been used in an industrial or manufacturing process; (2) or is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant; (3) or conveys or has conveyed sewage (water originating on or passing through or adjacent to a site, such as stormwater flows, is not generally considered to be wastewater). No evidence of wastewater discharges into drains, ditches, or streams on or adjacent to the property was observed during the site inspection.

Stormwater Management and Exterior Drains/Sumps/Conduits

No exterior stormwater catch basins, drains, sumps, or other potential significant conduits to the subsurface, or indications of liquid discharges into drains, ditches, or streams on or adjacent to the property, were observed on the subject property.

Staining/Corrosion/Leaks

Stained soil was observed during the extension of test pits (see Section 4.0). No other evidence of corrosion, leaks, or staining (indicative of an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products onto the subject property, was observed during the site inspection.

Topographic Irregularities

No overt topographic irregularities (e.g., sinkholes or berms) indicative of the presence of non-natural materials (including debris) in the subsurface were observed on the subject property.

Vegetative Features

No overt areas of stressed or dying vegetation indicative of the presence of contaminants in surface or subsurface soils were observed on the subject property.

Pits, Ponds, or Lagoons

No pits, ponds, or lagoons exhibiting evidence (e.g., discolored water, distressed vegetation, obvious wastewater discharge) of holding liquids or sludge containing hazardous substances or petroleum products were observed on the subject property.

Surface Waters

No surface water bodies are located on the subject property.

Odors

Soil with petroleum odors was noted during the extension of test pits (see Section 4.0). No other unusual odors indicative of the presence of contamination were noted during the site inspection.

PCBs

An inspection for the presence of equipment likely to contain polychlorinated biphenyls (PCBs) was conducted by this office. PCBs were widely used in equipment such as transformers, capacitors, and hydraulic equipment until 1979 when the USEPA regulated their use in this capacity. No equipment likely to contain PCBs was noted on the subject property.

3.3.4 Environmental Concerns at Adjoining and Nearby Properties

Adjoining and nearby properties were observed from the subject property and from public thoroughfares for the purpose of identifying any recognized environmental conditions or other potential environmental concerns. No conditions likely to significantly impact the subject property were observed during the site inspection.

4.0 SUBSURFACE INVESTIGATION

4.1 Summary of Services

In order to investigate subsurface conditions at the Site, ESI extended thirteen (13) test pits to a maximum depth of 12 feet bsg and collected nine (9) soil samples for laboratory analysis of: volatile organic compounds (VOCs, USEPA Method 8260); semi-volatile organic compounds (SVOCs, USEPA Method 8270); Target Analyte List (TAL) metals (USEPA Methods 6010/7473); and pesticides and PCBs (USEPA Methods 8081/8082).

This Phase II ESA is divided into individual sections that document fieldwork methodology (Section 2.2) and laboratory results (Section 2.3), and present ESI's conclusions and recommendations (Section 3.0).

4.2 Fieldwork Methodology

4.2.1 Site Preparation Services

Prior to the initiation of fieldwork, a request for a complete utility markout of the subject property was submitted by ESI as required by New York State Department of Labor regulations. Confirmation of underground utility locations was secured and a field check of the utility markout was conducted prior to the extension of soil borings.

4.2.2 Extension of Test pits

Thirteen test pits were extended on the Site on May 26, 2015, as follows:

- TP-01 was extended at the southwestern portion of the Site, on Lot 941122;
- TP-02, TP-03, TP-04 and TP-06 were extended at the eastern portions of the Site, on Lot 942131;
- TP-05 was extended at the northern-central portion of the Site, on Lot 945130;
- TP-07, TP11, and TP-13 were extended at the western-central portions of the Site, on Lot 942131;
- TP-08, TP-09, and TP-10 were extended at the northwestern portions of the Site, on Lot 942131; and,
- TP-012 was extended at the southwestern portion of the Site, on Lot 941122.

A Selected Site Features/Fieldwork Map indicating boring locations and selected site features is provided on Page 8.

Test pits were extended by personnel from Karl Mannain Excavators using a rubber-wheeled backhoe with a twelve foot reach. Sampling was conducted at each test pit location to a maximum depth of twelve feet below grade or until refusal was reached. Dedicated sampling equipment was used during the collection of samples exposed during the extension of test pits, consistent with established NYSDEC protocols.

A MiniRAE Lite 3000 (Model PGM 7300) photo-ionization detector (PID) was utilized by ESI personnel to screen all encountered material for the presence of any volatile organic gas where appropriate. Prior to the initiation of fieldwork, this PID was properly calibrated to read parts per million calibration gas equivalents (ppm-cge) of isobutylene in accordance with protocols set forth by the equipment manufacturer.

An assessment of subsurface soil characteristics, including soil type, the presence of foreign materials, field indications of contamination (e.g., unusual coloration patterns, or odors), and instrument indications of contamination (i.e., PID readings) was made by ESI personnel during the extension of each test pit. ESI personnel maintained independent field logs documenting physical characteristics, PID readings, and any field indications of contamination for all encountered material at each boring location.

Samples of soil material were collected from each of the test pits where appropriate (see Section 2.2.3 for specifics regarding sample collection methodology) and notations were made regarding the sampled material's physical characteristics. A sufficient volume of material was collected at each sample location for the required analyses and for potential additional analyses.

Subsurface soils encountered during the extension of test pits at the eastern and central portions of the Site generally consisted of brown, fine to medium sands overlying dense, brown to black, moist loamy clay with organic odor. Soils encountered at the western portions of the Site consisted of brown to gray, variable texture sands overlying brown to dark brown, moist loamy clay. Groundwater was encountered between 10 and 12 feet bsg during the extension of the test pits at the northeastern portion of the property.

With the exception of TP-01, subsurface debris (likely derived from former on-site structures) consisting of brick, concrete, metallic materials, building materials and wood was encountered in test pits at depths ranging from approximately 0.5 to 9 feet bsg.

Moderate petroleum odors, elevated PID readings (peak level 150 ppm) and stained soils were observed during the extension of test pits TP-03, TP-05, and TP-06 at the northeastern portion of the Site. Petroleum-related impacts were noted at approximately 6 to 8 feet bsg in TP-3 and TP-5, and 6 to 12 feet bsg in TP-06. As a result of these findings, spill number 1502657 was reported to the NYSDEC.

No other field evidence of contamination was observed during the extension of test pits.

4.2.3 Sample Collection

All soil samples collected by ESI were obtained in a manner consistent with NYSDEC sample collection and decontamination protocols. All field personnel wore dedicated, disposable gloves, and all samples were placed into laboratory-supplied containers. Soil samples were collected directly from soils exposed during the extension of test pits.

All soil samples were placed in a cooler immediately after sample collection and were maintained at cold temperatures prior to transport to the laboratory. Samples were transported on May 28, 2015 via courier to York Analytical Laboratories, Inc., a New York State Department of Health-certified laboratory (ELAP Certification Number 10854) for chemical analyses.

4.3 Laboratory Analysis

4.3.1 Guidance Levels

The term "guidance level", as defined in this Combined Phase I and II ESA refers to the concentration of a particular contaminant above which remedial actions are considered more likely. The overall objective of setting guidance levels is to assess the integrity of on-site soils relative to conditions which are likely to present a threat to public health or the environment, given the existing and probable future uses of the Site. On-site soils with contaminant levels exceeding these guidance levels are considered more likely to warrant remediation. No independent risk assessment was performed as part of this investigation.

The guidance levels identified in this Combined Phase I and II ESA for all compounds detected in soils are based on NYSDEC Remedial Program Soil Cleanup Objectives (SCOs) for Unrestricted Use (UUSCOs) as provided in 6 NYCRR Subpart 375, Table 375-6.8(a), and on Soil Cleanup Levels (for gasoline and fuel oil contaminated Soils) presented in NYSDEC CP-51 (Soil Cleanup Guidance, October 2010) Tables 2 through 3. Guidance levels for pesticides and metals detected in soils were also compared to Restricted Use, "Restricted-Residential" SCOs (RRUSCOs) as provided in Table 375-6.8(b) and Supplemental Soil Cleanup Objectives presented in CP-51 Table 1.

All data presented in this Combined Phase I and II ESA have been analyzed in accordance with applicable guidance levels.

4.3.2 Sample Submission

Submission of samples for laboratory analysis was based on observations made by ESI personnel during the extension of the test pits, including the presence or absence of elevated PID readings, unusual odors, discoloration, or, any other unusual patterns. A sufficient number of samples were submitted for analysis to provide a general screening of the property.

Soil samples were analyzed as follows:

- TP-03, TP-05, TP-06, TP-10 and TP-12 – VOCs;
- TP-03, TP-05 and TP-06 – SVOCs;
- TP-04, TP-08 and TP-13 – pesticides and PCBs; and,
- TP-02, TP-04, TP-08, TP-10, TP-12 and TP-13 – TAL metals.

4.3.3 Laboratory Results

A summary of the results of the laboratory analyses conducted on soil and soil vapor samples is presented below. Data summary tables and the laboratory report are provided in Appendices F and G, respectively, recommendations regarding these findings are located in Section 5.0.

VOCs

Acetone was detected above UUSCOs (0.05 ppm) in TP-03 at 0.094 ppm and TP-05 at 0.06 ppm. Trace level concentrations were also detected in TP-06, TP-10, and TP-12; however, acetone is a common laboratory contaminant and was also detected in the batch blanks associated with TP-10 and TP-12. No other VOCs were detected at concentrations above guidance levels.

Trace level concentrations of several other VOCs (e.g., 2-butanone, 1,2,4-trimethylbenzene, and sec-butylbenzene) were detected in TP-03, TP-05, and TP-06. No other VOCs were detected in TP-10 and TP12.

SVOCs

The following SVOCs were detected in TP-05 at concentrations above SCOs:

- Benzo(a)anthracene exceeded the RRUSCO (1 ppm) at 2.77 ppm;
- Benzo(a)pyrene exceeded the RRUSCO (1 ppm) at 1.95 ppm;
- Benzo(b)fluoranthene exceeded the RRUSCO (1 ppm) at 1.86 ppm;
- Benzo(k)fluoranthene exceeded the UUSCO (0.8 ppm) at 1.41 ppm;
- Chrysene exceeded the UUSCO (1 ppm) at 2.19 ppm; and,
- Indeno(1,2,3-cd)pyrene exceeded the RRUSCO (0.5 ppm) at 0.643 ppm.

No other SVOCs were detected at concentrations above UUSCO guidance levels. Trace and low-level concentrations of several other SVOCs (e.g., fluoranthene, fluorene, and/or phenanthrene) were detected in each of the soil samples submitted for analysis.

Pesticides

The following pesticides were detected in TP-08 at concentrations above RRUSCOs:

- 4,4'-DDE (RRUSCO 8.9 ppm) at 20.1 ppm;
- 4,4'-DDT (RRUSCO 7.9 ppm) at 44 ppm;
- Alpha chlordane (RRUSCO 4.2 ppm) at 64.7 ppm; and,
- Gamma chlordane (RRUSCO 0.54 ppm) at 73.8 ppm.

A significantly elevated concentration of total chlordane (482 ppm [SCO not established]) and an elevated concentration of endrin aldehyde (5.11 ppm [SCOs not established]) were also detected in TP-08. No other pesticides were detected in any soil samples submitted for analysis.

PCBs

No PCBs were detected in any soil samples submitted for analysis.

Metals

The following TAL metals were detected at concentrations above SCOs:

- Barium exceeded the RRUSCO (400 ppm) in TP-08 at 915 ppm.
- Copper exceeded the UUSCO (50 ppm) in: TP-04 at 51.8 ppm; TP-08 at 68.5 ppm; TP-12 at 136 ppm; and, TP-13 at 74.1 ppm.
- Iron exceeded the RRUSCO (2,000 ppm) in all samples at concentrations ranging from 17,500 ppm in TP-10 to 29,500 ppm in TP-02.
- Lead exceeded the RRUSCO (400 ppm) in: TP-04 at 635 ppm; TP-08 at 5,450 ppm; TP-10 at 3,200 ppm; TP-12 at 802 ppm; and, TP-13 at 817 ppm.
- Mercury exceeded the RRUSCO (0.81 ppm) in TP-04 at 2.03 ppm; TP-10 at 0.88 ppm; TP12 at 1.48 ppm; and, TP-13 at 3.08 ppm. Mercury was also detected above the UUSCO (0.18 ppm) in TP-08 at 0.79 ppm.
- Zinc exceeded the UUSCO (109 ppm) in: TP-04 at 245 ppm, TP-08 at 906 ppm; TP-12 at 501 ppm; and, TP-013 at 316 ppm.

No other TAL metals were detected at concentrations above guidance levels.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Ecosystems Strategies, Inc. (ESI) has performed a Combined Phase I and II Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the property located at 178-182 Main Street & 11 South Bridge Street, City of Poughkeepsie, Dutchess County, New York. Any exceptions to, or deletions from, this practice are described in Section 1.2 of this report. The Environmental Professionals preparing this report have not identified any significant data gaps that affect their ability to identify recognized environmental conditions (RECs).

This assessment has revealed evidence of the following recognized environmental conditions (RECs) in connection with the property:

- Documented petroleum contamination at the northeastern portion of the property (and associated open NYSDEC spill event)
- Documented metals contamination throughout the property and pesticide contamination at the north-central portion
- Presence of urban fill materials to various depths
- Potential impacts from releases at adjoining properties with NYSDEC spill events

ESI's major findings, conclusions and recommendations (in **bold**) regarding any RECs and any other potential environmental liabilities associated with the property are presented below. Cost estimates for any proposed investigations and/or remedial actions are provided in *italics* where appropriate.

1. The subject property is likely to have been used for commercial and residential purposes from as early as 1887 until the early to mid-1980s when all former on-site structures were demolished. Laboratory data generated during the Phase II portion of this investigation (see Sections #2 and #3, below) indicate that petroleum contaminated soils are located at the northeastern portion of the property and that metals and pesticide contamination is present in soil and fill/debris materials. The source of the documented soil contamination may be from historical manufacturing operations or other commercial uses, or may be related to debris from the demolition of former on-site structures (identified in test pits extended throughout the Site). Debris materials may contain lead based paint, asbestos, or other regulated materials and all subgrade materials demonstrate characteristics of regulated waste. Current use of the property as a park is not likely to have impacted the subject property.

   No further investigation of historical records is recommended (see, however, Paragraphs 2 and 3, below). Any future development activities at the property should be conducted with an awareness of the presence of subsurface debris and provision should be made for the proper management of any materials that warrant special handling.

2. Thirteen test pits were extended at the Site. Overt field evidence of petroleum contamination was observed at the northeastern portion of the Site. Laboratory analysis of impacted soils documented the presence of petroleum based volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs); however, only one sample contained SVOCs at concentrations above guidance levels. Based on these findings, spill number 1502657 was reported to the NYSDEC (the subject property was not otherwise identified during the review of regulatory agency records conducted by this office).

Spill number 0311129 was reported for the eastern adjoining property based on soil and groundwater contamination discovered during the removal of an underground fuel-oil tank. The southern adjoining property was identified as a former generator of hazardous waste (spent non-halogenated solvents), a PBS facility, and the site of two closed NYSDEC spill events. The database file for one of the spill events indicates that petroleum impacted soils may have been left in place beneath the on-site building. Based on a review of available information, these adjoining properties could have impacted the subject property. No other adjoining or nearby properties were identified that are likely to have significantly impacted the environmental integrity of the subject property.

It is recommended that additional investigation be conducted to delineate the full extent of documented petroleum contamination, following a NYSDEC-approved work plan. Such investigation should include installation of monitoring wells, collection of groundwater and soil vapor samples, and additional soil sampling to identify the extent of subsurface petroleum contamination (including potential impacts from off-site sources) and determine appropriate remedial strategies (see also, #3 below).

Petroleum contaminated soils should be removed from the Site in accordance with applicable regulations. Off-site disposal of petroleum contaminated soil will require additional sampling for waste characterization analyses. All investigative data and disposal documentation should be provided to NYSDEC in support of closure of spill number 1502657.

3. Observations made during fieldwork activities indicate the presence of buried debris consisting of brick, concrete, metallic materials, building materials, and wood. No evidence of tanks, drums, or hazardous materials were noted; however, metallic and painted materials, and possibly waste pesticides, are likely sources of elevated metals concentrations. With the exception of the southeastern portion of the Site, fill materials and debris were identified in each test pit at depths ranging from less than 1 foot to approximately 9 feet below grade.

   Metal contamination is present throughout the subject property, with particularly high total-weight concentrations of lead detected at the western portion and northern-central portion (also the location of high pesticide levels). These findings suggest that some on-site soils could require management as hazardous waste.

   It is recommended that an additional subsurface investigation be performed at the Site to more fully characterize site conditions, including an assessment of groundwater quality and documentation of the presence or absence hazardous materials (the investigation can be performed in conjunction with remedial activities associated with NYSDEC spill number 1502657). Any soil or debris excavated during remedial or site development activities should be properly characterized and handled, with all regulated materials disposed off-site at a permitted facility. Notification of site conditions should be provided to third parties (such as construction personnel) so that any construction activities that are likely to involve disturbance of impacted materials are managed in accordance with applicable NYSDEC regulations, including implementation of a site-specific Health and Safety Plan, proper sampling of soils slated for off-site disposal, and proper dust and runoff control. Exposure to remaining contamination should be mitigated with engineering controls, such as installation of a cover system (building foundation, pavement, imported clean soil, etc).

An environmental condition is considered “de minimis” when that condition generally does not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies. Conditions determined to be de minimis are not recognized environmental conditions. This assessment has revealed evidence of the following de minimis conditions in connection with the property:

4. Scattered garbage was observed throughout the property, particularly along the southern property line. None of these debris materials were judged by this office to pose a threat to the environmental integrity of the subject property.

   It is recommended that debris materials be segregated into appropriate waste streams (i.e., those which can be disposed of as non-regulated solid waste and those which require special handling) and be disposed of off-site.

5. Elevated concentrations of radon may be present at the subject property.

   It is recommended that radon testing be completed on the property in the event of any future residential development.

6.0 SOURCES OF INFORMATION

6.1 Maps and Documents

Environmental Data Resources, Inc. (EDR), City Directory Abstract, 1942, 1948, 1963, 1967, 1972, 1977, 1982, 1988, 1992, 1995, 1998, 2003, 2008, and 2013.

Environmental Data Resources, Inc. Report, April 24, 2015.

New York State Department of Environmental Conservation, Freshwater Wetlands Map of the Poughkeepsie, New York Quadrangle, accessed online April 22, 2015 via Environmental Resource Mapper at www.dec.ny.gov.

Sanborn Fire Insurance Company Maps dated 1887, 1895, 1913, 1950, 1952, 1984, and 1990.

United States Department of Agriculture, Natural Resources Conservation Service, Soil Survey for Dutchess County, New York, dated 2002.

United States Department of the Interior National Wetlands Inventory Map of the Poughkeepsie, New York, Quadrangle, dated accessed online April 22, 2015 via www.fws.gov/wetlands/Data/Mapper.html.

United States Geological Survey Topographic Map of the Poughkeepsie, New York Quadrangle, dated 1995 digital image provided by MyTopo.com.

University of the State of New York, Geologic Map of New York, Fisher, *et al*., editors (dated 1970, reprinted 1995) and Surficial Geologic Map of New York, D. Cadwell, editor (dated 1989), Lower Hudson Sheets.

6.2 Local Agency Records

City of Poughkeepsie Assessor's Office records, reviewed May 1, 2015.

City of Poughkeepsie Building Department records, reviewed May 1, 2015.

NYSDEC records, requested May 1, 2015.

6.3 Communications

Ken Kearney, representing the User and prospective purchaser, various dates, May 2015.

7.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

The following statements are required by 40 CFR 312.21(d) of the environmental professional(s) responsible for conducting and preparing the Combined Phase I and II Environmental Site Assessment report.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

and

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Paul H. Ciminello
President, Ecosystems Strategies, Inc.

Scott Spitzer
Director of Environmental Investigations, Ecosystems Strategies, Inc.

APPENDIX A

Site Photographs

PHOTOGRAPHS

1. View of subject property looking southwest from Main Street

2. View of garbage and debris at the eastern property border

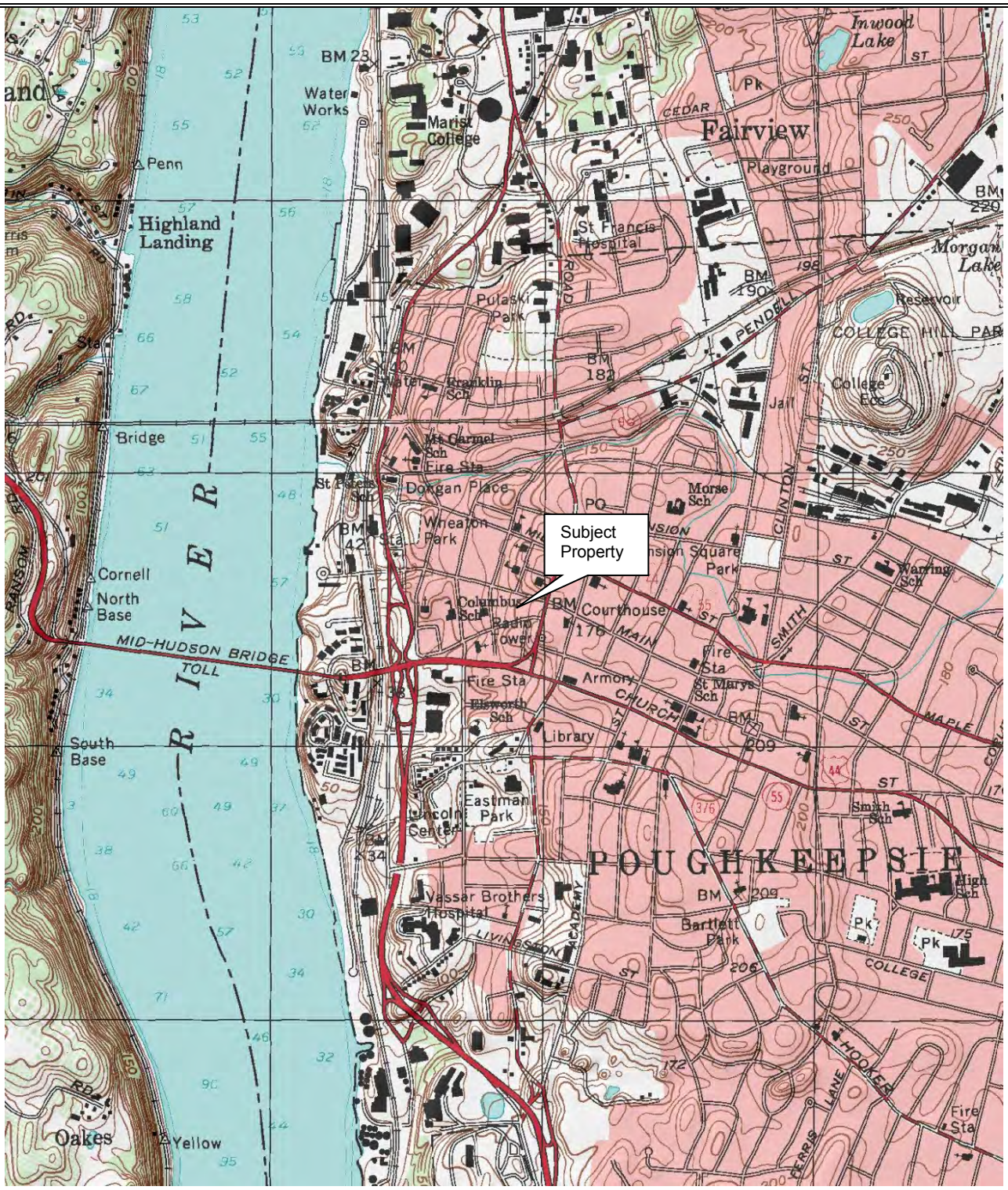
PHOTOGRAPHS

3. **Potential building foundation remnants at the central portion of the property**

4. **Subject property looking east from South Bridge Street**

APPENDIX B

Physical-Setting Maps



Source: USGS Topographic Map of the Poughkeepsie, New York Quadrangle, dated 1995, digital image provided by MyTopo.com

U.S.G.S. Topographic Map

178-182 Main Street & 11 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

N

ESI File: KP15045.10

June 2015

Scale: 1:24000

U.S. Fish and Wildlife Service

National Wetlands Inventory

KP15045.10

Apr 22, 2015

Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

User Remarks:

Please set your printer orientation to "Landscape".

KP15045.10

MinX: 587316, MaxX: 590383, MinY: 4618220, MaxY: 4616902

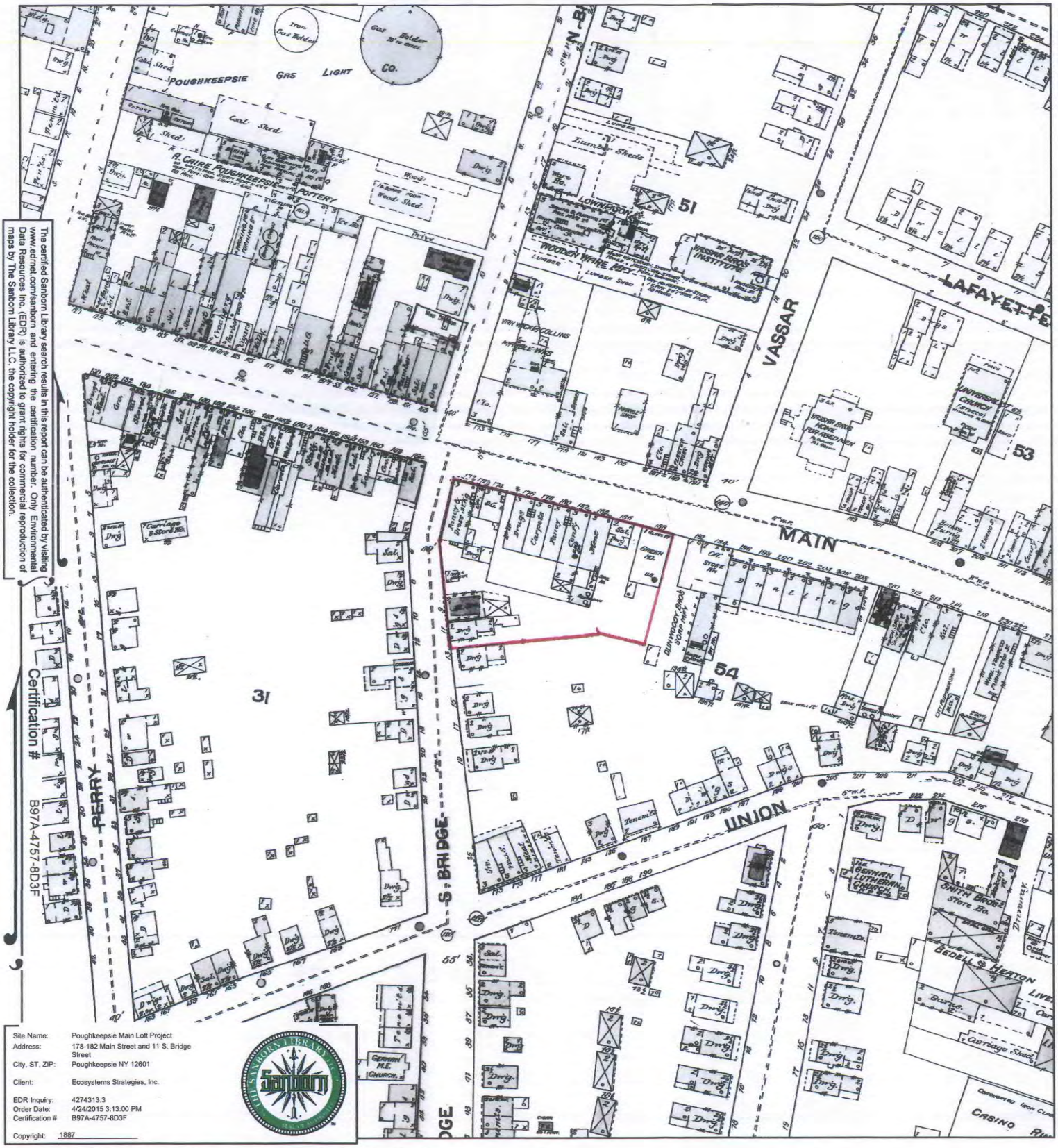
Visible Layers

- Classified Streams
- Classified Ponds
- State-Regulated Freshwater Wetlands
- Wetland Checkzone
- State-Regulated Freshwater Wetlands
- Rare Plants and Rare Animals
- Interstate Highways
- Adirondack Park Boundary
- Counties

APPENDIX C

Sanborn Fire Insurance Maps

1887 Certified Sanborn Map



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Certification # B97A-4757-8D3F

Site Name:	Poughkeepsie Main Loft Project
Address:	178-182 Main Street and 11 S. Bridge Street
City, ST, ZIP:	Poughkeepsie NY 12601
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	4274313.3
Order Date:	4/24/2015 3:13:00 PM
Certification #	B97A-4757-8D3F
Copyright:	1887

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Volume 1, Sheet 13
Volume 1, Sheet 14
Volume 1, Sheet 8

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1895 Certified Sanborn Map

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Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	4274313.3
Order Date:	4/24/2015 3:13:00 PM
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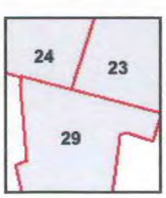

Volume 1, Sheet 23
Volume 1, Sheet 24
Volume 1, Sheet 29

1913 Certified Sanborn Map

Certification # B97A-4757-8D3F

Site Name:	Poughkeepsie Main Loft Project
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City, ST, ZIP:	Poughkeepsie NY 12601
Client:	Ecosystems Strategies, Inc.
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Copyright:	1913

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N

1950 Certified Sanborn Map

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Copyright:	1950

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Volume 1, Sheet 21

0 Feet 150 300 600

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1952 Certified Sanborn Map

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Client:	Ecosystems Strategies, Inc.
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Copyright:	1952

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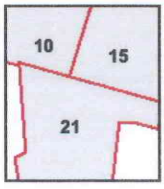

Volume 1, Sheet 10
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Volume 1, Sheet 21

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1984 Certified Sanborn Map

Certification # B97A-4757-8D3F

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Copyright:	1984

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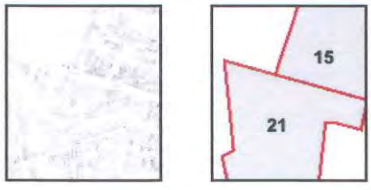
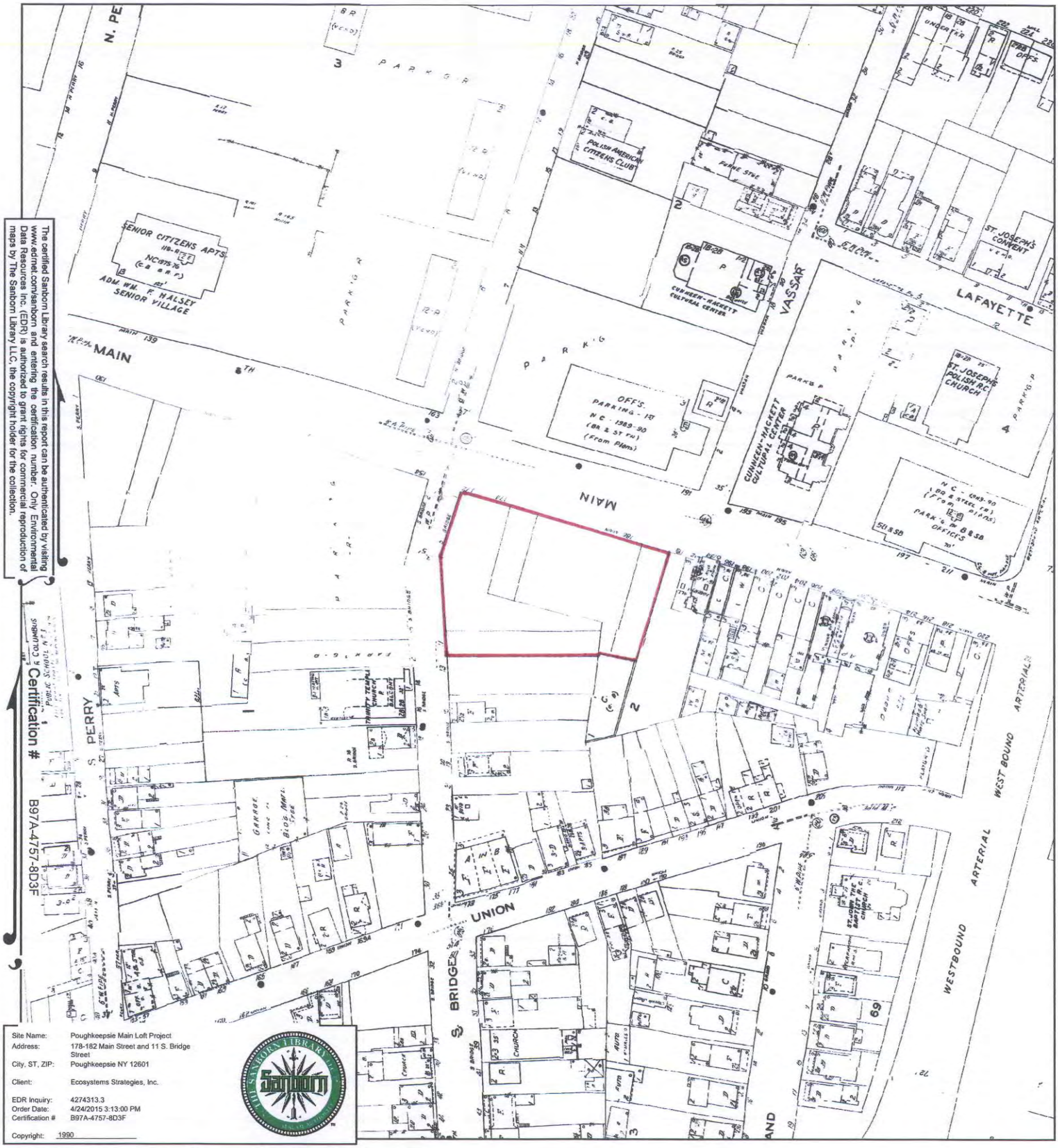


Volume 1, Sheet 15
Volume 1, Sheet 21

0 Feet 150 300 600

N

1990 Certified Sanborn Map



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Certification # B97A-4757-8D3F

Site Name:	Poughkeepsie Main Loft Project
Address:	178-182 Main Street and 11 S. Bridge Street
City, ST, ZIP:	Poughkeepsie NY 12601
Client:	Ecosystems Strategies, Inc.
EDR Inquiry:	4274313.3
Order Date:	4/24/2015 3:13:00 PM
Certification #	B97A-4757-8D3F
Copyright:	1990

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Volume 1, Sheet 10
Volume 1, Sheet 15
Volume 1, Sheet 21

0 Feet 150 300 600

N

APPENDIX F

Data Summary Tables

Table 4: VOCs in Soils

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-03**		**TP-05**		**TP-06**		**TP-10**	
U= Not Detected at or above indicated value		Sample Date	(2015-05-26)		(2015-05-26)		(2015-05-26)		(2015-05-26)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,1,1-Trichloroethane	0.68	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,1,2-Trichloroethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,1-Dichloroethane	0.27	26	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,1-Dichloroethylene	0.33	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2,3-Trichloropropane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0037	*J*	0.0026	*U*	0.0056		0.0041	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2-Dibromoethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2-Dichlorobenzene	1.1	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2-Dichloroethane	0.2	31	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,2-Dichloropropane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,3-Dichlorobenzene	2.4	49	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,4-Dichlorobenzene	1.8	13	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
1,4-Dioxane	0.1	13	0.045	*U*	0.051	*U*	0.054	*U*	0.082	*U*
2-Butanone	0.12	100	0.019		0.015		0.0042	*J*	0.0041	*U*
2-Hexanone	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
4-Methyl-2-pentanone	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Acetone	0.05	100	0.094		0.06		0.028		0.011	*JB*
Acrolein	NA	NA	0.0045	*U*	0.0051	*U*	0.0054	*U*	0.0082	*U*
Acrylonitrile	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Benzene	0.06	48	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Bromochloromethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Bromodichloromethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Bromoform	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Bromomethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Carbon disulfide	NA	NA	0.0042	*J*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Carbon tetrachloride	0.76	24	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Chlorobenzene	1.1	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Chloroethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Chloroform	0.37	49	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Chloromethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Cyclohexane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Dibromochloromethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Dibromomethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Dichlorodifluoromethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Ethyl Benzene	1	41	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Hexachlorobutadiene	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Isopropylbenzene	2.3	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Methyl acetate	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Methylcyclohexane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Methylene chloride	0.05	500	0.0045	*U*	0.0051	*U*	0.0054	*U*	0.0082	*U*
n-Butylbenzene	12	100	0.0023	*U*	0.0026	*U*	0.0092		0.0041	*U*
n-Propylbenzene	3.9	100	0.0023	*U*	0.0026	*U*	0.0028	*J*	0.0041	*U*
o-Xylene	0.26	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
p- & m- Xylenes	0.26	100	0.0045	*U*	0.0051	*U*	0.0054	*U*	0.0082	*U*
p-Isopropyltoluene	10	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
sec-Butylbenzene	11	100	0.014		0.0026	*U*	0.015		0.0041	*U*
Styrene	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
tert-Butyl alcohol			0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0082	*U*
tert-Butylbenzene	5.9	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Tetrachloroethylene	1.3	19	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Toluene	0.7	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
trans-1,2-Dichloroethylene	0.19	100	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Trichloroethylene	0.47	21	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Trichlorofluoromethane	NA	NA	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Vinyl chloride	NA	0.9	0.0023	*U*	0.0026	*U*	0.0027	*U*	0.0041	*U*
Xylenes, Total	0.26	100	0.0068	*U*	0.0077	*U*	0.0081	*U*	0.012	*U*

Detected Concentrations

Concentrations > Track 1 UUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: VOCs in Soils

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-12**	
U= Not Detected at or above indicated value		Sample Date	(2015-05-26)	
Data above SCOs shown in **Bold**		Dilution Factor	1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0034	*U*
1,1,1-Trichloroethane	0.68	100	0.0034	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0034	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0034	*U*
1,1,2-Trichloroethane	NA	NA	0.0034	*U*
1,1-Dichloroethane	0.27	26	0.0034	*U*
1,1-Dichloroethylene	0.33	100	0.0034	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0034	*U*
1,2,3-Trichloropropane	NA	NA	0.0034	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0034	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0034	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0034	*U*
1,2-Dibromoethane	NA	NA	0.0034	*U*
1,2-Dichlorobenzene	1.1	100	0.0034	*U*
1,2-Dichloroethane	0.2	31	0.0034	*U*
1,2-Dichloropropane	NA	NA	0.0034	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0034	*U*
1,3-Dichlorobenzene	2.4	49	0.0034	*U*
1,4-Dichlorobenzene	1.8	13	0.0034	*U*
1,4-Dioxane	0.1	13	0.068	*U*
2-Butanone	0.12	100	0.0034	*U*
2-Hexanone	NA	NA	0.0034	*U*
4-Methyl-2-pentanone	NA	NA	0.0034	*U*
Acetone	0.05	100	0.0093	*JB*
Acrolein	NA	NA	0.0068	*U*
Acrylonitrile	NA	NA	0.0034	*U*
Benzene	0.06	48	0.0034	*U*
Bromochloromethane	NA	NA	0.0034	*U*
Bromodichloromethane	NA	NA	0.0034	*U*
Bromoform	NA	NA	0.0034	*U*
Bromomethane	NA	NA	0.0034	*U*
Carbon disulfide	NA	NA	0.0034	*U*
Carbon tetrachloride	0.76	24	0.0034	*U*
Chlorobenzene	1.1	100	0.0034	*U*
Chloroethane	NA	NA	0.0034	*U*
Chloroform	0.37	49	0.0034	*U*
Chloromethane	NA	NA	0.0034	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0034	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0034	*U*
Cyclohexane	NA	NA	0.0034	*U*
Dibromochloromethane	NA	NA	0.0034	*U*
Dibromomethane	NA	NA	0.0034	*U*
Dichlorodifluoromethane	NA	NA	0.0034	*U*
Ethyl Benzene	1	41	0.0034	*U*
Hexachlorobutadiene	NA	NA	0.0034	*U*
Isopropylbenzene	2.3	100	0.0034	*U*
Methyl acetate	NA	NA	0.0034	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0034	*U*
Methylcyclohexane	NA	NA	0.0034	*U*
Methylene chloride	0.05	500	0.0068	*U*
n-Butylbenzene	12	100	0.0034	*U*
n-Propylbenzene	3.9	100	0.0034	*U*
o-Xylene	0.26	100	0.0034	*U*
p- & m- Xylenes	0.26	100	0.0068	*U*
p-Isopropyltoluene	10	NA	0.0034	*U*
sec-Butylbenzene	11	100	0.0034	*U*
Styrene	NA	NA	0.0034	*U*
tert-Butyl alcohol			0.0068	*U*
tert-Butylbenzene	5.9	100	0.0034	*U*
Tetrachloroethylene	1.3	19	0.0034	*U*
Toluene	0.7	100	0.0034	*U*
trans-1,2-Dichloroethylene	0.19	100	0.0034	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0034	*U*
Trichloroethylene	0.47	21	0.0034	*U*
Trichlorofluoromethane	NA	NA	0.0034	*U*
Vinyl chloride	NA	0.9	0.0034	*U*
Xylenes, Total	0.26	100	0.01	*U*

Detected Concentrations

Concentrations > Track 1 UUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5: SVOCs in Soils

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-03**		**TP-05**		**TP-06**	
U= Not Detected at or above indicated value		Sample Date	(2015-05-26)		(2015-05-26)		(2015-05-26)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
1,2-Dichlorobenzene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
1,2-Diphenylhydrazine	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
1,3-Dichlorobenzene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
1,4-Dichlorobenzene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*
2,4,5-Trichlorophenol	NA	100	0.0726	*U*	0.0784	*U*	0.295	*D*
2,4,6-Trichlorophenol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
2,4-Dichlorophenol	NA	100	0.0726	*U*	0.0784	*U*	0.0742	*U*
2,4-Dimethylphenol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
2,4-Dinitrophenol	NA	100	0.145	*U*	0.156	*U*	0.148	*U*
2,4-Dinitrotoluene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
2,6-Dinitrotoluene	NA	1.03	0.0726	*U*	0.0784	*U*	0.0742	*U*
2-Chloronaphthalene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
2-Chlorophenol	NA	100	0.0726	*U*	0.0784	*U*	0.0742	*U*
2-Methylnaphthalene	NA	0.41	0.0726	*U*	0.0784	*U*	0.0742	*U*
2-Methylphenol	NA	100	0.0726	*U*	0.0784	*U*	0.0742	*U*
2-Nitroaniline	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*
2-Nitrophenol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
3- & 4-Methylphenols	NA	100	0.0726	*U*	0.0784	*U*	0.0742	*U*
3,3'-Dichlorobenzidine	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
3-Nitroaniline	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
4-Chloro-3-methylphenol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
4-Chloroaniline	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
4-Nitroaniline	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*
4-Nitrophenol	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*
Acenaphthene	20	100	0.081	*JD*	0.0784	*U*	0.0742	*U*
Acenaphthylene	100	100	0.0726	*U*	0.0784	*U*	0.0742	*U*
Acetophenone	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Aniline	NA	100	0.29	*U*	0.313	*U*	0.296	*U*
Anthracene	100	100	0.0726	*U*	1.08	*D*	0.0742	*U*
Atrazine	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Benzaldehyde	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Benzidine	NA	NA	0.29	*U*	0.313	*U*	0.296	*U*
Benzo(a)anthracene	1	1	0.0726	*U*	**2.77**	*D*	0.0742	*U*
Benzo(a)pyrene	1	1	0.0726	*U*	**1.95**	*D*	0.0742	*U*
Benzo(b)fluoranthene	1	1	0.0726	*U*	**1.86**	*D*	0.0742	*U*
Benzo(g,h,i)perylene	100	100	0.0726	*U*	0.799	*D*	0.0742	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0726	*U*	1.41	*D*	0.0742	*U*
Benzoic acid			0.0726	*U*	0.0784	*U*	0.0742	*U*
Benzyl alcohol	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Benzyl butyl phthalate	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Bis(2-ethylhexyl)phthalate	NA	50	0.0726	*U*	0.0784	*U*	0.0742	*U*
Caprolactam	NA	NA	0.145	*U*	0.156	*U*	0.148	*U*
Carbazole	NA	NA	0.0726	*U*	0.115	*JD*	0.0946	*JD*
Chrysene	1	3.9	0.0726	*U*	2.19	*D*	0.0742	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0726	*U*	0.283	*D*	0.0742	*U*
Dibenzofuran	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Diethyl phthalate	NA	100	0.0726	*U*	0.0784	*U*	0.0742	*U*
Dimethyl phthalate	NA	100	0.0726	*U*	0.0784	*U*	0.0742	*U*
Di-n-butyl phthalate	NA	100	0.0726	*U*	0.0784	*U*	0.0742	*U*
Di-n-octyl phthalate	NA	100	0.0726	*U*	0.0784	*U*	0.0742	*U*
Fluoranthene	100	100	0.0926	*JD*	5.44	*D*	0.124	*JD*
Fluorene	30	100	0.231	*D*	0.261	*D*	0.0742	*U*
Hexachlorobenzene	NA	0.41	0.0726	*U*	0.0784	*U*	0.0742	*U*
Hexachlorobutadiene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Hexachlorocyclopentadiene	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Hexachloroethane	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0726	*U*	**0.643**	*D*	0.0742	*U*
Isophorone	NA	100	0.0726	*U*	0.0784	*U*	0.0742	*U*
Naphthalene	12	100	0.0726	*U*	0.16	*D*	0.0742	*U*
Nitrobenzene	NA	15	0.0726	*U*	0.0784	*U*	0.0742	*U*
N-Nitrosodimethylamine	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
N-Nitrosodiphenylamine	NA	NA	0.0726	*U*	0.0784	*U*	0.0742	*U*
Pentachlorophenol	0.8	6.7	0.0726	*U*	0.0784	*U*	0.0742	*U*
Phenanthrene	100	100	0.0868	*JD*	1.5	*D*	0.472	*D*
Phenol	0.33	100	0.0726	*U*	0.0784	*U*	0.0742	*U*
Pyrene	100	100	0.0726	*U*	4.51	*D*	0.193	*D*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: Pesticides and PCBs in Soils

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-04**		**TP-08**		**TP-13**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1	
Pesticides, 8081	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.0028	*U*	0.0029	*U*	0.0029	*U*
4,4'-DDE	0.0033	8.9	0.0028	*U*	**20.1**	*D*	0.0029	*U*
4,4'-DDT	0.0033	7.9	0.0028	*U*	**44**	*D*	0.0029	*U*
Aldrin	0.005	0.097	0.0028	*U*	0.0029	*U*	0.0029	*U*
alpha-BHC	0.02	0.48	0.0028	*U*	0.0029	*U*	0.0029	*U*
alpha-Chlordane	0.094	4.2	0.0028	*U*	**64.7**	*D*	0.0029	*U*
beta-BHC	0.036	0.36	0.0028	*U*	0.0029	*U*	0.0029	*U*
delta-BHC	0.04	100	0.0028	*U*	0.0029	*U*	0.12	*U*
Chlordane, total	NA	NA	0.11	*U*	482	*D*	0.0029	*U*
Dieldrin	0.005	0.2	0.0028	*U*	0.0029	*U*	0.0029	*U*
Endosulfan I	2.4	200	0.0028	*U*	0.0029	*U*	0.0029	*U*
Endosulfan II	2.4	200	0.0028	*U*	0.0029	*U*	0.0029	*U*
Endosulfan sulfate	2.4	200	0.0028	*U*	0.0029	*U*	0.0029	*U*
Endrin	0.014	11	0.0028	*U*	0.0029	*U*	0.0029	*U*
Endrin aldehyde	NA	NA	0.0028	*U*	5.11	*D*	0.0029	*U*
Endrin ketone	NA	NA	0.0028	*U*	0.0029	*U*	0.0029	*U*
gamma-BHC (Lindane)	0.1	1.3	0.0028	*U*	0.0029	*U*	0.0029	*U*
gamma-Chlordane	NA	0.54	0.0028	*U*	**73.8**	*D*	0.0029	*U*
Heptachlor	0.042	2.1	0.0028	*U*	0.0029	*U*	0.0029	*U*
Heptachlor Epoxide	NA	0.077	0.0028	*U*	0.0029	*U*	0.0029	*U*
Methoxychlor	NA	100	0.014	*U*	0.015	*U*	0.015	*U*
Toxaphene	NA	NA	0.14	*U*	0.15	*U*	0.15	*U*

		Sample ID	**TP-04**		**TP-08**		**TP-13**	
		Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)	
		Dilution Factor	1		1		1	
PCBs, 8082	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*
Aroclor 1221	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*
Aroclor 1232	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*
Aroclor 1242	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*
Aroclor 1248	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*
Aroclor 1254	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*
Aroclor 1260	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*
Aroclor, Total	0.1	1.00	0.029	*U*	0.03	*U*	0.029	*U*

Detected Concentrations

Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: TAL Metals in Soils

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-02**		**TP-04**		**TP-08**		**TP-10**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-02)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	11,900		14,000		8,960		8,570	
Antimony	NA	NA	0.62	*U*	0.57	*U*	3.79		0.71	*U*
Arsenic	13	16	4.63		8.79		11		8.64	
Barium	350	400	89.6		207		**915**		250	
Beryllium	7.2	72	0.34		0.37		0.12	*U*	0.15	
Cadmium	2.5	4.3	0.37	*U*	0.58		1.71		0.42	*U*
Calcium	NA	NA	2,400		32,400		60,400		19,400	
Chromium	30	180	15.9		13		22.2		12.6	
Cobalt	NA	30	11.5		8.42		8.76		7.39	
Copper	50	270	28.3		51.8		68.5		50	
Iron	NA	2,000	**29,500**		**18,300**		**24,700**		**17,500**	
Lead	63	400	18.3		**635**		**5,450**		**3,200**	
Magnesium	NA	NA	5,180		7,070		5,600		3,220	
Manganese	1,600	2,000	1,010		558		464		326	
Mercury	0.18	0.81	0.079		**2.03**		0.79		**0.88**	
Nickel	30	310	22.8		16.9		23.1		18.8	
Potassium	NA	NA	1,860		1,340		993		813	
Selenium	3.90	180	3.07		2.12		2.75		1.59	
Silver	2	180	0.62	*U*	0.57	*U*	0.59	*U*	0.71	*U*
Sodium	NA	NA	176		266		234		303	
Thallium	NA	NA	1.24	*U*	1.14	*U*	1.18	*U*	1.41	*U*
Vanadium	NA	100	14.7		14.7		22.1		27.4	
Zinc	109	2,200	69.3		245		906		101	

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: TAL Metals in Soils

Ecosystems Strategies, Inc.

ESI File: KP15045

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-12**		**TP-13**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-02)		(2014-10-02)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	8,270		9,370	
Antimony	NA	NA	0.57	*U*	0.59	*U*
Arsenic	13	16	9.9		7.73	
Barium	350	400	233		293	
Beryllium	7.2	72	0.11	*U*	0.21	
Cadmium	2.5	4.3	0.72		0.44	
Calcium	NA	NA	26,900		23,400	
Chromium	30	180	14.7		16.1	
Cobalt	NA	30	8.52		8.75	
Copper	50	270	136		74.1	
Iron	NA	2,000	**24,800**		**21,000**	
Lead	63	400	**802**		**817**	
Magnesium	NA	NA	3,660		3,910	
Manganese	1,600	2,000	476		511	
Mercury	0.18	0.81	**1.48**		**3.08**	
Nickel	30	310	28.3		20.2	
Potassium	NA	NA	692		781	
Selenium	3.90	180	3.02		3.03	
Silver	2	180	0.57	*U*	0.59	*U*
Sodium	NA	NA	129		174	
Thallium	NA	NA	1.13	*U*	1.18	*U*
Vanadium	NA	100	16.3		16.2	
Zinc	109	2,200	501		316	

Detected Concentrations

Concentrations > Track 1 UUSCOs

Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

SUMMARY REPORT

OF

ENVIRONMENTAL INVESTIGATION

13-15 South Bridge Street

City of Poughkeepsie, Dutchess County, New York

NYSDEC Spill No. 1511940

March 21, 2016

ESI File: KP15045B.20

Prepared By:

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Ecosystems Strategies, Inc.

SUMMARY REPORT

OF

ENVIRONMENTAL INVESTIGATION

March 21, 2016

ESI File: KP15045B.20

Prepared By:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie, New York 12603

Prepared For:

The Kearney Realty & Development Group
34 Clayton Boulevard
Baldwin Place, New York 10505

The undersigned has reviewed this Summary Report of Environmental Investigation and certifies to Kearney Realty that the information provided in this document is accurate as of the date of issuance by this office.

The undersigned is a Qualified Environmental Professional as defined by 6NYCRR Part 375-1.2 (ak) and supporting documents. The undersigned possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding the presence of releases or threatened releases to the surface or subsurface of the site or off-site areas, sufficient to meet the objectives and performance factors for the areas of practice identified in NYSDEC guidance document DER-10.

Paul H. Ciminello	March 21, 2016	
Qualified Environmental Professional	Date	Signature

TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 Purpose

This Summary Report of Environmental Investigation (Report) documents environmental fieldwork performed by Ecosystems Strategies, Inc. (ESI) at the property located at 13-15 South Bridge Street, City of Poughkeepsie, Dutchess County, New York. Investigative and analytical work were performed to address potential environmental liabilities associated with historical environmental conditions and former use of the property as a taxi facility (see Section 1.4, below). The specific purpose of this Report is to summarize the work performed by ESI and ESI's subcontractors, and to suggest, if appropriate, further investigative and/or remedial options regarding identified on-site conditions.

This Report describes all fieldwork methodologies for the work conducted by this office, includes discussions of the resulting analytical data from collected samples and provides conclusions and recommendations drawn from the fieldwork and analytical data.

1.2 Limitations

This written analysis summarizes the site characterization activities conducted on a specified portion of the above-referenced property and is not relevant to other portions of this property or any other property. It is a representation of those portions of the property analyzed as of the respective dates of fieldwork. This Report cannot be held accountable for activities or events resulting in contamination after the dates of fieldwork.

Services summarized in this Report were performed in accordance with generally accepted practices and established New York State Department of Environmental Conservation (NYSDEC) protocols. Unless specifically noted, the findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on professional judgement.

1.3 Site Location and Description

The property is a vacant 0.46-acre parcel located on the eastern side of South Bridge Street, occupied by a one-story former automotive maintenance building with contiguous one-story and partial two-story office and storage structures (the northern and westernmost portions of the office and storage structures are dilapidated). Asphalt parking and grass-covered yard areas occupy the remaining portions of the property.

The specified portion of the property on which the environmental investigation was conducted (Site) consists of the interior portions of the garage building and exterior portions of the property that may have been potentially impacted by former on-site repair and maintenance activities. A Fieldwork Map indicating specific Site characteristics is provided in Appendix A.

During the course of the fieldwork documented in this Report, groundwater was noted to be present at depths of approximately 8 to 10 feet below surface grade (bsg) at each boring location (SB-01 through SB-06). Static groundwater depth measurements indicate that shallow groundwater flow at the Site is toward the southwest (see Section 2.2.4, below).

1.4 Known Environmental Conditions

A Phase I Environmental Site Assessment (Phase I ESA) performed on the northern adjoining property by ESI in June 2015 identified the following environmental conditions at the subject property:

- NYSDEC spill number 9106196 was reported in September 1991 as a result of a tank test failure. The spill was closed in July 1992 and state cleanup standards were reportedly met.
- NYSDEC spill number 0611093 was reported in January 2007 upon discovery of petroleum impacted soils during the extension of soil borings. Laboratory analysis of impacted soils indicated that the "contamination [was] minimal and [did] not require further investigation/remediation". The spill was closed approximately two weeks later and state cleanup standards were reportedly not met.
- The USEPA Resource Conservation and Recovery Information System (RCRIS) database lists the subject property as a no longer registered, non-generator of hazardous waste (Site ID: NYR000044123). The "Dutchess Express" property was listed as a conditionally exempt small quantity generator in 1997 for the removal of spent non-halogenated solvents. No violations are listed for the property and this activity was likely associated with the former use of this property for automotive repair (see below).
- ESI has knowledge that this property was used as a taxi facility and remedial activities were performed as a result of historical commercial activities. An inactive vapor extraction system (VES) is located at the central portion of the property (see Section 2.2.1, below). ESI observed piping from the VES system at the western exterior garage wall during fieldwork activities.

The NYSDEC petroleum bulk storage (PBS) database indicates that the subject property is a PBS facility, which is registered as follows:

- PBS Number: 3-185086 – provided for an in-service, 8,000-gallon gasoline underground storage tank (UST) installed in October 1977.
- PBS Number: 3-601912 – provided for an inactive, 275-gallon waste oil aboveground storage tank (AST) that was closed/removed in September 2006.

2.0 SUBSURFACE INVESTIGATION

2.1 Summary of Services

In order to achieve the purpose specified in Section 1.1, above, the following services were conducted by ESI at selected portions of the Site:

- Extended six soil borings throughout the exterior portions of the Site to a maximum depth of approximately 20 feet bsg;
- Completed three soil borings as temporary groundwater monitoring wells;
- Collected three sub-slab soil vapor samples at interior portions of the garage building; and,
- Documented the presence or absence of contamination through sampling and laboratory analysis of subsurface soil, groundwater, and soil vapor samples for volatile organic compounds (VOCs). Subsurface soil samples were also analyzed for polycyclic aromatic hydrocarbons (PAHs).

This Report is divided into individual sections that document fieldwork methodology (Section 2.2) and laboratory results (Section 2.3), and present ESI's conclusions and recommendations (Section 3.0).

2.2 Fieldwork Methodology

2.2.1 Site Preparation Services

A request for a complete utility markout of the subject property was submitted by ESI prior to the initiation of fieldwork, as required by New York State Department of Labor regulations. Confirmation of underground utility locations was secured and a field check of the utility markout was conducted prior to the extension of soil borings.

A ground penetrating radar (GPR) survey of the work area was performed by Underground Surveying, LLC on February 18, 2016, in order to determine the location of any other sub-surface utilities. A GPR anomaly (consistent with a backfilled area) was identified at the central portion of the property at the reported location of the former VES. Subsurface piping was identified between this area and aboveground VES piping near the western exterior portion of the garage. No definitive evidence of USTs was identified during the geophysical survey; however, an unidentifiable GPR anomaly was noted at the southern portion of the property.

2.2.2 Extension of Soil Borings

Six mechanized soil borings were extended throughout the exterior portions of the Site on February 18, 2016. Borings were located as follows:

- SB-01 and SB-03 – near the western exterior portion of the garage.
- SB-02 – at central portion of the property in the vicinity of the inactive VES.
- SB-04 – at the southern portion of the property in the vicinity of the unidentified GPR anomaly.
- SB-05 and SB-06 – at the western and northwestern portions of the property, respectively.

A Fieldwork Map indicating boring locations and associated selected site features is provided in Appendix A.

All soil borings were extended by personnel from Core Down Drilling using a track-mounted, Geoprobe direct-push corer equipped with disposable acetate sleeves (used to prevent the cross contamination of soil samples). Sampling was conducted at each boring location at four-foot intervals to a maximum depth of twenty feet below grade. The sampling instrument was decontaminated prior to the initiation of fieldwork and after the collection of each sample. Decontamination procedures were consistent with established NYSDEC protocols.

A MiniRAE Lite (Model PGM 7300) photo-ionization detector (PID) was utilized by ESI personnel to screen all encountered material for the presence of any volatile organic vapors where appropriate. Prior to the initiation of fieldwork, this PID was properly calibrated to read parts per million calibration gas equivalents (ppm-cge) of isobutylene in accordance with protocols set forth by the equipment manufacturer.

An assessment of subsurface soil characteristics, including soil type, the presence of foreign materials, field indications of contamination (e.g., unusual coloration patterns, or odors), and instrument indications of contamination (i.e., PID readings) was made by ESI personnel during the extension of each soil boring. ESI personnel maintained independent field logs documenting physical characteristics, PID readings, and any field indications of contamination for all encountered material at each boring location.

Samples of soil material were collected from each of the soil borings where appropriate (see Section 2.2.3 for specifics regarding sample collection methodology) and notations were made regarding the sampled material's physical characteristics. A sufficient volume of material was collected at each sample location for the required analyses and for potential additional analyses.

Subsurface soils encountered at the Site during the extension of the soil borings generally consisted of light brown, moist, fine sands with gravel overlying brown, moist to wet, firm clay. Groundwater was encountered during the extension of the soil borings at 8 to 10 feet bsg.

Mild to moderate petroleum odors, staining, and positive PID readings were observed during the extension of borings SB-01, SB-02 and SB-03. Peak PID readings of 18 ppm and 89 ppm were detected between 8 and 14 feet bsg at SB-03 and SB-01, respectively.

2.2.3 Monitoring Well Installation and Development

Soil borings SB-01, SB-02, and SB-03 were completed as temporary monitoring wells. Each well was constructed of one-inch PVC casing and 0.01-inch slotted PVC well screening (screen interval from 5 to 15 feet below grade). Each well was finished with a solid PVC "stick-up" riser and cap. The height of each well casing was surveyed to a vertical accuracy of 0.01 foot, relative to a fixed, on-site artificial benchmark elevation of 100', for use in determining relative groundwater elevations prior to sampling activities.

Monitoring wells were developed on February 26, 2016, in order to clear fine-grained material that might have settled around the well screen and to enhance the natural hydraulic connection between the well screen and the surrounding soils. Prior to development, each monitoring well casing was opened and the well column was immediately screened with a PID to document the presence of any volatile organic vapors. Water removed from each monitoring well was visually inspected for indications of contamination. Development was conducted using dedicated plastic tubing and a peristaltic pump, and was considered complete when purged water no longer appeared to be turbid. Slight petroleum odors and PID readings of 30.7 ppm and 136 ppm were

noted during well development at TMW-01 (SB-01) and TMW-02 (SB-02), respectively. No evidence of contamination (odors, sheens, or positive PID readings) was noted during well development at TMW-03 (SB-06).

2.2.4 Direction of Groundwater Flow

The direction of groundwater flow was determined based on elevations of static groundwater, measured prior to water quality sample collection using an electronic depth meter accurate to the nearest 0.01-foot. Groundwater depth ranged from 1.79' to 6.59' from the top of well casings (recorded at TMW-01 and TMW-03, respectively) and the direction of groundwater flow was determined to be in a southwesterly direction. A Groundwater Flow Map is provided in Appendix A.

2.2.5 Sample Collection

All soil samples collected by ESI were obtained in a manner consistent with NYSDEC sample collection and decontamination protocols. All field personnel wore dedicated, disposable gloves, and all samples were placed into laboratory supplied containers. Soil samples were collected directly from the acetate sleeves.

Sub-slab soil vapor samples were collected by extending borings through the floor slab and sub-slab aggregate material, into the underlying soils, using a concrete drill. An air-stone attached to ¼" Teflon tubing was placed at the invert of the boring and the hole was backfilled with clean sand. The top of the bore hole was sealed using a non-volatile caulk in order to prevent the infiltration of surface air. Each soil-gas boring was purged for at least a period of five minutes, using a GilAir 3 air-sampling pump, at a rate of approximately 0.2 liters/minute. Soil-gas samples were collected into laboratory supplied Summa Canisters equipped with one hour flow controllers.

Monitoring wells were sampled following well development. The volume of groundwater in each well was calculated (based on well depth and depth to water measurements) and at least one purge volume of water (three times the static well volume) was removed, using dedicated plastic tubing and a peristaltic pump, before groundwater samples were collected. Groundwater samples were collected into 40 ml vials, preserved with acid as appropriate for the VOC analysis.

All soil and water samples were placed in a cooler immediately after sample collection and were maintained at cold temperatures prior to transport to the laboratory February 22, 2016 and February 26, 2016, respectively. All samples were transported via courier to York Analytical Laboratories, Inc., (NYSDOH ELAP Certification Number 10854) for chemical analyses. Appropriate chain-of-custody procedures were followed.

2.3 Laboratory Analysis

2.3.1 Guidance Levels

The term "guidance level", as defined in this Report, refers to the concentration of a particular contaminant above which remedial actions are considered more likely. The overall objective of setting guidance levels is to assess the integrity of on-site soils and groundwater relative to conditions which are likely to present a threat to public health or the environment, given the existing and probable future uses of the Site. On-site soils and groundwater with contaminant levels exceeding these guidance levels are considered more likely to warrant remediation. No independent risk assessment was performed as part of this investigation.

The guidance levels identified in this Report for organic compounds detected in soils are based on NYSDEC Remedial Program Soil Cleanup Objectives (SCOs) for Unrestricted Use as

provided in 6 NYCRR Subpart 375, Table 375-6.8(a), and on Soil Cleanup Levels (for gasoline and fuel oil contaminated Soils) presented in NYSDEC CP-51 (Soil Cleanup Guidance, October 2010) Tables 2 through 3.

Guidance levels for all compounds detected in water are based on NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1, Ambient Water Quality Standards (AWQS) and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1).

No official guidance levels exist for VOCs in soil vapor. Relatively high concentrations of VOCs in soil vapor are noted in the report text and in data summary tables, as warranted, in order to facilitate a discussion of investigative findings.

All data presented in this Report have been analyzed in accordance with applicable guidance levels.

2.3.2 Sample Submission

Submission of samples for laboratory analysis was based on observations made by ESI personnel during the extension of the soil borings, including the presence or absence of elevated PID readings, unusual odors, discoloration, or, any other unusual patterns. A sufficient number of samples were submitted for analysis to provide a general screening of the property.

Soil samples SB-01 8-10, SB-02 6-8, SB-03 8-10, SB-04 6-8, SB-05 8-10, and SB-06 8-10 were submitted for analysis of VOCs using USEPA Method 8260 and PAHs using USEPA Method 8270. Groundwater samples TMW-01, TMW-02, and TMW-03 and soil vapor samples SV-01, SV-02, and SV-03 were analyzed for VOCs using USEPA Methods 8260 and TO-15, respectively.

2.3.3 Laboratory Results and Discussion

A summary of the results of the laboratory analyses conducted on soil, water, and soil vapor samples is presented below. Soil values are referenced in units of parts per million (ppm) and groundwater values are referenced as nominal parts per billion (PPB). Data summary tables and the laboratory reports are provided in Appendices B and C, respectively, and recommendations regarding these findings are located in Section 3.0. [Note: The discussion, below, indicates detected peak values.]

Soil

VOCs

No VOCs were detected above guidance levels in any soil samples submitted for analysis. Trace levels of solvents 2-butanone and acetone were detected in two samples and methylcyclohexane was detected in one sample. No other VOCs were detected in any soil samples.

VOC tentatively identified compounds (TICs) were detected in samples SB-01 8-10, SB-02 6-8, and SB-03 8-10 including methylated aliphatic and aromatic isomers of petroleum related compounds. A peak total concentration of TICs was reported at SB-03 (62.2 ppm). No other TICs were detected in any other soil samples.

PAHs

No PAHs were detected above guidance levels in any soil samples submitted for analysis. Trace levels of PAHs (commonly associated with soils located in urban areas) including fluoranthene, phenanthrene and pyrene were identified at SB-03 8-10. No other PAHs were detected in any soil samples.

Groundwater

VOCs were detected above guidance levels in one sample. Petroleum related compounds including 1,2,4-trimethylbenzene (7.7 ppb, AWQS 5 µg/L), ethylbenzene (16 ppb, AWQS 5 µg/L), n-propylbenzene (6.6 ppb, AWQS 5 µg/L), p- & m-xylenes (5.1 ppb, AWQS 5 µg/L), and total xylenes (6.4 ppb, AWQS 5 µg/L) were detected in TMW-01. Low levels of acetone were detected in all three samples; however, the compound was also detected in corresponding blank samples and is likely derived from laboratory cross-contamination. A trace level of methyl-tertiary butyl ether (MTBE) was detected in TMW-02. No other VOCs were detected in any groundwater samples.

Based on these findings and observations made during fieldwork observations (see Sections 2.2.2 and 2.2.3 above), ESI reported spill number 1511940 to the NYSDEC.

Soil Vapor

Relatively elevated levels of the chlorinated solvent tetrachloroethylene ([PCE] 210 µg/m^3 at SV-02) were detected in two samples; however, its breakdown products trichloroethylene (TCE), cis- and trans-1,2-dichloroethylene (DCE) and vinyl chloride, were not detected in any soil vapor samples.

Trace to low levels of other VOCs, including petroleum related compounds (total BTEX 53.8 µg/m^3 at SV-01), were detected in all five samples.

3.0 CONCLUSIONS AND RECOMMENDATIONS

This office has completed the services summarized in Section 2.0 on specified portions of the property, located at 13-15 South Bridge Street, City of Poughkeepsie, Dutchess County, New York. Services included collection of: soil from six (6) soil borings at exterior locations throughout the property; groundwater from three (3) temporary monitoring wells; and, sub-slab soil vapor from three (3) locations within the interior of the former automotive repair garage. These services were performed in order to document the presence or absence of subsurface contamination resulting from historical environmental conditions and former use of the property as a taxi facility. Sampling locations were selected to provide a profile of existing Site subsurface soil, groundwater, and soil vapor conditions.

Based on the services provided and data generated, the following conclusions and recommendations (**in bold**) have been made.

Field evidence of petroleum contamination was observed during the extension of borings SB-01, SB-02, and SB-03, located in the vicinity of the garage, and in groundwater at temporary monitoring wells TMW-01 and TMW-02 completed in this area. A low level of methylcyclohexane and a high peak concentration of total TICs related to gasoline compounds were detected in overtly impacted soil samples, and elevated concentrations of petroleum related VOCs were detected in groundwater at TMW-01. ESI reported NYSDEC spill number 1511940 based on these observations and laboratory results. This petroleum contamination is likely to be associated with a release that had previously been subject to remediation activities.

It is recommended that the spill event be investigated and remediated following a NYSDEC-approved work plan.

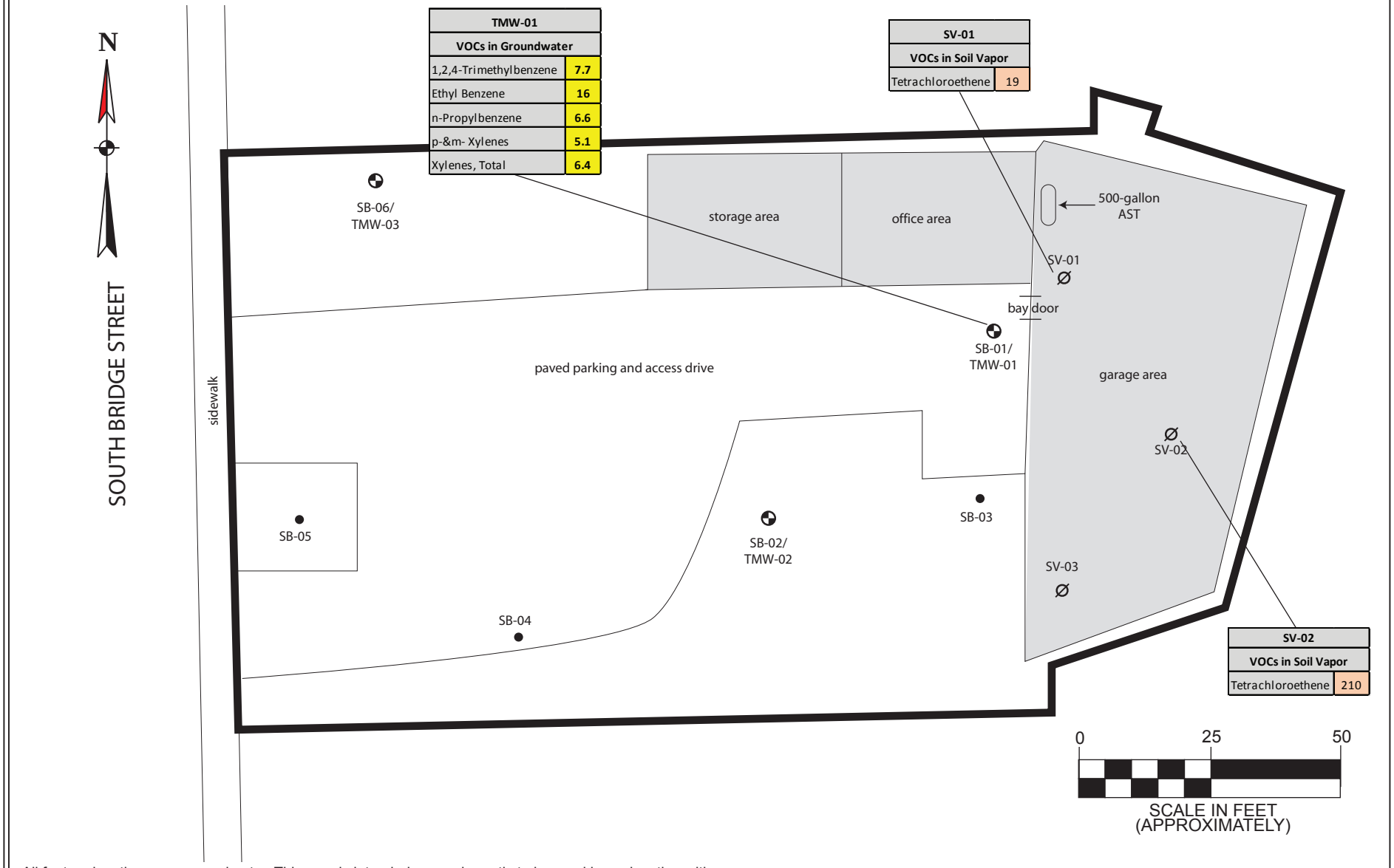
Relatively elevated levels of the chlorinated solvent PCE were detected in soil vapor samples collected at the northern and eastern interior portions of the garage; PCE, however, was not detected in soil or groundwater samples. These findings support the conclusion that an unknown source of PCE is present in soil and/or groundwater at the subject property.

It is recommended that an additional investigation be performed to document the source of PCE contamination.

APPENDIX A

Maps

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Fieldwork Map

15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

Legend:

- subject property border
- soil boring/temporary monitoring well location
- soil boring location
- soil vapor location
- concentrations above AWQS (results in ppm)
- relatively elevated concentrations (results in ug/m3)

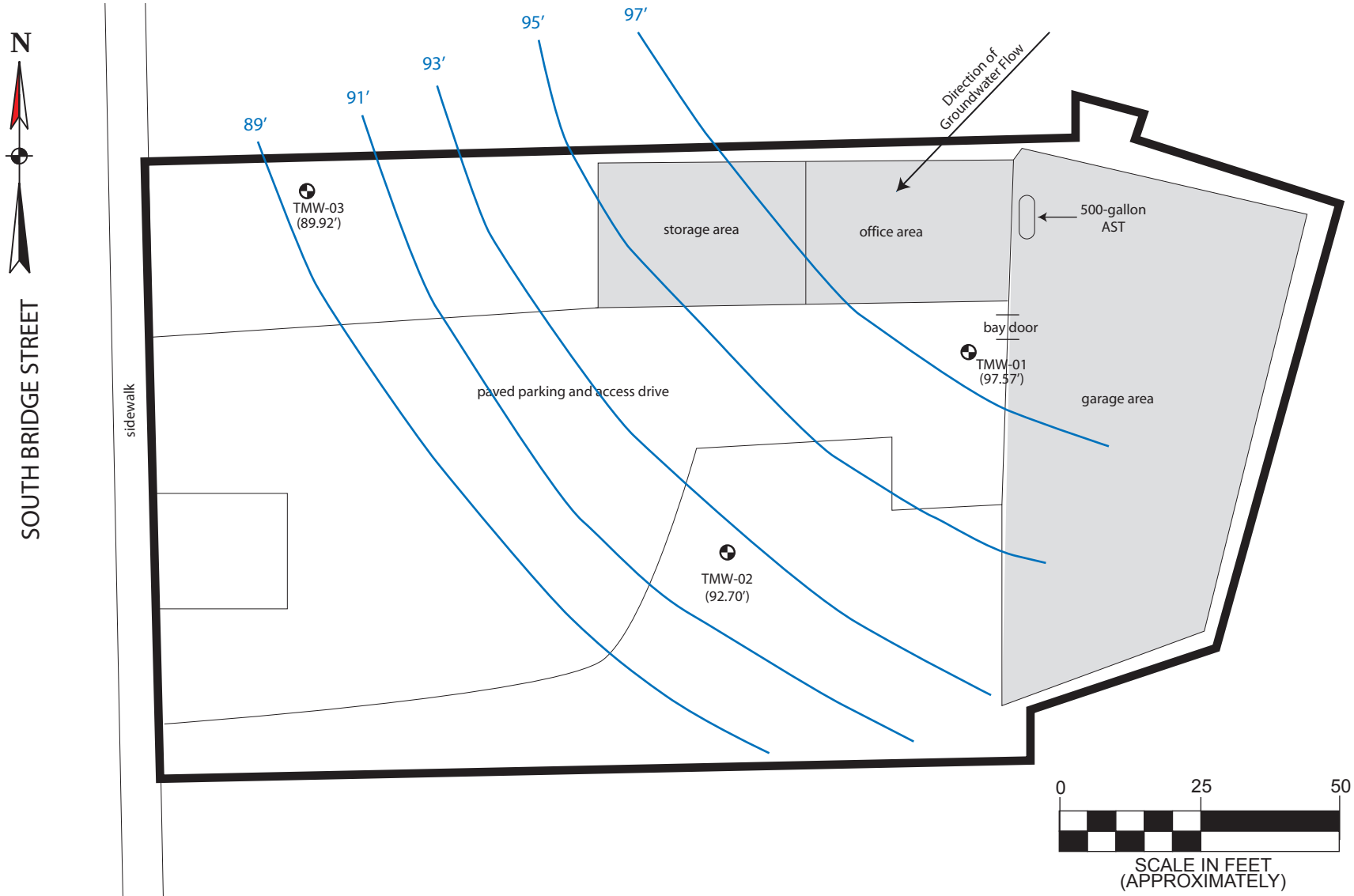
ESI File: KP15045B.20

February 2016

Scale as shown

Appendix A

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Groundwater Flow Map

15 South Bridge Street
City of Poughkeepsie
Dutchess County, New York

Legend:

- subject property border
- groundwater contour lines

ESI File: KP15045B.20
March 2016
Scale as shown
Appendix A

APPENDIX B

Data Summary Tables

Table 1: VOCs in Soils

NYSDEC Spill No. 1511940

Ecosystems Strategies, Inc.

ESI File: KP15045B

All data in mg/Kg (ppm)	**Sample ID**	**SB-01 8-10**		**SB-02 6-8**		**SB-03 8-10**		**SB-04 6-8**	
U= Not Detected ≥ indicated value	Sample Date	(2016-02-18)		(2016-02-18)		(2016-02-18)		(2016-02-18)	
Data above SCOs shown in **Bold**	Dilution Factor	1		1		100		1	
VOCs, 8260	**UUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,1,1-Trichloroethane	0.68	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,1,2,2-Tetrachloroethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,1,2-Trichloroethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,1-Dichloroethane	0.27	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,2,3-Trichlorobenzene	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,2,3-Trichloropropane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,2,4-Trichlorobenzene	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,2,4-Trimethylbenzene	3.6	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,2-Dibromo-3-chloropropane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,2-Dibromoethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,2-Dichlorobenzene	1.1	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,2-Dichloroethane	0.2	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,2-Dichloropropane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,3,5-Trimethylbenzene	8.4	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,3-Dichlorobenzene	2.4	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,4-Dichlorobenzene	1.8	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
1,4-Dioxane	0.1	0.056	*U*	0.052	*U*	4.3	*U*	0.043	*U*
2-Butanone (MEK)	0.12	0.0074		0.0037	*J*	0.21	*U*	0.0021	*U*
2-Hexanone	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
4-Methyl-2-pentanone	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Acetone	0.05	0.031		0.017		0.43	*U*	0.0043	*U*
Acrolein	NA	0.0056	*U*	0.0052	*U*	0.43	*U*	0.0043	*U*
Acrylonitrile	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Benzene	0.06	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Bromochloromethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Bromodichloromethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Bromoform	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Bromomethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Carbon disulfide	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Carbon tetrachloride	0.76	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Chlorobenzene	1.1	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Chloroethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Chloroform	0.37	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Chloromethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
cis-1,3-Dichloropropylene	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Cyclohexane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Dibromochloromethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Dibromomethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Dichlorodifluoromethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Ethyl Benzene	1	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Hexachlorobutadiene	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Isopropylbenzene	2.3	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Methyl acetate	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Methyl tert-butyl ether (MTBE)	0.93	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Methylcyclohexane	NA	0.0028	*U*	0.0039	*J*	0.21	*U*	0.0021	*U*
Methylene chloride	0.05	0.0056	*U*	0.0052	*U*	0.43	*U*	0.0043	*U*
n-Butylbenzene	12	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
n-Propylbenzene	3.9	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
o-Xylene	0.26	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
p- & m- Xylenes	0.26	0.0056	*U*	0.0052	*U*	0.43	*U*	0.0043	*U*
p-Isopropyltoluene	10	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
sec-Butylbenzene	11	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Styrene	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
tert-Butyl alcohol (TBA)	NA	0.0028	*U*	0.0052	*U*	0.43	*U*	0.0043	*U*
tert-Butylbenzene	5.9	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Tetrachloroethylene (PCE)	1.3	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Toluene	0.7	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
trans-1,3-Dichloropropylene	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Trichloroethylene (TCE)	0.47	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Trichlorofluoromethane	NA	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Vinyl chloride (VC)	0.02	0.0028	*U*	0.0026	*U*	0.21	*U*	0.0021	*U*
Xylenes, Total	0.26	0.0084	*U*	0.0079	*U*	0.64	*U*	0.0064	*U*

Detected Concentrations

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 1: VOCs in Soils
NYSDEC Spill No. 1511940

Ecosystems Strategies, Inc.

ESI File: KP15045B

All data in mg/Kg (ppm)	**Sample ID**	**SB-05 8-10**		**SB-06 8-10**	
U= Not Detected ≥ indicated value	Sample Date	(2016-02-18)		(2016-02-18)	
Data above SCOs shown in **Bold**	Dilution Factor	1		1	
VOCs, 8260	**UUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	0.0025	*U*	0.0023	*U*
1,1,1-Trichloroethane	0.68	0.0025	*U*	0.0023	*U*
1,1,2,2-Tetrachloroethane	NA	0.0025	*U*	0.0023	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	0.0025	*U*	0.0023	*U*
1,1,2-Trichloroethane	NA	0.0025	*U*	0.0023	*U*
1,1-Dichloroethane	0.27	0.0025	*U*	0.0023	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	0.0025	*U*	0.0023	*U*
1,2,3-Trichlorobenzene	NA	0.0025	*U*	0.0023	*U*
1,2,3-Trichloropropane	NA	0.0025	*U*	0.0023	*U*
1,2,4-Trichlorobenzene	NA	0.0025	*U*	0.0023	*U*
1,2,4-Trimethylbenzene	3.6	0.0025	*U*	0.0023	*U*
1,2-Dibromo-3-chloropropane	NA	0.0025	*U*	0.0023	*U*
1,2-Dibromoethane	NA	0.0025	*U*	0.0023	*U*
1,2-Dichlorobenzene	1.1	0.0025	*U*	0.0023	*U*
1,2-Dichloroethane	0.2	0.0025	*U*	0.0023	*U*
1,2-Dichloropropane	NA	0.0025	*U*	0.0023	*U*
1,3,5-Trimethylbenzene	8.4	0.0025	*U*	0.0023	*U*
1,3-Dichlorobenzene	2.4	0.0025	*U*	0.0023	*U*
1,4-Dichlorobenzene	1.8	0.0025	*U*	0.0023	*U*
1,4-Dioxane	0.1	0.05	*U*	0.047	*U*
2-Butanone (MEK)	0.12	0.0025	*U*	0.0023	*U*
2-Hexanone	NA	0.0025	*U*	0.0023	*U*
4-Methyl-2-pentanone	NA	0.0025	*U*	0.0023	*U*
Acetone	0.05	0.0068	*J*	0.0047	*U*
Acrolein	NA	0.005	*U*	0.0047	*U*
Acrylonitrile	NA	0.0025	*U*	0.0023	*U*
Benzene	0.06	0.0025	*U*	0.0023	*U*
Bromochloromethane	NA	0.0025	*U*	0.0023	*U*
Bromodichloromethane	NA	0.0025	*U*	0.0023	*U*
Bromoform	NA	0.0025	*U*	0.0023	*U*
Bromomethane	NA	0.0025	*U*	0.0023	*U*
Carbon disulfide	NA	0.0025	*U*	0.0023	*U*
Carbon tetrachloride	0.76	0.0025	*U*	0.0023	*U*
Chlorobenzene	1.1	0.0025	*U*	0.0023	*U*
Chloroethane	NA	0.0025	*U*	0.0023	*U*
Chloroform	0.37	0.0025	*U*	0.0023	*U*
Chloromethane	NA	0.0025	*U*	0.0023	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	0.0025	*U*	0.0023	*U*
cis-1,3-Dichloropropylene	NA	0.0025	*U*	0.0023	*U*
Cyclohexane	NA	0.0025	*U*	0.0023	*U*
Dibromochloromethane	NA	0.0025	*U*	0.0023	*U*
Dibromomethane	NA	0.0025	*U*	0.0023	*U*
Dichlorodifluoromethane	NA	0.0025	*U*	0.0023	*U*
Ethyl Benzene	1	0.0025	*U*	0.0023	*U*
Hexachlorobutadiene	NA	0.0025	*U*	0.0023	*U*
Isopropylbenzene	2.3	0.0025	*U*	0.0023	*U*
Methyl acetate	NA	0.0025	*U*	0.0023	*U*
Methyl tert-butyl ether (MTBE)	0.93	0.0025	*U*	0.0023	*U*
Methylcyclohexane	NA	0.0025	*U*	0.0023	*U*
Methylene chloride	0.05	0.005	*U*	0.0047	*U*
n-Butylbenzene	12	0.0025	*U*	0.0023	*U*
n-Propylbenzene	3.9	0.0025	*U*	0.0023	*U*
o-Xylene	0.26	0.0025	*U*	0.0023	*U*
p- & m- Xylenes	0.26	0.005	*U*	0.0047	*U*
p-Isopropyltoluene	10	0.0025	*U*	0.0023	*U*
sec-Butylbenzene	11	0.0025	*U*	0.0023	*U*
Styrene	NA	0.0025	*U*	0.0023	*U*
tert-Butyl alcohol (TBA)	NA	0.005	*U*	0.0047	*U*
tert-Butylbenzene	5.9	0.0025	*U*	0.0023	*U*
Tetrachloroethylene (PCE)	1.3	0.0025	*U*	0.0023	*U*
Toluene	0.7	0.0025	*U*	0.0023	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	0.0025	*U*	0.0023	*U*
trans-1,3-Dichloropropylene	NA	0.0025	*U*	0.0023	*U*
Trichloroethylene (TCE)	0.47	0.0025	*U*	0.0023	*U*
Trichlorofluoromethane	NA	0.0025	*U*	0.0023	*U*
Vinyl chloride (VC)	0.02	0.0025	*U*	0.0023	*U*
Xylenes, Total	0.26	0.0075	*U*	0.007	*U*

Detected Concentrations

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 2: PAHs in Soils
NYSDEC Spill No. 1511940

Ecosystems Strategies, Inc.

ESI File: KP15045B

All data in mg/Kg (ppm)	**Sample ID**	**SB-01 8-10**		**SB-02 6-8**		**SB-03 8-10**		**SB-04 6-8**		**SB-05 8-10**		**SB-06 8-10**	
U= Not Detected ≥ indicated value	Sample Date	(2016-02-18)		(2016-02-18)		(2016-02-18)		(2016-02-18)		(2016-02-18)		(2016-02-18)	
Data above SCOs shown in **Bold**	Dilution Factor	2		2		2		2		2		2	
SVOCs, 8270	**UUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
2-Methylnaphthalene	NA	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Acenaphthene	20	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Acenaphthylene	100	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Anthracene	100	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Benzo(a)anthracene	1	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Benzo(a)pyrene	1	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Benzo(b)fluoranthene	1	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Benzo(g,h,i)perylene	100	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Benzo(k)fluoranthene	0.8	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Chrysene	1	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Dibenzo(a,h)anthracene	0.33	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Fluoranthene	100	0.0558	*U*	0.0536	*U*	0.0767	*JD*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Fluorene	30	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Naphthalene	12	0.0558	*U*	0.0536	*U*	0.0476	*U*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Phenanthrene	100	0.0558	*U*	0.0536	*U*	0.0592	*JD*	0.0473	*U*	0.0536	*U*	0.0524	*U*
Pyrene	100	0.0558	*U*	0.0536	*U*	0.0653	*JD*	0.0473	*U*	0.0536	*U*	0.0524	*U*

Detected Concentrations

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 3: VOC and SVOC TICs in Soils
NYSDEC Spill No. 1511940
All data in mg/Kg (ppm)

Ecosystems Strategies, Inc.

ESI File: KP15045B

Sample ID	SB-01 8-10		SB-02 6-8		SB-03 8-10		SB-04 6-8		SB-05 8-10		SB-06 8-10	
Sample Date	(2016-02-18)		(2016-02-18)		(2016-02-18)		(2016-02-18)		(2016-02-18)		(2016-02-18)	
Dilution Factor	1		1		1		1		1		1	
VOC TICs, 8260	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4,5-Tetramethylbenzene	NT		NT		5.4	JDN	NT		NT		NT	
alkyl benzene isomers	0.045	JN	0.22	JN	NT		NT		NT		NT	
alkyl cyclohexane isomers	0.1	JN	NT		NT		NT		NT		NT	
dimethyl Cyclohexane isomer	NT		NT		2.5	JDN	NT		NT		NT	
dimethyl Decane isomer	NT		0.088	JN	NT		NT		NT		NT	
dimethyl Heptane isomer	NT		0.086	JN	NT		NT		NT		NT	
dimethyl hexane isomers	0.11	JN	NT		13	JDN	NT		NT		NT	
dimethyl octane isomer	0.043	JN	NT		NT		NT		NT		NT	
Heptadecane isomer	0.045	JN	NT		NT		NT		NT		NT	
methyl Dodecane isomer	NT		0.091	JN	NT		NT		NT		NT	
methyl Heptane isomers	NT		NT		5.4	JDN	NT		NT		NT	
methyl hexane isomers	NT		0.43	JN	NT		NT		NT		NT	
methyl Nonane isomers	NT		NT		5.1	JDN	NT		NT		NT	
methyl octane isomers	NT		NT		6.4	JDN	NT		NT		NT	
methyl pentane isomers	NT		NT		16	JDN	NT		NT		NT	
methylheptane isomers	0.17	JN	NT		NT		NT		NT		NT	
norbornene isomer	0.054	JN	0.14	JN	NT		NT		NT		NT	
octahydro indene isomer	NT		0.083	JN	NT		NT		NT		NT	
p-Diethylbenzene	NT		NT		2.2	JDN	NT		NT		NT	
Trimethyl cyclohexane isomer	NT		0.1	JN	NT		NT		NT		NT	
trimethyl hexane isomers	0.11	JN	NT		5.8	JDN	NT		NT		NT	
Trimethyl pentane isomers	0.22	JN	0.41	JN	NT		NT		NT		NT	
undecane isomers	NT		0.25	JN	NT		NT		NT		NT	
Tentatively Identified Compounds	NT		NT		NT		0	U	0	U	0	*U*
Total VOC TICS	0.897		1.898		62.2		NT		NT		NT	

Result Qualifiers: JN = estimated value NT = Analyte was not a target for this sample

Table 4: VOCs in Groundwater

NYSDEC Spill No. 1511940

Ecosystems Strategies, Inc.

ESI File: KP15045B

All data in µg/L (parts per billion, ppb)	**Sample ID**	**TMW-01**		**TMW-02**		**TWW-03**	
U= Not Detected at or above indicated value	Sample Date	(2016-02-26)		(2016-02-26)		(2016-02-26)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,1-Trichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2,2-Tetrachloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1,2-Trichloroethane	1	0.2	*U*	0.2	*U*	0.2	*U*
1,1-Dichloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,1-Dichloroethylene (1,1-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-Trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,3-Trichloropropane	0.04	0.2	*U*	**0.2**	*U*	**0.2**	*U*
1,2,4-Trichlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2,4-Trimethylbenzene	5	**7.7**		0.2	*U*	0.2	*U*
1,2-Dibromo-3-chloropropane	0.04	0.2	*U*	**0.2**	*U*	**0.2**	*U*
1,2-Dibromoethane	5	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichloroethane	0.6	0.2	*U*	0.2	*U*	0.2	*U*
1,2-Dichloropropane	1	0.2	*U*	0.2	*U*	0.2	*U*
1,3,5-Trimethylbenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
1,3-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,4-Dichlorobenzene	3	0.2	*U*	0.2	*U*	0.2	*U*
1,4-Dioxane	NA	40	*U*	40	*U*	40	*U*
2-Butanone (MEK)	50	0.2	*U*	0.2	*U*	0.2	*U*
2-Hexanone	50	0.2	*U*	0.2	*U*	0.2	*U*
4-Methyl-2-pentanone	NA	0.2	*U*	0.2	*U*	0.2	*U*
Acetone	50	1.6	*JB*	2.5	*B*	1.6	*JB*
Acrolein	5	0.2	*U*	0.2	*U*	0.2	*U*
Acrylonitrile	5	0.2	*U*	0.2	*U*	0.2	*U*
Benzene	1	0.2	*U*	0.2	*U*	0.2	*U*
Bromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Bromodichloromethane	50	0.2	*U*	0.2	*U*	0.2	*U*
Bromoform	50	0.2	*U*	0.2	*U*	0.2	*U*
Bromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Carbon disulfide	NA	0.2	*U*	0.2	*U*	0.2	*U*
Carbon tetrachloride	5	0.2	*U*	0.2	*U*	0.2	*U*
Chlorobenzene	5	0.2	*U*	0.2	*U*	0.2	*U*
Chloroethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Chloroform	7	0.2	*U*	0.2	*U*	0.2	*U*
Chloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,2-Dichloroethylene (cis-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
cis-1,3-Dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*
Cyclohexane	NA	0.2	*U*	0.2	*U*	0.2	*U*
Dibromochloromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Dibromomethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Dichlorodifluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Ethyl Benzene	5	**16**		0.2	*U*	0.2	*U*
Hexachlorobutadiene	0.5	0.2	*U*	0.2	*U*	0.2	*U*
Isopropylbenzene	5	2.1		0.2	*U*	0.2	*U*
Methyl acetate	NA	0.2	*U*	0.2	*U*	0.2	*U*
Methyl tert-butyl ether (MTBE)	10	0.2	*U*	0.3	*J*	0.2	*U*
Methylcyclohexane	NA	1.1		0.2	*U*	0.2	*U*
Methylene chloride	5	1	*U*	1	*U*	1	*U*
n-Butylbenzene	5	4.5		0.2	*U*	0.2	*U*
n-Propylbenzene	5	**6.6**		0.2	*U*	0.2	*U*
o-Xylene	5	1.3		0.2	*U*	0.2	*U*
p- & m- Xylenes	5	**5.1**		0.5	*U*	0.5	*U*
p-Isopropyltoluene	5	0.2	*U*	0.2	*U*	0.2	*U*
sec-Butylbenzene	5	1.9		0.2	*U*	0.2	*U*
Styrene	5	0.2	*U*	0.2	*U*	0.2	*U*
tert-Butyl alcohol (TBA)	NA	0.5	*U*	0.5	*U*	0.5	*U*
tert-Butylbenzene	5	0.43	*J*	0.2	*U*	0.2	*U*
Tetrachloroethylene (PCE)	5	0.23	*J*	0.2	*U*	0.2	*U*
Toluene	5	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,2-Dichloroethylene (trans-DCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
trans-1,3-Dichloropropylene	0.4	0.2	*U*	0.2	*U*	0.2	*U*
Trichloroethylene (TCE)	5	0.2	*U*	0.2	*U*	0.2	*U*
Trichlorofluoromethane	5	0.2	*U*	0.2	*U*	0.2	*U*
Vinyl chloride (VC)	2	0.2	*U*	0.2	*U*	0.2	*U*
Xylenes, Total	5	**6.4**		0.6	*U*	0.6	*U*

Detected concentrations

Concentrations above AWQS

Notes: AWQS based on NYSDEC TOGS 1.1.1 (Class GA) NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5: VOCs in Soil Vapor
NYSDEC Spill No. 1511940

Ecosystems Strategies, Inc.

ESI File: KP15045B

All data in µg/m³	**Sample ID**	**SV-01**		**SV-02**		**SV-03**	
U= Not Detected ≥ indicated value	Sample Date	(2016-02-18)		(2016-02-18)		(2016-02-18)	
	Dilution Factor	1.697		1.691		1.714	
VOCs, TO-15		*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane		1.2	*U*	1.2	*U*	1.2	*U*
1,1,1-Trichloroethane		0.93	*U*	6.8	*D*	0.94	*U*
1,1,2,2-Tetrachloroethane		1.2	*U*	1.2	*U*	1.2	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane		1.3	*U*	1.3	*U*	1.3	*U*
1,1,2-Trichloroethane		0.93	*U*	0.92	*U*	0.94	*U*
1,1-Dichloroethane		0.69	*U*	0.68	*U*	0.69	*U*
1,1-Dichloroethene		0.67	*U*	0.67	*U*	0.68	*U*
1,2,4-Trichlorobenzene		1.3	*U*	1.3	*U*	1.3	*U*
1,2,4-Trimethylbenzene		4.8	*D*	1.3	*D*	1.1	*D*
1,2-Dibromoethane		1.3	*U*	1.3	*U*	1.3	*U*
1,2-Dichlorobenzene		1	*U*	1	*U*	1	*U*
1,2-Dichloroethane		0.69	*U*	0.68	*U*	0.69	*U*
1,2-Dichloropropane		0.78	*U*	0.78	*U*	0.79	*U*
1,2-Dichlorotetrafluoroethane		1.2	*U*	1.2	*U*	1.2	*U*
1,3,5-Trimethylbenzene		2.5	*D*	0.83	*U*	0.84	*U*
1,3-Butadiene		2.2	*U*	2.2	*U*	2.2	*U*
1,3-Dichlorobenzene		1	*U*	1	*U*	1	*U*
1,3-Dichloropropane		0.78	*U*	0.78	*U*	0.79	*U*
1,4-Dichlorobenzene		1	*U*	1	*U*	1	*U*
1,4-Dioxane		1.2	*U*	1.2	*U*	1.2	*U*
2-Butanone		1.9	*D*	2.1	*D*	3	*D*
2-Hexanone		1.4	*U*	1.4	*U*	1.4	*U*
3-Chloropropene		2.7	*U*	2.6	*U*	2.7	*U*
4-Methyl-2-pentanone		0.7	*U*	0.69	*U*	0.7	*U*
Acetone		100	*D*	13	*D*	27	*D*
Acrylonitrile		0.37	*U*	0.37	*U*	0.37	*U*
Benzene		2.4	*D*	1.7	*D*	2.5	*D*
Benzyl chloride		0.88	*U*	0.88	*U*	0.89	*U*
Bromodichloromethane		1.1	*U*	1	*U*	1.1	*U*
Bromoform		1.8	*U*	1.7	*U*	1.8	*U*
Bromomethane		0.66	*U*	0.66	*U*	0.67	*U*
Carbon disulfide		2.4	*D*	0.53	*U*	0.53	*U*
Carbon tetrachloride		0.27	*U*	0.27	*U*	0.27	*U*
Chlorobenzene		0.78	*U*	0.78	*U*	0.79	*U*
Chloroethane		0.45	*U*	0.45	*U*	0.45	*U*
Chloroform		0.83	*U*	0.83	*U*	0.84	*U*
Chloromethane		0.35	*U*	0.35	*U*	0.35	*U*
cis-1,2-Dichloroethene		0.67	*U*	0.67	*U*	0.68	*U*
cis-1,3-Dichloropropene		0.77	*U*	0.77	*U*	0.78	*U*
Cyclohexane		0.58	*U*	0.58	*U*	0.59	*U*
Dibromochloromethane		1.4	*U*	1.4	*U*	1.4	*U*
Dichlorodifluoromethane		1.8	*D*	2.2	*D*	2	*D*
Ethyl Acetate		1.2	*U*	1.2	*U*	1.2	*U*
Ethylbenzene		4.4	*D*	1.9	*D*	3.3	*D*
Hexachlorobutadiene		1.8	*U*	1.8	*U*	1.8	*U*
Isopropanol		0.83	*U*	0.83	*U*	0.84	*U*
Methyl Methacrylate		0.69	*U*	0.69	*U*	0.7	*U*
Methyl tert butyl ether		2.9	*D*	0.67	*D*	0.62	*U*
Methylene chloride		3.6	*D*	7.7	*D*	1.2	*U*
n-Heptane		2.2	*D*	2.4	*D*	3.2	*D*
n-Hexane		2.9	*D*	3.8	*D*	3.9	*D*
o-Xylene		8	*D*	2.8	*D*	4.4	*D*
p/m-Xylene		17	*D*	7	*D*	13	*D*
p-Ethyltoluene		5.2	*D*	1.3	*D*	1.7	*D*
Propylene		0.29	*U*	1.7	*D*	0.29	*U*
Styrene		0.72	*U*	0.72	*U*	0.73	*U*
Tetrachloroethene		19	*D*	210	*D*	0.29	*U*
Tetrahydrofuran		1	*U*	1	*U*	1	*U*
Toluene		22	*D*	14	*D*	26	*D*
trans-1,2-Dichloroethene		0.67	*U*	0.67	*U*	0.68	*U*
trans-1,3-Dichloropropene		0.77	*U*	0.77	*U*	0.78	*U*
Trichloroethene		0.23	*U*	0.23	*U*	0.23	*U*
Trichlorofluoromethane		1	*D*	1	*D*	1.3	*D*
Vinyl acetate		0.6	*U*	0.6	*U*	0.6	*U*
Vinyl bromide		0.74	*U*	0.74	*U*	0.75	*U*
Vinyl chloride		0.43	*U*	0.43	*U*	0.44	*U*

Detected concentrations
Relatively elevated concentrations

Notes: NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank

APPENDIX E

Data Usability Summary Reports

(to be provided)

APPENDIX F

Laboratory Reports

(to be provided)