

Hazardous Materials Remedial Closure Report

For
The Bedford
3160-3166 Webster Avenue
Block 3357, Lots 33, 35, and 36
Bronx, New York
NYCOER Project Number 13EHAN519X

E-Designation E-249
CEQR Number 10DCP035X

Prepared for:
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REMEDIAL CLOSURE REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
Brinkerhoff	Brinkerhoff Environmental Services, Inc.
CAMP	Community Air Monitoring Plan
CEQR	City Environmental Quality Review
CHASP	Construction Health and Safety Plan
EPDSO	Environmental Project Data Statement Company, Inc.
ESA	Environmental Site Assessment
EC/IC	Engineering Control and Institutional Control
ELAP	Environmental Laboratory Accreditation Program
GTA	GTA Engineering Services of New York, P.C.
mg/m ³	Milligrams per cubic meter
NOS	Notice of Satisfaction
NYC	New York City
NYC DCP	New York City Department of City Planning
NYCDOB	New York City Department of Buildings
NYCRR	New York Codes Rules and Regulations
NYCOER	New York City Office of Environmental Remediation
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCBs	Polychlorinated Biphenyls
PE	Professional Engineer
PID	Photo Ionization Detector
QEP	Qualified Environmental Professional
RAP	Remedial Action Plan
RCR	Remedial Closure Report
RI	Remedial Investigation
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMMP	Site Management and Monitoring Plan
SVOCs	Semi-Volatile Organic Compounds

USCS	Unified Soil Classification System
TAL	Target Analyte List
TCL	Target Compound List
VOCs	Volatile Organic Compounds

CERTIFICATION

I, Gene Santana, certify the following:

- I am currently a registered professional engineer licensed by the State of New York.
- I performed professional engineering services and had primary direct responsibility for implementation of the remedial program for The Bedford (3160-3166 Webster Avenue, Bronx, New York) Site, Site Number 13EHAN519X.
- I have reviewed this document, to which my signature and seal are affixed.
- The Composite Cover System and Vapor Barrier System constructed during this remedial action were designed by Ira N. Pierce, P.E. and achieve the goals established in the Remedial Action Plan for this site.
- The Composite Cover System and Vapor Barrier System constructed during this remedial action were professionally observed by me or by a person under my direct supervision and are accurately reflected in the text and drawings for as-built design reported in this Remedial Closure Report.
- The NYCOER-approved Remedial Action Plan dated December 2013 was implemented and all requirements in this document have been substantively complied with. I certify that contaminated soil, fill, liquid or other material from the property was taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

Name **GENE SANTANA, P.E.**

PE License Number **NY LIC. NO. 094749-1**

Signature **Gene Santana**

Date **6-13-2017.**



EXECUTIVE SUMMARY

Azimuth Development Group, LLC performed this remedial action to remediate an 11,802 square foot Site located at 3160-3166 Webster Avenue in Bronx, New York. A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop a Remedial Action Plan (RAP). The remedial action described in this document fulfills the remedial objectives defined in the RAP, complies with applicable environmental standards, criteria and guidance (SCG) and conforms with applicable laws and regulations.

Site Location and Prior Usage

The Site is located in the Bedford Park section of Bronx, New York, and is identified as Block 3357, Lots 33, 35 and 36, on the New York City Tax Map. The Site consists of 11,802 square feet and is bounded by a charter school and commercial structure to the north, a church and commercial structures to the south, railroad tracks and wooded land to the east, and Webster Avenue and a public school to the west. Prior to redevelopment, a vacant house was present on Lot 36, a vacant single-floor commercial store was present on Lot 35, and a vacant parking garage was present on Lot 33.

Summary of Redevelopment Plan

The Site now consists of a 10-story mixed residential and commercial use structure with a partial below-grade cellar. The building contains 60 residential units, ranging from studios to three (3) bedrooms. The building occupies a base footprint of approximately 11,802 square feet. A tenant bulk storage room, a bike storage room, an office, a community room, a computer lab, a mechanical boiler room, a compactor and recyclables room, a fire pump room, a water meter room, a gas meter room, an electrical meter room, and a telecommunications rooms are present in the cellar. Commercial retail space, a residential building lobby, and bathrooms are present on the first floor. An outdoor recreational area, residential apartments ranging from one (1) to three (3) bedrooms, and a laundry room are present on the second floor. Residential apartments ranging from studios to three (3) bedrooms are present on the second through tenth floors.

Outdoor access spaces are present on the tenth floor. A bulkhead is present on the tenth floor roof.

Site Description, Physical Setting and Site History

The Site is located at 3160-3166 Webster Avenue in the Bedford Park section in Bronx, New York, and is identified as Block 3357, Lots 33, 35 and 36, on the New York City Tax Map. The Site consists of 11,802 square feet and is bounded by a charter school and commercial structure to the north, a church and commercial structures to the south, railroad tracks and wooded land to the east, and Webster Avenue and a public school to the west. Historically, the Site consisted of a vacant house on Lot 36, a vacant single-floor commercial store on Lot 35, and a vacant parking garage Lot 33.

Summary of Past Uses of Site and Environmental Findings

A Phase I Environmental Site Assessment (ESA), prepared by Brinkerhoff Environmental Services, Inc. (Brinkerhoff) and dated November 19, 2013, was performed for the Site. At the time of report preparation, the following recognized environmental conditions (RECs) were identified for the Site:

1. According to historical documentation, a 550-gallon gasoline tank was buried at 3160 Webster Avenue (Block 3357, Lot 33) prior to 1945. The potential existed that the underground storage tank (UST) could still be present.
2. According to a geophysical survey conducted in September 2010 by EPDSCO, one or more out-of-service tanks exist at 3160 Webster Avenue (Block 3357, Lot 33). There is no documentation showing they have been closed or removed in accordance with New York State Department of Environmental Conservation (NYSDEC) and New York City Fire Department (NYCFD) regulations.
3. According to a review of historical documentation, historic manufacturing operations on 3160 Webster Avenue (Block 3357, Lot 33) included automotive repair garage and metal shop. Operations such as these typically use hazardous materials such as degreasers and petroleum-based lubricants in daily operation. Based on the suspected former use and current use of hazardous materials on Site, there is the potential for impact to the subject

property

4. 3160 Webster Avenue (Block 3357, Lot 33) contains an E-Designation for Hazardous Materials, Air and Noise. As part of the “E”-Designation Process, a RIR and a RAP are required in order for Building permits to be issued. After the completion of Site development, a Remedial Closure Report (RCR) is required documenting the implementation of the RAP. Brinkerhoff is working with Bedford Webster LLC to complete the required sampling, analysis, and reports.

A RIR was prepared by Brinkerhoff, dated November 2013, and the following work was performed at the Site during the RI:

1. Conducted a Site inspection to identify Areas of Concern (AOCs) and physical obstructions (i.e., structures, buildings, etc.);
2. Installed eight (8) soil borings across the entire project Site and collected 16 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed one (1) groundwater monitoring well and two (2) temporary well points throughout the Site and collected three (3) groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed five (5) soil vapor probes around the Site perimeter and collected five (5) samples for chemical analysis.

The following are findings from the RI:

1. Surface elevation of the property is approximately 100 feet above mean sea level;
2. Depth to groundwater ranges from 15 to 28 feet below grade surface (bgs) at the Site;
3. Groundwater flow is anticipated to be towards the east to east-southeast;
4. Depth to bedrock varies from approximately 9 feet bgs along the western side of the property to at least 21 feet bgs along the eastern side of the parcel. The Site topography slopes drastically to the east;

5. The stratigraphy beneath the Site consists of urban historic fill from grade to five (5) feet bgs overlying alluvium deposits consisting of brown and yellow coarse, medium to fine sand with some gravel and little silt. These sediments rest on gneiss bedrock which is found between 9 and 21 feet bgs;
6. Soil/fill samples collected during the RI showed no volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, or polychlorinated biphenyls (PCBs) above the Unrestricted Use or Restricted- Residential Use Soil Cleanup Objectives (SCOs). Seven (7) metals were detected above Unrestricted Use SCOs and, of these, barium (maximum of 467 milligrams per kilogram [mg/kg]) and lead (maximum of 511 mg/kg) were reported above Restricted-Residential Use SCOs;
7. Groundwater samples collected during the RI showed no SVOCs, PCBs or pesticides above the NYSDEC 6 New York Codes, Rules and Regulations (NYCRR) Part 703.5 Groundwater Quality Standards (GQS). Chloroform was detected at 8.46 micrograms per liter (ug/L) above GQS in GW-2. The unfiltered metals aluminum (1,400 ug/L in GW-2), iron (maximum of 1,500 ug/L), manganese (1,070 ug/L in GW-2) and sodium (maximum of 283,000 ug/L) were detected above GQS. When filtered, manganese (884 ug/L in GW-2) and sodium (maximum of 264,000 ug/L) were detected above the GQS; and
8. Soil vapor samples collected during the RI indicated concentrations of petroleum-related compounds. Trichloroethene (TCE) was not detected in soil vapor samples. Various compounds were detected with low concentrations, including benzene (maximum 4.4 micrograms per cubic meter [ug/m³]), tetrachloroethene (PCE) (maximum 3.5 ug/m³), ethylbenzene (maximum 3.0 ug/m³), toluene (maximum 28 ug/m³), and xylenes (maximum 17.7 ug/m³). Compounds detected with relatively high concentrations consisting of acetone (730 ug/m³ in SV-5), n- Heptane (150 ug/m³ in SV-3), and n-Hexane (450 ug/m³ in SV-3).

Summary of the Remedy

The remedial action achieved protection of public health and the environment for the intended use of the property. The remedial action achieved all of the remedial action objectives established for the project and addressed applicable standards, criterion, and guidance; was effective in both the short-term and long-term and reduced mobility, toxicity and volume of contaminants; was cost effective and implementable; and used standards methods that are well established in the industry.

A summary of the milestones achieved in the Remedial Action is as follows: An RI was performed from August 2013 to October 2013. A RI Report was prepared to evaluate data and information necessary to develop a RAP. A RAP dated December 2013 was approved by the New York City Office of Environmental Remediation (NYCOER) on January 10, 2014. The remedial action began in October 2014 and was completed in August 2016.

The remedial action consisted of:

1. Mobilized for remedial action involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas;
2. Performed a Community Air Monitoring Program (CAMP) for particulates and VOCs;
3. Established Track 4 Site-Specific SCOs. SCOs for this project included Total SVOCs = 250 parts per million (ppm), copper = 500 ppm, lead = 1000 ppm, mercury = 1.5 ppm, and barium = 750 ppm;
4. Soil was excavated to depths between 17 and four (4) feet below the pre-excavation grade surface across the property. Note that the pre-excavation topography of the site was sloped drastically to the east. Additionally, approximately three (3) feet of bedrock was removed by pneumatic hammers in the northwest portion of the site to reach the design elevation for the cellar;
5. Sampled and analyzed excavated media as required by disposal facilities. Appropriately segregated excavated media. Transportation and off-Site disposal of all soil/fill material

- at permitted facilities in general accordance with applicable laws and regulations for handling, transport, and disposal;
6. Screened excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a photoionization detector (PID);
 7. A total of 6,598.09 tons of soil and bedrock fragments were disposed at the following facilities:
 - a. 1,329.86 tons of Non-Hazardous PA Clean Fill to Capital Development Facility, East Bangor, Pennsylvania; and
 - b. 5,268.23 tons of Non-Hazardous Petroleum-Contaminated Soil and Bedrock Fragments to Clean Earth of Carteret Facility, Carteret, New Jersey;
 8. Removed one (1) empty 550-gallon UST. No evidence of a leak or discharge was identified in the soil within the vicinity of the UST based on visual, olfactory and PID screening methods. One (1) post-excavation soil sample was collected for VOC and SVOC analysis and no compounds were detected above NYSDEC Unrestricted Use SCOs;
 9. Collected and analyzed five (5) endpoint samples to evaluate the performance of the remedy with respect to attainment of SCOs. Restricted-Residential Use SCOs were achieved;
 10. Constructed an engineered composite cover to prevent human exposure to residual soil/fill remaining under the Site. In the western portion of the Site, the composite cover system consists of a five (5) to six (6)-inch concrete building slab overlying a vapor barrier system and a four (4) to eight (8)-inch layer of compacted $\frac{3}{4}$ -inch RCA. In the eastern portion of the Site, the composite cover system consists of a five (5)-inch concrete rat slab overlying a four (4)-inch layer of compacted $\frac{3}{4}$ -inch RCA;
 11. Installed a vapor barrier system consisting of a VaporBlock Plus 20-mil vapor barrier membrane, manufactured by Raven Industries, beneath the western portion of the

building slab. HLM 5000 waterproofing membrane, manufactured by Sonoshield, was installed along the exterior portions of the foundation sidewalls;

12. Implemented storm-water pollution prevention measures in general compliance with applicable laws and regulations;
13. Performed all activities required for the remedial action, including permitting requirements and pretreatment requirements, in general accordance with all applicable laws and regulations; and
14. Submitted a RCR that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, describes any Engineering Controls (ECs) that have been implemented at the Site, and explains any changes from the RAP.

REMEDIAL CLOSURE REPORT

1.0 SITE BACKGROUND

This Remedial Closure Report (RCR) has been developed for The Bedford Site located at 3160-3166 Webster Avenue in the Bedford Park section of Bronx, New York (the Site). This project has been assigned project number 13EHAN519X by the New York City (NYC) Office of Environmental Remediation (OER).

This RCR describes the remediation and/or mitigation activities implemented at the Site in coordination with the NYCOER for the purposes of satisfying the requirements of the Hazardous Materials E-Designation (“E”) Program and obtaining a Notice of Satisfaction (NOS). An E-Designation for Hazardous Materials (E-249) was placed on the Site by the NYC Department of City Planning (DCP) as part of the July 30, 2010, Webster Avenue rezoning action (City Environmental Quality Review [CEQR] number 10DCP035X).

1.1 Site Location and Prior Usage

The Site is located in the Bedford Park section of Bronx, New York, and is identified as Block 3357, Lots 33, 35 and 36, on the New York City Tax Map. **Figure 1** is a Site Location Map. **Figure 2** is the Tax Map. The Site consists of 11,802 square feet and is bounded by a charter school and commercial structure to the north, a church and commercial structures to the south, railroad tracks and wooded land to the east, and Webster Avenue and a public school to the west. Prior to redevelopment, a vacant house was present on Lot 36, a vacant single-floor commercial store was present on Lot 35, and a vacant parking garage was present on Lot 33.

1.2 Redevelopment Plan

The Site now consists of a 10-story mixed residential and commercial structure use with a partial below-grade cellar. The building contains 60 units, ranging from studios to three (3) bedrooms. The building occupies a base footprint of approximately 11,802 square feet. A tenant

bulk storage room, a bike storage room, an office, a community room, a computer lab, a mechanical boiler room, a compactor and recyclables room, a fire pump room, a water meter room, a gas meter room, an electrical meter room, and a telecommunications rooms are present in the cellar. The partial cellar occupies 8,134 square feet of the site, and was excavated from grade surface to depths ranging from 17 feet below grade surface (bgs) in the western portion of the cellar and four (4) feet bgs in the eastern portion of the cellar. Commercial retail space, a residential building lobby, and bathrooms are present on the first floor. An outdoor recreational area, residential apartments ranging from one (1) to three (3) bedrooms, and a laundry room are present on the second floor. Residential apartments ranging from studios to three (3) bedrooms are present on the second through tenth floors. Outdoor access spaces are present on the tenth floor. A bulkhead is present on the tenth floor roof.

1.3 Environmental Investigations

A Phase I Environmental Site Assessment (ESA), prepared by Brinkerhoff Environmental Services, Inc. (Brinkerhoff) and dated November 19, 2013, was performed for the Site. At the time of report preparation, the following recognized environmental conditions (RECs) were identified for the Site:

1. According to historical documentation, a 550-gallon gasoline tank was buried at 3160 Webster Avenue (Block 3357, Lot 33) prior to 1945. The potential exists that the underground storage tank (UST) could still be present.
2. According to a geophysical survey conducted in September 2010 by EPDSO, one or more out-of-service tanks exist at 3160 Webster Avenue (Block 3357, Lot 33). There is no documentation showing they have been closed or removed in accordance with New York State Department of Environmental Conservation (NYSDEC) and New York City Fire Department (NYCFD) regulations.
3. According to a review of historical documentation, historic manufacturing operations on 3160 Webster Avenue (Block 3357, Lot 33) included automotive repair garage and metal shop. Operations such as these typically use hazardous materials such as degreasers and petroleum-based lubricants in daily operation. Based on the suspected former use and current use of hazardous materials on Site, there is the potential for impact to the subject

property.

4. 3160 Webster Avenue (Block 3357, Lot 33) contains an E-Designation for Hazardous Materials, Air and Noise. As part of the “E”-Designation Process, a RIR and a Remedial Action Plan (RAP) are required in order for Building permits to be issued. After the completion of Site development, a Remedial Closure Report (RCR) is required documenting the implementation of the RAP. Brinkerhoff is working with Bedford Webster LLC to complete the required sampling, analysis, and reports.

A RIR was prepared by Brinkerhoff, dated November 2013, and the following work was performed at the Site during the Remedial Investigation (RI):

1. Conducted a Site inspection to identify Areas of Concern (AOCs) and physical obstructions (i.e., structures, buildings, etc.);
2. Installed eight (8) soil borings across the entire project Site and collected 16 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed one (1) groundwater monitoring well and two (2) temporary well points throughout the Site and collected three (3) groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed five (5) soil vapor probes around the Site perimeter and collected five (5) samples for chemical analysis.

The following are findings from the RI:

1. Surface elevation of the property is approximately 100 feet above mean sea level;
2. Depth to groundwater ranges from 15 to 28 feet bgs at the Site;
3. Groundwater flow is anticipated to be towards the east to east-southeast;
4. Depth to bedrock varies from approximately 9 feet bgs along the western side of the property to at least 21 feet bgs along the eastern side of the parcel. The Site topography slopes drastically to the east;

5. The stratigraphy beneath the Site consists of urban historic fill from grade to five (5) feet bgs overlying alluvium deposits consisting of brown and yellow coarse, medium to fine sand with some gravel and little silt. These sediments rest on gneiss bedrock which is found between 9 and 21 feet bgs;
6. Soil/fill samples collected during the RI showed no volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, or polychlorinated biphenyls (PCBs) above the Unrestricted Use or Restricted- Residential Use Soil Cleanup Objectives (SCOs). Seven (7) metals were detected above Unrestricted Use SCOs and, of these, barium (maximum of 467 milligrams per kilogram [mg/kg]) and lead (maximum of 511 mg/kg) were reported above Restricted-Residential Use SCOs;
7. Groundwater samples collected during the RI showed no SVOCs, PCBs or pesticides above the NYSDEC 6 New York Codes, Rules and Regulations (NYCRR) Part 703.5 Groundwater Quality Standards (GQS). Chloroform was detected at 8.46 micrograms per liter (ug/L) above GQS in GW-2. The unfiltered metals aluminum (1,400 ug/L in GW-2), iron (maximum of 1,500 ug/L), manganese (1,070 ug/L in GW-2) and sodium (maximum of 283,000 ug/L) were detected above GQS. When filtered, manganese (884 ug/L in GW-2) and sodium (maximum of 264,000 ug/L) were detected above the GQS; and
8. Soil vapor samples collected during the RI indicated concentrations of petroleum-related compounds. Trichloroethene (TCE) was not detected in soil vapor samples. Various compounds were detected with low concentrations, including benzene (maximum 4.4 micrograms per cubic meter [ug/m³]), tetrachloroethene (PCE) (maximum 3.5 ug/m³), ethylbenzene (maximum 3.0 ug/m³), toluene (maximum 28 ug/m³), and xylenes (maximum 17.7 ug/m³). Compounds detected with relatively high concentrations consisting of acetone (730 ug/m³ in SV-5), n- Heptane (150 ug/m³ in SV-3), and n-Hexane (450 ug/m³ in SV-3).

The RIR is provided as *Appendix I*.

2.0 DESCRIPTION OF REMEDIAL ACTIONS

The Site was remediated in general accordance with the scope of work presented in the NYCOER-approved RAP, dated December 2013. Remedial actions were completed in general accordance with applicable laws and regulations, and the Site-specific-construction Construction Health and Safety Plan (CHASP). Any deviations from the RAP are noted below.

The following remedial actions were completed in this program:

1. Mobilized for remedial action involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas;
2. Performed a Community Air Monitoring Program (CAMP) for particulates and VOCs;
3. Established Track 4 Site-Specific SCOs. SCOs for this project included Total SVOCs = 250 ppm, copper = 500 ppm, lead = 1000 ppm, mercury = 1.5 ppm, and barium = 750 ppm;
4. Soil was excavated to depths between 17 and four (4) feet below the pre-excavation grade surface across the property. Note that the pre-excavation topography of the site was sloped drastically to the east. Additionally, approximately three (3) feet of bedrock was removed by pneumatic hammers in the northwest portion of the site to reach the design elevation for the cellar;
5. Sampled and analyzed excavated media as required by disposal facilities. Appropriately segregated excavated media. Transportation and off-Site disposal of all soil/fill material at permitted facilities in general accordance with applicable laws and regulations for handling, transport, and disposal;
6. Screened excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a photoionization detector (PID);
7. A total of 6,598.09 tons of soil and bedrock fragments were disposed at the following facilities:

- a. 1,329.86 tons of Non-Hazardous PA Clean Fill to Capital Development Facility, East Bangor, Pennsylvania; and
 - b. 5,268.23 tons of Non-Hazardous Petroleum-Contaminated Soil and Bedrock Fragments to Clean Earth of Carteret Facility, Carteret, New Jersey;
8. Removed one (1) empty 550-gallon UST. No evidence of a leak or discharge was identified in the soil within the vicinity of the UST based on visual, olfactory and PID screening methods. One (1) post-excavation soil sample was collected for VOC and SVOC analysis and no compounds were detected above NYSDEC Unrestricted Use SCOs;
 9. Collected and analyzed five (5) endpoint samples to evaluate the performance of the remedy with respect to attainment of SCOs. Restricted-Residential Use SCOs were achieved;
 10. Constructed an engineered composite cover to prevent human exposure to residual soil/fill remaining under the Site. In the western portion of the Site, the composite cover system consists of a five (5) to six (6)-inch concrete building slab overlying a vapor barrier system and a four (4) to eight (8)-inch layer of compacted $\frac{3}{4}$ -inch RCA. In the eastern portion of the Site, the composite cover system consists of a five (5)-inch concrete rat slab overlying a four (4)-inch layer of compacted $\frac{3}{4}$ -inch RCA;
 11. Installed a vapor barrier system consisting of a VaporBlock Plus 20-mil vapor barrier membrane, manufactured by Raven Industries, beneath the western portion of the building slab. HLM 5000 waterproofing membrane, manufactured by Sonoshield, was installed along the exterior portions of the foundation sidewalls;
 12. Implemented storm-water pollution prevention measures in general compliance with applicable laws and regulations;
 13. Performed all activities required for the remedial action, including permitting requirements and pretreatment requirements, in general accordance with all applicable laws and regulations; and

14. Submitted a RCR that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, describes any Engineering Controls (ECs) that have been implemented at the Site, and explains any changes from the RAP.

The RAP is provided as *Appendix II*.

3.0 COMPLIANCE WITH REMEDIAL ACTION PLAN

3.1 Construction Health and Safety Plan

The remedial construction activities performed under this program were in general compliance with the site-specific CHASP and applicable laws and regulations. The Site Safety Coordinator was Steve Hanges.

3.2 Community Air Monitoring Plan

The Community Air Monitoring Plan provided for the collection and analysis of air samples during remedial construction activities to ensure proper protections were employed to protect workers and the neighboring community. Continuous monitoring was performed in general compliance with the Community Air Monitoring Plan in the approved NYCOER-approved RAP. During the remedial action, no 15-minute average PM-10 readings exceeded the applicable standard of 0.150 milligrams per cubic meter (mg/m³) above background levels and no 15-minute average PID readings exceeded the background levels. The results of the Community Air Monitoring are shown in the daily reports which are provided as *Appendix III*.

3.3 Soil/Materials Management Plan

The Soil/Materials Management Plan in the NYCOER-approved RAP provided detailed plans for managing all soils/materials that were disturbed at the Site, including excavation, handling, storage, transport and disposal. It also included a series of controls to assure effective, nuisance free remedial activity in compliance with applicable laws and regulations. Remedial construction activities performed under this program were in general compliance with the Site Management and Monitoring Plan (SMMP) in the NYCOER-approved RAP.

3.4 Storm-Water Pollution Prevention

Storm water pollution prevention included physical methods and processes to control and/or divert surface water flows and to limit the potential for erosion and migration of Site soils, via wind or water. Remedial construction activities performed under this program were in general compliance with applicable storm-water pollution prevention laws and regulations and the

NYCOER-approved RAP.

3.5 Deviations from the Remedial Action Plan

In the NYCOER-approved RAP, dated December 2013, the vapor barrier membrane was proposed to be installed beneath the entire footprint of the building. However, the vapor barrier membrane was not installed beneath the concrete slab in the eastern portion of the Site due to the open exposure to the outdoors within this area. The locations of the installed vapor barrier membrane are shown on **Figure 5**.

Additionally, Track 4 Site-Specific SCOs were originally proposed in the NYCOER-approved RAP; however, Restricted-Residential Use SCOs were ultimately achieved through the collection of endpoint samples and in-situ soil samples from the RI.

4.0 REMEDIAL PROGRAM

4.1 Project Organization

Project personnel who participated in the remedial action included Professional Engineer (P.E.) Gene Santana and Qualified Environmental Professional (QEP) Doug Harm, Project Director.

4.2 Site Controls

Site Preparation

The plans for the demolition of the pre-existing structures were approved on August 13, 2013 and signed off on September 9, 2013 by the New York City Department of Buildings (NYCDOB). Waste characterization soil sampling was performed during the RI on September 30 and October 1, 2013 by Brinkerhoff prior to mobilization and additional waste characterization soil sampling was performed on November 10, 2014 by Clean Earth, Inc. to obtain soil disposal approvals and to minimize the need for on-Site soil stockpiles. Construction plans for the new building were approved on October 31, 2013 by the NYCDOB. Between May 2014 and October 2014 (prior to the beginning of the Remedial Action), hydraulic excavators were mobilized to the Site to begin soil excavation. The following activities were also completed during this time frame, prior to the beginning of the remedial action: grubbing; construction of the site fence; truck pad construction; erosion and sedimentation control construction; a utility marker layout; an easement layout; and acquisition of agency approvals.

A NYCOER Project Notice was placed at the project entrance and was in place during all phases of the Remedial Action.

Soil Screening

The intrusive soil excavation activities were overseen by a qualified environmental professional (QEP) during each day Brinkerhoff was on-Site. Soil excavation activities began in October 2014. During excavation activities, Brinkerhoff inspected the soil for evidence of contamination based on visual, olfactory and PID screening methods. A handheld PID was

utilized to screen for the presence of VOCs within the work area. Particulate monitoring was performed using a DUST TRAK II monitor and collected continuous particulate readings every minute. Before ground-intrusive activities commenced each day, calibration of the PID was performed and background VOC concentrations within the work area were established. No evidence of contamination was observed during the excavation activities.

Stockpile Management

During excavation, soil was either directly loaded into tri-axel dump trucks or temporarily stockpiled on-Site for later off-Site disposal. Stockpiles were temporarily used only when necessary, were removed as soon as practicable, and were not kept overnight. Soil stockpiles were inspected each day Brinkerhoff was on-Site. Results of inspections were recorded in a logbook and were maintained at the Site and available for inspection by NYCOER. Daily photographs of the excavation activities are provided as *Appendix IV*.

Truck Inspection

A truck-wash pad consisting of ¾-inch clean RCA was constructed at the Site entrance along Webster Avenue. Before leaving the Site, trucks and equipment were inspected on the truck-wash pad for evidence of soil remaining on the undercarriages and/or the tires of the vehicles. If necessary, excess soil was brushed off the vehicles and equipment and the trucks and equipment were sprayed with clean water before leaving the Site, as appropriate (see photographs in *Appendix IV*).

Site Security

The Site was secured entirely by perimeter fencing and manned security was in place at the entrance gates during normal construction hours of 07:00 AM to 4:00 PM. KJD Construction Inc. was contracted by Joy Construction Corp. to provide security services at the Site.

Nuisance Controls

No issues of odors, dust, or neighborhood complaints were encountered during excavation activities at the Site. None to minimal dust associated with the excavation of on-Site soil was observed leaving the Site. Occasionally, active construction activities (e.g. sweeping,

jackhammering, cutting wood, breaking up exposed bedrock etc.) generated visible dust; however, the contractor implemented dust suppression methods to minimize the generation of such particulates. Dust suppression methods included the application of water to excavation and working areas.

Reporting

As requested by NYCOER, daily field reports were provided to the NYCOER project manager as appropriate. The reports included a summary of daily field activities, work zone locations, quantities of excavated/disposed soil, status of on-Site stockpiles, CAMP enclosure locations, Site photographs, and all Site-specific NYCOER identification numbers. All daily and monthly reports are provided as *Appendix III*. Digital photographs of the Remedial Action are provided as *Appendix IV*.

4.3 Materials Excavation and Removal

Track 4 Site-Specific SCOs were originally proposed for this project; however, Restricted-Residential Use SCOs were achieved. During the remedial action, 6,598.09 tons of soil and bedrock fragments were excavated and disposed of at two (2) separate facilities. Approvals were obtained from two (2) separate disposal/recycling facilities for the soil generated during the remedial action. Excavated soils were disposed of at the following facilities:

- Capital Development Facility, East Bangor, Pennsylvania; and
- Clean Earth of Carteret Facility, Carteret, New Jersey.

Copies of the soil disposal waste manifests are provided as *Appendix V* and the waste disposal tracking summary is provided as *Table 1*. Prior to off-Site disposal, facility approval letters were received from the designated facilities accepting soils from the Site. Facility acceptance letters are provided in *Appendix VI*.

Prior to Site excavation, the existing topography of the Site sloped drastically to the east; therefore, the depth of excavation varied across the Site. The remedial action began on October 8, 2014 with soil excavation in the western portion of the Site. Between October 8 and October 9, 2014, 1,329.86 tons of Non-Hazardous PA Clean Fill was excavated from the western and south-central portions of the Site between grade surface and six (6) feet bgs. The excavated soil was live-loaded and removed off-Site to the Capital Development Facility located in East

Bangor, Pennsylvania.

On November 10, 2014, Clean Earth performed additional waste characterization sampling at the Site in order to obtain approval from a different facility for a more cost-effective disposal option. Between November 2014 and April 2015, 5,268.23 tons of Non-Hazardous Petroleum-Contaminated Soil and Bedrock Fragments were excavated from the remaining portions of the Site to depths ranging between four (4) feet bgs in the eastern portion of the Site and 12 feet bgs in the western portion of the Site for development purposes. Additionally, material was excavated to 17 feet bgs in the southwest portion of the Site for the elevator pit installation. The excavated soil and bedrock fragments were live-loaded and removed off-Site to the Clean Earth of Carteret Facility located in Carteret, New Jersey.

Exposed bedrock was encountered in the northwest portion of the Site from approximately nine (9) to 12 feet bgs and the bedrock was removed via excavator pneumatic hammer attachments. During the remedial action, soil was live-loaded via hydraulic excavator buckets into tri-axel dump trucks.

A map showing the location where excavations were performed is shown on **Figure 3**.

Underground Storage Tank Removal

On November 25, 2014, one (1) empty 550-gallon UST was encountered during excavation activities along the western boundary of the Site adjacent to Webster Avenue. The UST was empty and no holes or cracks were identified within the UST. No evidence of a leak or discharge was identified based on visual, olfactory, and PID screening methods within the surrounding soil of the UST. At the base depth of the UST, approximately six (6) feet bgs, one (1) post-excavation soil sample identified as UST-1 was collected for analysis of VOCs and SVOCs. No compounds were detected above the NYSDEC Unrestricted Use SCOs. The Sample Results Summary is provided as **Table 2**. The analytical laboratory data package is provided as **Appendix VII**.

Endpoint Sample Results

On April 9, 2015, endpoint samples (EP-1 through EP-3) were collected at approximately 12 feet bgs, relative to Webster Avenue, in the eastern portion of the Site. On April 27, 2015,

endpoint samples (EP-4 and EP-5) were collected at approximately 12 feet bgs, relative to Webster Avenue, in the western portion of the Site. The endpoint sample locations are shown on **Figure 4**. The aforementioned samples were submitted to Accredited Analytical Resources, LLC (Accredited) in Carteret, New Jersey, a New York State Department of Health (NYS DOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory. Endpoint samples were analyzed for Target Compound List (TCL) and Target Analyte List (TAL) compounds. The TCL/TAL compounds consist of VOCs, SVOCs, Pesticides, PCBs, and Metals.

Additionally, five (5) soil samples from the RI, identified as SB-1B, SB-2B, SB-3B, SB-5B, and SB-6B, remain in place at the Site and serves as in-situ endpoint samples. SB-1B was collected at 14 feet bgs, SB-2B was collected at 19 feet bgs, SB-3B was collected at 24 feet bgs, SB-5B was collected at 19 feet bgs, and SB-6B was collected at 18 feet bgs. The samples were also submitted to Accredited for TCL/TAL compounds.

The endpoint and in-situ endpoint sample results were compared to the NYSDEC Unrestricted Use SCOs, NYSDEC Restricted-Residential Use SCOs, and the Track 4 Site-Specific SCOs. The Track 4 SCOs were as follows:

<u>Contaminant</u>	<u>Track 4 SCOs</u>
Total SVOCs	250 ppm
Copper	500 ppm
Lead	1000 ppm
Mercury	1.5 ppm
Barium	750 ppm

The Endpoint Sample Results Summary Tables are provided as **Table 3 and Table 4** and the In-Situ Endpoint Sample Results Summary Table is provided as **Table 5**. No compounds from the endpoint and in-situ endpoint samples were detected above the NYSDEC Restricted-Residential Use SCOs and therefore, NYSDEC Restricted-Residential Use SCOs were achieved. The endpoint sample analytical data packages are provided as **Appendix VIII** and the in-situ endpoint sample data packages are provided in **Appendix I**.

4.4 Materials Disposal

As outlined in Section 4.3, 6,598.09 tons of soil and bedrock fragments were removed from the Site and disposed/recycled at two (2) separate facilities: the Capital Development Facility in East Bangor, Pennsylvania and the Clean Earth of Carteret Facility in Carteret, New Jersey.

Soil excavation and off-Site disposal activities were performed between October 2014 and April 2015. The material type, quantity, and disposal location of material removed and disposed off-Site is presented below:

Destination	Type of Material	Quantity (tons)
Capital Development Facility, East Bangor, Pennsylvania	Non-Hazardous PA Clean Fill	1,329.86
Clean Earth of Carteret Facility, Carteret, New Jersey	Non-Hazardous Petroleum- Contaminated Soil and Bedrock Fragments	5,268.23

Letters and electronic mail from the Enrollee to the disposal facility providing materials type, source and data; and acceptance letters from the disposal facility stating it is approved to accept these materials are attached in **Appendix VI**. Manifests are included in **Appendix V**. The table above shows the total quantities of each class of material removed from the Site and the disposal locations. A waste disposal tracking log summary is provided as **Table 1**.

5.0 ENGINEERING CONTROLS

Since Restricted-Residential Use SCOs were achieved at this Site, ECs are not required. However, as part of development, the following protective systems were installed:

- (1) Composite Cover System consisting of the concrete building slab and concrete covered sidewalks; and
- (2) Vapor Barrier System.

Composite Cover System

Exposure to residual soil/fill is prevented by an engineered, composite cover system that has been built on the Site. In the western portion of the Site, the composite cover system consists of a five (5) to six (6)-inch concrete building slab overlying a vapor barrier system and a four (4) to eight (8)-inch layer of compacted $\frac{3}{4}$ -inch RCA. In the eastern portion of the Site, the composite cover system consists of a five (5)-inch concrete rat slab overlying a four (4)-inch layer of $\frac{3}{4}$ -inch RCA. The composite cover system is a permanent EC for the Site within the footprint of the foundation/structure. **Figure 5** shows the location of each cover type built at the Site and the approved design for each remedial cover type used on this Site.

Vapor Barrier System

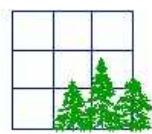
Exposure to soil vapor is prevented by a Vapor Barrier System that has been built on the Site. The Vapor Barrier System is a permanent EC for the Site. The Vapor Barrier System consists of a VaporBlock Plus 20-mil vapor barrier membrane, manufactured by Raven Industries, that was installed beneath the western portion of the building slab and HLM 5000 waterproofing membrane, manufactured by Sonoshield, was installed along the exterior portions of the foundation sidewalls. The vapor barrier was only installed beneath the foundation concrete slab in the western portion of the site since the eastern portion of the cellar is exposed to the outdoors. No vapor barrier was installed beneath the concrete rat slab in the eastern portion of the site.

In the western portion of the site, the VaporBlock Plus 20-mil vapor barrier membrane was installed overlying a four (4)-inch layer of compacted $\frac{3}{4}$ -inch RCA and the membrane was applied by the roll-out method consisting of overlapping liner edges approximately six (6) to 12-inches. Raven Butyl Seal Tape was used to seal adjoining liners. At penetrations, such as plumbing/electrical conduits and support columns, the liners were pre-cut to fit around the penetration(s) and the liner was sealed using 2-sided Raven Butyl Seal Tape, VaporBond Plus Tape and in necessary instances, a polyurethane elastomeric sealant was applied around the penetrations. The HLM 5000 liquid cold-applied elastomeric waterproofing membrane was applied along the exterior of the foundation sidewall by trowel, roller or spray at the rate of 25 square-feet per gallon.

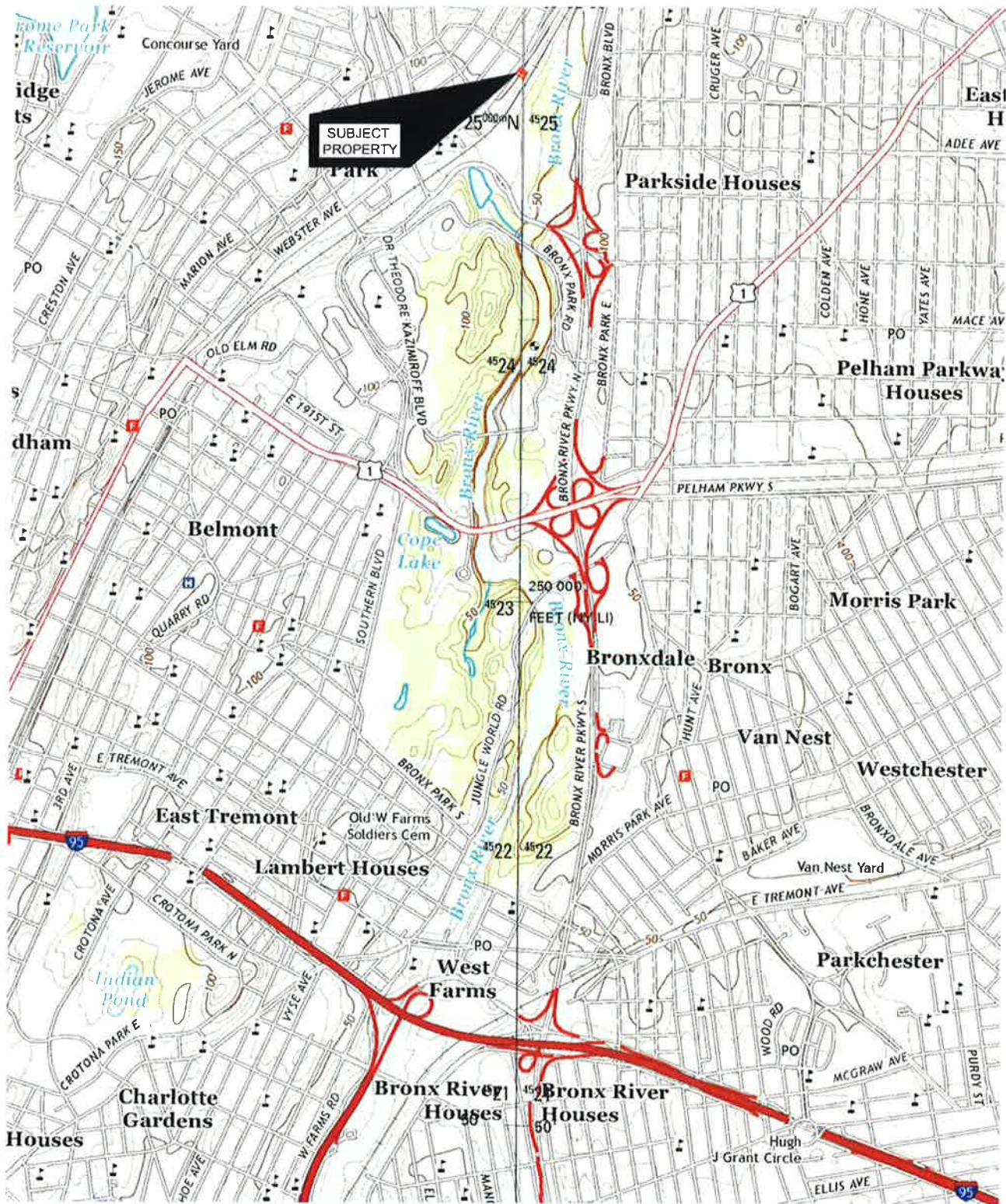
The design engineer for the Vapor Barrier System was Ira N. Pierce, P.E. The contractor for construction of the Vapor Barrier System was Joy Construction Corp. **Figure 5** shows the location and the as-built design for the Vapor Barrier System used on this Site. Photographs of installation of the Vapor Barrier System are included in **Appendix IV**. The Vapor Barrier Membrane Specifications are provided as **Appendix IX**.

6.0 INSTITUTIONAL CONTROLS

This Site achieved Restricted-Residential Use SCO, thus Institutional Controls are not required.



Figures



SCALE: 1" = 24,000'
 PHOTO REVISED: 2013

0' 1000' 2000'
 SCALE: 1" = 2000'

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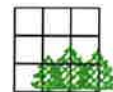


FIGURE 1 - SITE LOCATION MAP
 U.S.G.S. TOPOGRAPHIC CENTRAL PARK & FLUSHING, NY QUADS
 3160-3166 WEBSTER AVENUE
 BLOCK 3357, LOTS 33, 35 & 36
 BRONX, NEW YORK

DATE: 9/2/16

JOB NO.: 13BR116






SCALE: 1" = 2000'



NOTE:

1. ALL SOIL WAS DISPOSED OF OFF-SITE AT THE CLEAN EARTH OF CARTERET FACILITY LOCATED IN CARTERET, NJ, EXCEPT FOR THE OUTLINED AREA IN WHICH THE FIRST 0-6 FT. BGS OF SOIL WAS DISPOSED OF OFF-SITE AT CAPITAL DEVELOPMENT FACILITY IN E. BANGOR, PA.
2. EXCAVATION AREAS ARE APPROXIMATE.
3. FT. BGS = FEET BELOW EXISTING GRADE SURFACE.
4. PRIOR TO SITE EXCAVATION, THE EXISTING TOPOGRAPHY OF THE SITE WAS SLOPED DRASTICALLY TO THE EAST.
5. THE BASE MAP IS REFERENCED FROM "CELLAR FLOOR PLAN, A-100.00" DRAWING, PREPARED BY AUFGANG & SUBOTOVSKY, DATED 10/10/2013.

LEGEND

-  EXCAVATED BETWEEN 0 TO 4 FT. BGS (APPROX)
-  EXCAVATED BETWEEN 4 TO 8 FT. BGS (APPROX)
-  EXCAVATED BETWEEN 8 TO 12 FT. BGS (APPROX)
-  EXCAVATED BETWEEN 11 TO 17 FT. BGS (APPROX)
-  LOCATION OF SOIL EXCAVATED BETWEEN 0 TO 6 FT. BGS (APPROX.) & DISPOSED OF OFF-SITE AT CAPITAL DEVELOPMENT FACILITY

0' 20' 40'

SCALE: 1"=40'

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

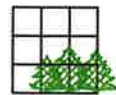


FIGURE 3
SOIL EXCAVATION MAP
3160-3166 WEBSTER AVENUE
BLOCK 3357, LOTS 33, 35 & 36
BRONX, NEW YORK

DATE: 9/2/16

JOB NO.: 13BR116

SCALE: 1" = 20'



NOTE:

1. ALL ENDPOINT SAMPLES WERE COLLECTED AT APPROXIMATELY 12 FT. BELOW THE WEBSTER AVE SIDEWALK GRADE.
2. UST = UNDERGROUND STORAGE TANK

LEGEND

- - IN-SITU ENDPOINT SAMPLE LOCATION
SB-1 (FROM NOVEMBER 2013 RI)
- ▼ - ENDPOINT SAMPLE LOCATION
EP-1
- - APPROXIMATE LOCATION OF THE UST
ENCOUNTERED DURING EXCAVATION
- - POST-EXCAVATION SOIL SAMPLE LOCATION
UST-1

0' 20' 40'

SCALE: 1" = 40'

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

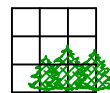


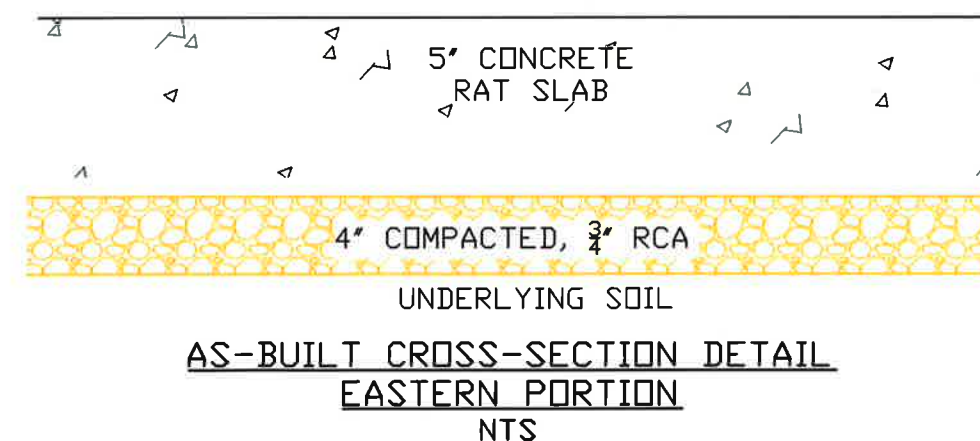
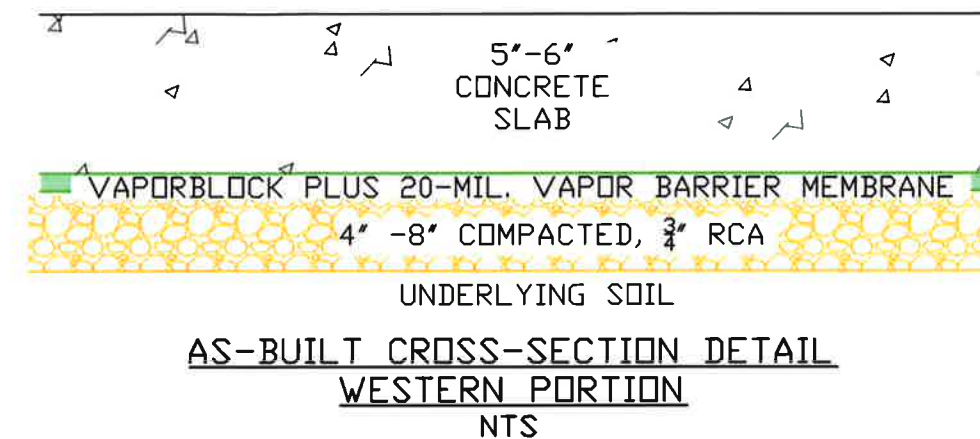
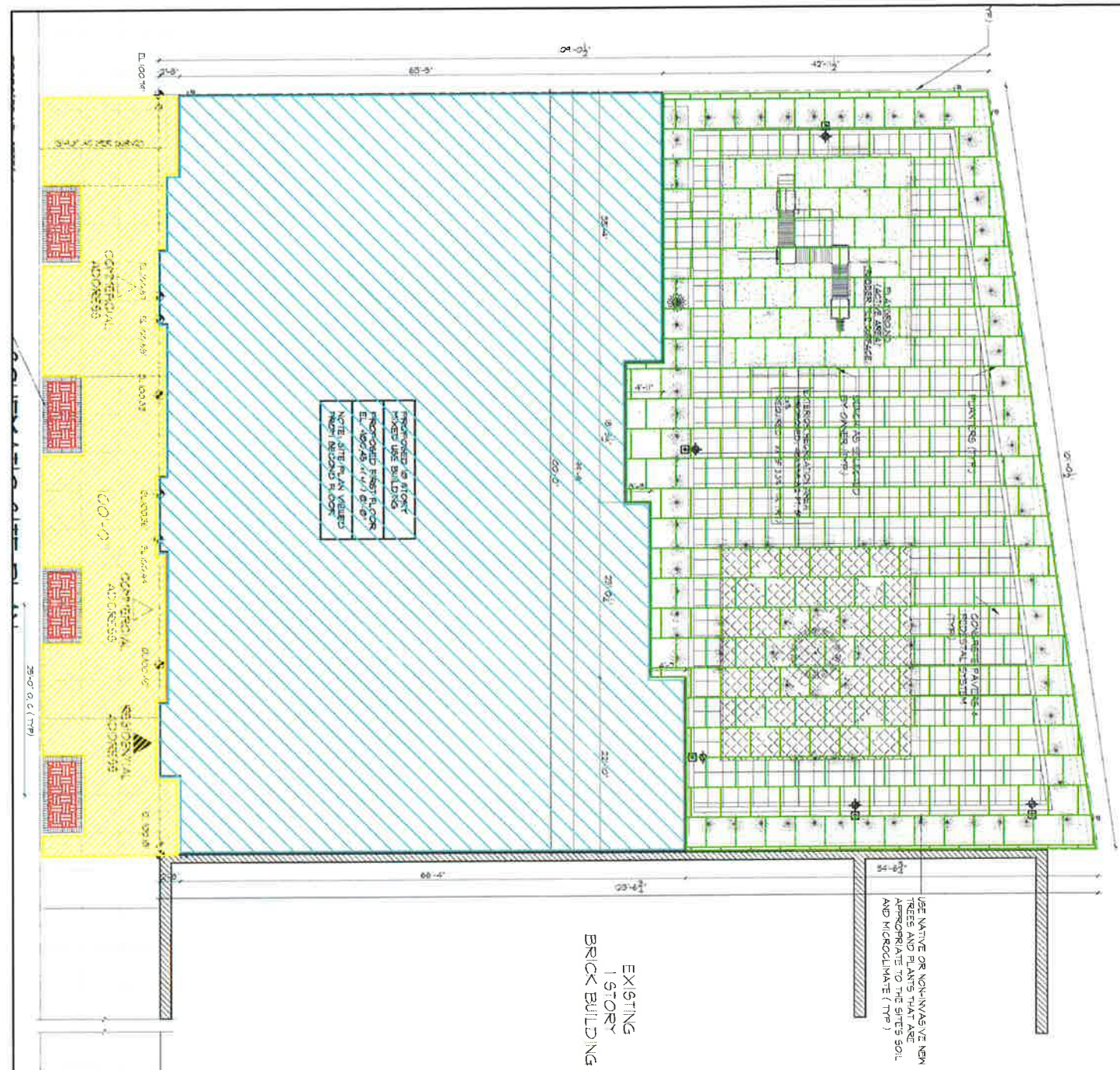
FIGURE 4
ENDPOINT SAMPLE LOCATION MAP
3160-3166 WEBSTER AVENUE
BLOCK 3357, LOTS 33, 35 & 36
BRONX, NEW YORK

DATE: 6/5/17

JOB NO.: 13BR116

SCALE: 1" = 40'

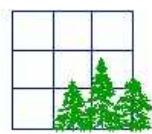
WEBSTER AVENUE



BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 5 - COMPOSITE COVER LOCATION MAP
AND CROSS-SECTIONAL DETAIL
1808 CROTONA PARKWAY - BUILDING A
BLOCK 3357, LOTS 33, 35 & 36
BRONX, NEW YORK

DATE: 9/26/16 JOB NO.: 13BR116 SCALE: AS SHOWN



Tables

Table 1
Waste Disposal Tracking Log Summary
3160 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Load Counter	Date	Trucking Company	Plate #	Truck #	Manifest #	Weight Ticket #	Material Type	Disposal Facility	Tons	Comments
1	10/8/2014	Jencar Trucking	AP573W	72	10	5000000486	NH PA Clean Fill	Capital Development Facility	33.36	
2	10/8/2014	Jencar Trucking	AP885D	69	21	5000000489	NH PA Clean Fill	Capital Development Facility	32.88	
3	10/8/2014	Jencar Trucking	AN509W	71	15	5000000490	NH PA Clean Fill	Capital Development Facility	35.14	
4	10/8/2014	Jencar Trucking	AR621C	67	7	5000000494	NH PA Clean Fill	Capital Development Facility	37.97	
5	10/8/2014	Jencar Trucking	AP552R	69	23	5000000497	NH PA Clean Fill	Capital Development Facility	34.12	
6	10/8/2014	Jencar Trucking	AP249P	77	20	5000000499	NH PA Clean Fill	Capital Development Facility	39.6	
7	10/8/2014	Jencar Trucking	AR470F	7	18	5000000500	NH PA Clean Fill	Capital Development Facility	35.72	
8	10/8/2014	Jencar Trucking	AR993H	2027	17	5000000505	NH PA Clean Fill	Capital Development Facility	38.46	
9	10/8/2014	Jencar Trucking	AP812A	68	1	5000000506	NH PA Clean Fill	Capital Development Facility	36.36	
10	10/8/2014	Jencar Trucking	ANJ90H	1	4	5000000507	NH PA Clean Fill	Capital Development Facility	29.28	
11	10/8/2014	Jencar Trucking	B9273T	249	3	5000000508	NH PA Clean Fill	Capital Development Facility	30.68	
12	10/8/2014	Jencar Trucking	AR771G	9	8	5000000509	NH PA Clean Fill	Capital Development Facility	34.85	
13	10/8/2014	Jencar Trucking	AR770G	2	11	5000000512	NH PA Clean Fill	Capital Development Facility	36.98	
14	10/8/2014	Jencar Trucking	AP573W	72	9	5000000514	NH PA Clean Fill	Capital Development Facility	34.03	
15	10/8/2014	Jencar Trucking	AN509W	71	14	5000000516	NH PA Clean Fill	Capital Development Facility	31.05	
16	10/8/2014	Jencar Trucking	AP444Z	7	2	5000000517	NH PA Clean Fill	Capital Development Facility	34.76	
17	10/8/2014	Jencar Trucking	AR804C	8	53	5000000522	NH PA Clean Fill	Capital Development Facility	33.49	
18	10/8/2014	Jencar Trucking	AP885D	69	22	5000000523	NH PA Clean Fill	Capital Development Facility	32.99	
19	10/8/2014	Jencar Trucking	AS619C	11	52	5000000524	NH PA Clean Fill	Capital Development Facility	32.08	
20	10/8/2014	Jencar Trucking	AP552R	70	24	5000000526	NH PA Clean Fill	Capital Development Facility	30.82	
21	10/8/2014	Jencar Trucking	AR621C	67	6	5000000527	NH PA Clean Fill	Capital Development Facility	34.41	
22	10/8/2014	Jencar Trucking	AN828W	3	45	5000000528	NH PA Clean Fill	Capital Development Facility	31.78	
23	10/8/2014	Jencar Trucking	AP249P	77	19	5000000529	NH PA Clean Fill	Capital Development Facility	33.95	
24	10/8/2014	Jencar Trucking	AR470F	7	5	5000000530	NH PA Clean Fill	Capital Development Facility	30.24	
25	10/8/2014	Jencar Trucking	AR713H	10	55	5000000534	NH PA Clean Fill	Capital Development Facility	33.95	
26	10/8/2014	Jencar Trucking	AP377P	1	54	5000000537	NH PA Clean Fill	Capital Development Facility	32.12	
27	10/8/2014	Jencar Trucking	AR993H	2027	57	5000000538	NH PA Clean Fill	Capital Development Facility	28.89	
28	10/8/2014	Jencar Trucking	ANJ90H	1	56	5000000539	NH PA Clean Fill	Capital Development Facility	30.26	
29	10/8/2014	Jencar Trucking	AP812A	68	12	5000000540	NH PA Clean Fill	Capital Development Facility	31.14	
30	10/9/2014	DI Trucking	AR804C	8	51	5000000541	NH PA Clean Fill	Capital Development Facility	31.45	
31	10/9/2014	DI Trucking	AS621C	12	59	5000000542	NH PA Clean Fill	Capital Development Facility	34.99	
32	10/9/2014	DI Trucking	AP133Z	1	58	5000000543	NH PA Clean Fill	Capital Development Facility	33.93	
33	10/9/2014	DI Trucking	AP885D	69	46	5000000544	NH PA Clean Fill	Capital Development Facility	32.82	
34	10/9/2014	DI Trucking	AP573W	72	44	5000000545	NH PA Clean Fill	Capital Development Facility	30.37	
35	10/9/2014	DI Trucking	AR621C	67	47	5000000547	NH PA Clean Fill	Capital Development Facility	34.85	
36	10/9/2014	DI Trucking	AP812A	68	48	5000000548	NH PA Clean Fill	Capital Development Facility	32.13	
37	10/9/2014	DI Trucking	AR470F	7	49	5000000550	NH PA Clean Fill	Capital Development Facility	29.91	
38	10/9/2014	DI Trucking	AP249P	77	50	5000000551	NH PA Clean Fill	Capital Development Facility	36.46	
39	10/9/2014	DI Trucking	ANJ90H	90	32	5000000555	NH PA Clean Fill	Capital Development Facility	29.38	
40	10/9/2014	DI Trucking	AR993H	2027	31	5000000558	NH PA Clean Fill	Capital Development Facility	32.21	
41	11/20/2014	Shirley	AP207R /NJ	28	921918	153889	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.41	
42	11/20/2014	Shirley	AR922F /NJ	32	921917	153898	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.54	
43	11/20/2014	Shirley	AS116B /NJ	12	921919	153909	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.65	

Table 1
Waste Disposal Tracking Log Summary
3160 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Load Counter	Date	Trucking Company	Plate #	Truck #	Manifest #	Weight Ticket #	Material Type	Disposal Facility	Tons	Comments
44	11/20/2014	Shirley	AS838B /NJ	40	921926	153932	NH PCS and Bedrock Fragments	Clean Earth of Carteret	29.58	
45	11/20/2014	Shirley	AS261B /NJ	36	921921	153942	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.22	
46	11/20/2014	Shirley	AP160M /NJ	16	921920	153958	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.24	
47	11/20/2014	Shirley	AN983X /NJ	20	921923	153967	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.21	
48	11/20/2014	Shirley	AR602A /NJ	26	921922	153968	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.14	
49	11/20/2014	Shirley	AN396Z /NJ	6	921928	154022	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.83	
50	11/20/2014	Shirley	AR645E /NJ	8	921927	154023	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.02	
51	11/20/2014	Shirley	AR922F /NJ	32	921931	154129	NH PCS and Bedrock Fragments	Clean Earth of Carteret	29.77	
52	11/20/2014	Shirley	AP207R /NJ	28	921930	154126	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.24	
53	11/20/2014	Shirley	AS116B /NJ	12	921932	154140	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.82	
54	11/20/2014	Shirley	AS838B /NJ	40	921933	154149	NH PCS and Bedrock Fragments	Clean Earth of Carteret	29.74	
55	11/20/2014	Shirley	AS261B /NJ	36	921934	154233	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.56	
56	11/20/2014	Shirley	AP160M /NJ	16	921935	154237	NH PCS and Bedrock Fragments	Clean Earth of Carteret	29.92	
57	11/20/2014	Shirley	AN983X /NJ	20	921936	154242	NH PCS and Bedrock Fragments	Clean Earth of Carteret	35.25	
58	11/20/2014	Shirley	AR602A /NJ	26	921937	154264	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.59	
59	11/20/2014	Shirley	AN396Z /NJ	6	921939	154287	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.6	
60	11/20/2014	Shirley	AP645B /NJ	8	921938	154292	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31	
61	11/21/2014	Shirley	AN982X /NJ	20	921929	154633	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.41	
62	11/21/2014	Shirley	AR922F /NJ	32	921925	154635	NH PCS and Bedrock Fragments	Clean Earth of Carteret	28.83	
63	11/21/2014	Shirley	AD160M /NJ	16	921970	154670	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.32	
64	11/21/2014	Shirley	AS261B /NJ	36	921969	154673	NH PCS and Bedrock Fragments	Clean Earth of Carteret	28.13	
65	11/21/2014	RLS	AP207R /NJ	28	921968	154681	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.15	
66	11/21/2014	Shirley	AN396Z /NJ	6	921967	154689	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.72	
67	11/21/2014	Shirley	AS838B /NJ	40	921940	154723	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.33	
68	11/21/2014	RLS	AP693Y /NJ	68	921989	154726	NH PCS and Bedrock Fragments	Clean Earth of Carteret	28.51	
69	11/21/2014	Shirley	AS838B /NJ	34	921988	154732	NH PCS and Bedrock Fragments	Clean Earth of Carteret	29.6	
70	11/21/2014	Shirley	AR922F /NJ	32	921924	154902	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.48	
71	11/21/2014	Shirley	AP207R /NJ	28	921991	154924	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.34	
72	11/21/2014	Shirley	AP160M /NJ	16	921987	154926	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.88	
73	11/21/2014	Shirley	AS836B /NJ	34	921985	154973	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.52	
74	11/21/2014	JLD	AS109D /NJ	1	921984	154999	NH PCS and Bedrock Fragments	Clean Earth of Carteret	29.36	
75	11/21/2014	RLS	AS253C /NJ	17	921979	155025	NH PCS and Bedrock Fragments	Clean Earth of Carteret	25.02	
76	11/21/2014	Shirley	AN983X /NJ	20	921992	155037	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.61	
77	11/21/2014	Shirley	AN396Z /NJ	6	921983	155044	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.81	
78	11/21/2014	Shirley	AP693Y /NJ	68	921982	155052	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.96	
79	11/21/2014	RLS	AS253C /NJ	17	921990	154734	NH PCS and Bedrock Fragments	Clean Earth of Carteret	27.73	
80	11/21/2014	Shirley	AS838B /NJ	40	921986	154971	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.21	
81	11/24/2014	Shirley	AD160M /NJ	16	921981	156225	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.88	
82	11/24/2014	Shirley	AP752U /NJ	14	921980	156238	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.02	
83	11/24/2014	Shirley	AN938X /NJ	20	921971	156259	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.85	
84	11/24/2014	Shirley	AP646E /NJ	8	921972	156260	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.05	
85	11/24/2014	Shirley	AN397Z /NJ	38	921973	156278	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.29	

Table 1
Waste Disposal Tracking Log Summary
3160 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Load Counter	Date	Trucking Company	Plate #	Truck #	Manifest #	Weight Ticket #	Material Type	Disposal Facility	Tons	Comments
86	11/24/2014	Shirley	AR401C /NJ	48	921974	156296	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.9	
87	11/24/2014	Shirley	AS261B /NJ	36	921975	156321	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.28	
88	11/24/2014	Shirley	AP500J /NJ	10	921976	156365	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.13	
89	11/24/2014	Shirley	AR602A /NJ	26	921977	156366	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.78	
90	11/24/2014	Shirley	AP993P /NJ	18	921978	156420	NH PCS and Bedrock Fragments	Clean Earth of Carteret	29.05	
91	11/24/2014	Shirley	AP160M /NJ	16	922024	156516	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.81	
92	11/24/2014	Shirley	AN983X /NJ	20	922025	156535	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.75	
93	11/24/2014	Shirley	AP645B /NJ	8	922026	156537	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.09	
94	11/24/2014	Shirley	AN397Z /NJ	38	922027	156543	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.94	
95	11/24/2014	Shirley	AP752U /NJ	6	922028	156560	NH PCS and Bedrock Fragments	Clean Earth of Carteret	28.51	
96	11/24/2014	Shirley	AR407C /NJ	48	800105	156596	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.12	
97	11/24/2014	Shirley	AP600J /NJ	10	800107	156622	NH PCS and Bedrock Fragments	Clean Earth of Carteret	29.84	
98	11/24/2014	Shirley	AR602A /NJ	26	800108	156627	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.77	
99	11/24/2014	Shirley	AP993P /NJ	18	800109	156633	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.43	
100	11/25/2014	Shirley	AR602A /NJ	26	922023	156879	NH PCS and Bedrock Fragments	Clean Earth of Carteret	35.6	
101	11/25/2014	Shirley	AP493Y /NJ	68	922017	156885	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.3	
102	11/25/2014	Shirley	AS838B /NJ	40	922018	156914	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.55	
103	11/25/2014	Shirley	AR907C /NJ	48	922019	156916	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.95	
104	11/25/2014	Shirley	AN838X /NJ	20	922020	156979	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.93	
105	11/25/2014	Shirley	AS109D /NJ	1	922012	156980	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.67	
106	11/25/2014	Shirley	AN396Z /NJ	6	922013	157003	NH PCS and Bedrock Fragments	Clean Earth of Carteret	35.09	
107	11/25/2014	Shirley	AS261B /NJ	36	922010	157034	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.51	
108	11/25/2014	Shirley	AR922F /NJ	32	922032	157075	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.91	
109	11/25/2014	Shirley	AP494Y /NJ	4	922033	157078	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.91	
110	11/25/2014	Shirley	AS116B /NJ	12	922031	157080	NH PCS and Bedrock Fragments	Clean Earth of Carteret	35.77	
111	11/25/2014	Shirley	AP207R /NJ	28	922034	157138	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.47	
112	11/25/2014	Shirley	AP993P /NJ	18	922035	157147	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.65	
113	11/25/2014	Shirley	AS837B /NJ	21	922037	157176	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.18	
114	11/25/2014	Shirley	AS253C /NJ	17	922036	157172	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.58	
115	11/25/2014	Shirley	AS836B /NJ	34	922040	157189	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.56	
116	11/25/2014	Shirley	075HIR5	5	922038	157199	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.25	
117	11/25/2014	Shirley	AP161Y /NJ	2	922039	157215	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.64	
118	11/25/2014	Shirley	AR602A /NJ	21	922055	175325	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.7	
119	11/25/2014	Shirley	AP752U /NJ	14	922016	156911	NH PCS and Bedrock Fragments	Clean Earth of Carteret	27.09	
120	1/22/2015	Shirley	AR770E /NJ	32	935293	181561	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.64	
121	1/22/2015	Shirley	AN396Z /NJ	6	935275	181573	NH PCS and Bedrock Fragments	Clean Earth of Carteret	35.4	
122	1/22/2015	Shirley	AS352F /NJ	24	935274	181575	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.94	
123	1/22/2015	Shirley	AR922F /NJ	30	935277	181583	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.6	
124	1/22/2015	Shirley	AR602A /NJ	26	935278	181589	NH PCS and Bedrock Fragments	Clean Earth of Carteret	35.72	
125	1/22/2015	Shirley	AP645E /NJ	8	935276	181600	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.79	
126	1/22/2015	Shirley	AP600J /NJ	10	935279	181629	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.44	
127	1/22/2015	Shirley	AP494Y /NJ	4	935280	181631	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.6	

Table 1
Waste Disposal Tracking Log Summary
3160 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Load Counter	Date	Trucking Company	Plate #	Truck #	Manifest #	Weight Ticket #	Material Type	Disposal Facility	Tons	Comments
128	1/22/2015	Shirley	AR770E /NJ	32	935281	181759	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.28	
129	1/22/2015	Shirley	AN396Z /NJ	6	935282	181799	NH PCS and Bedrock Fragments	Clean Earth of Carteret	39.49	
130	1/22/2015	Shirley	AS352F /NJ	24	935283	181803	NH PCS and Bedrock Fragments	Clean Earth of Carteret	37.94	
131	1/22/2015	Shirley	AP645E /NJ	8	935286	181820	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.55	
132	1/22/2015	Shirley	AR922F /NJ	30	935284	181822	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.95	
133	1/22/2015	Shirley	AP600J /NJ	10	935289	181844	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.74	
134	1/22/2015	Shirley	AP494Y /NJ	4	935288	181850	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.77	
135	1/22/2015	Shirley	AR602A /NJ	26	935285	181853	NH PCS and Bedrock Fragments	Clean Earth of Carteret	38	
136	1/23/2015	Shirley	AP160M /NJ	16	935322	182221	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36	
137	1/23/2015	Shirley	AS109D /NJ	1	935324	182232	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.98	
138	1/23/2015	Shirley	AS261B /NJ	36	935323	182247	NH PCS and Bedrock Fragments	Clean Earth of Carteret	35.84	
139	1/23/2015	Shirley	AP993P /NJ	18	935329	182282	NH PCS and Bedrock Fragments	Clean Earth of Carteret	37.63	
140	1/23/2015	Shirley	AS253C /NJ	17	935328	182285	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.45	
141	1/23/2015	Shirley	AN938X /NJ	20	935325	182292	NH PCS and Bedrock Fragments	Clean Earth of Carteret	38.21	
142	1/23/2015	Shirley	AP161M /NJ	2	935327	182298	NH PCS and Bedrock Fragments	Clean Earth of Carteret	37.35	
143	1/23/2015	Shirley	AP160M /NJ	16	935326	182512	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.13	
144	1/23/2015	Shirley	AP493Y /NJ	68	935330	182523	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.71	
145	1/23/2015	Shirley	AR497C /NJ	48	935331	182526	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.38	
146	1/23/2015	Shirley	AP207R /NJ	28	935332	182537	NH PCS and Bedrock Fragments	Clean Earth of Carteret	35.06	
147	1/23/2015	Shirley	AP161M /NJ	2	900739	182569	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.52	
148	2/20/2015	DI Trucking	AR804C /NJ	8	936583	192815	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.69	
149	2/20/2015	DI Trucking	AS621C /NJ	13	1077736	192820	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.54	
150	2/20/2015	DI Trucking	AR771G /NJ	9	1034777	192836	NH PCS and Bedrock Fragments	Clean Earth of Carteret	35.3	
151	2/20/2015	DI Trucking	AR771G /NJ	9	1034778	192991	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.22	
152	2/20/2015	DI Trucking	AS621C /NJ	13	1077735	193005	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.09	
153	2/20/2015	DI Trucking	AR804C /NJ	8	945526	193135	NH PCS and Bedrock Fragments	Clean Earth of Carteret	37.65	
154	4/9/2015	SINAI Trucking	ACSOSF	222	935320	216059	NH PCS and Bedrock Fragments	Clean Earth of Carteret	37.6	
155	4/9/2015	DI Trucking	JB61705	4	935290	216078	NH PCS and Bedrock Fragments	Clean Earth of Carteret	39.9	
156	4/9/2015	SINAI Trucking	-	-	935321	216087	NH PCS and Bedrock Fragments	Clean Earth of Carteret	39.36	
157	4/9/2015	DI Trucking	AR271G	9	946272	216199	NH PCS and Bedrock Fragments	Clean Earth of Carteret	38.89	
158	4/9/2015	DI Trucking	AS159H	-	946273	216264	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.64	
159	4/9/2015	DI Trucking	AR771G	9	946274	216392	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.32	
160	4/9/2015	SINAI Trucking	AS217M	-	935292	216426	NH PCS and Bedrock Fragments	Clean Earth of Carteret	38.7	
161	4/9/2015	SINAI Trucking	ASS0SF	222	935291	216428	NH PCS and Bedrock Fragments	Clean Earth of Carteret	37.61	
162	4/9/2015	DI Trucking	J361706	-	935319	216434	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.9	
163	4/9/2015	DI Trucking	A5159M	-	997352	216440	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.47	
164	4/9/2015	DI Trucking	AS5159M	-	997351	216454	NH PCS and Bedrock Fragments	Clean Earth of Carteret	35.88	
165	4/9/2015	DI Trucking	AR771G	9	946271	216502	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.98	
166	4/13/2015	Green Outlook	AP1665	39	992337	217580	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.34	
167	4/13/2015	Green Outlook	AP440A	47	905124	217586	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.08	
168	4/13/2015	Green Outlook	AP9205	-	787807	217589	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.01	
169	4/13/2015	Green Outlook	-	38	992330	217593	NH PCS and Bedrock Fragments	Clean Earth of Carteret	24.28	

Table 1
Waste Disposal Tracking Log Summary
3160 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Load Counter	Date	Trucking Company	Plate #	Truck #	Manifest #	Weight Ticket #	Material Type	Disposal Facility	Tons	Comments
170	4/13/2015	Green Outlook	AP7674	44	905125	217607	NH PCS and Bedrock Fragments	Clean Earth of Carteret	29.46	
171	4/13/2015	Green Outlook	AP1665	39	787808	217851	NH PCS and Bedrock Fragments	Clean Earth of Carteret	29.31	
172	4/13/2015	Green Outlook	AP44OX	42	905126	217853	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.57	
173	4/13/2015	Green Outlook	-	-	992328	217877	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.77	
174	4/13/2015	Green Outlook	-	-	787806	217880	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.27	
175	4/13/2015	Green Outlook	AP7674	44	1075114	217932	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.25	
176	4/27/2015	Mendez Trucking	AP5304X	30	889693	225132	NH PCS and Bedrock Fragments	Clean Earth of Carteret	35.8	
177	4/27/2015	Mendez Trucking	AP305X	31	889688	225134	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.31	
178	4/27/2015	Mendez Trucking	AL334N	83	889694	225153	NH PCS and Bedrock Fragments	Clean Earth of Carteret	35.74	
179	4/27/2015	Mendez Trucking	AP278H	-	1081781	225172	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.16	
180	4/27/2015	Mendez Trucking	AN550H	10	1075327	225238	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.3	
181	4/27/2015	Mendez Trucking	AP865R	62	1075115	225241	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.89	
182	4/27/2015	Mendez Trucking	AP304X	30	912344	225348	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.99	
183	4/27/2015	Mendez Trucking	AP305X	31	889687	225371	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.69	
184	4/27/2015	Mendez Trucking	AP468L	1	881690	225453	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.38	
185	4/27/2015	Mendez Trucking	ANSS64	91	889310	225472	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.99	
186	4/27/2015	Mendez Trucking	AK185V	-	945027	225504	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.65	
187	4/27/2015	Mendez Trucking	AN7194	-	882065	225510	NH PCS and Bedrock Fragments	Clean Earth of Carteret	31.04	
188	4/27/2015	Mendez Trucking	AL337N	-	889303	225571	NH PCS and Bedrock Fragments	Clean Earth of Carteret	36.36	
189	4/27/2015	Mendez Trucking	AP304X	30	912343	225583	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.68	
190	4/27/2015	Mendez Trucking	AL334N	83	945029	225648	NH PCS and Bedrock Fragments	Clean Earth of Carteret	34.18	
191	4/27/2015	Mendez Trucking	AS553OD	94	882066	225737	NH PCS and Bedrock Fragments	Clean Earth of Carteret	27.6	
192	4/30/2015	Prince/Green outlook	AP907S	40	1033840	227341	NH PCS and Bedrock Fragments	Clean Earth of Carteret	33.63	
193	4/30/2015	Prince/Green outlook	AP915P	38	1033848	227381	NH PCS and Bedrock Fragments	Clean Earth of Carteret	32.05	
194	4/30/2015	Prince/Green outlook	AP166S	39	1033845	227385	NH PCS and Bedrock Fragments	Clean Earth of Carteret	28.86	
195	4/30/2015	Prince/Green outlook	AP767Y	44	1033846	227418	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.85	
196	4/30/2015	Prince/Green outlook	AP440A	42	1033843	227437	NH PCS and Bedrock Fragments	Clean Earth of Carteret	28.47	
197	4/30/2015	Prince/Green outlook	AP166S	39	1033844	227721	NH PCS and Bedrock Fragments	Clean Earth of Carteret	27.56	
198	4/30/2015	Prince/Green outlook	AP915P	38	1033849	227743	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.65	
199	4/30/2015	Prince/Green outlook	AP767Y	44	1033847	227754	NH PCS and Bedrock Fragments	Clean Earth of Carteret	30.85	
200	4/30/2015	Prince/Green outlook	AP440X	42	1033842	227770	NH PCS and Bedrock Fragments	Clean Earth of Carteret	25.31	

Notes:

NH PA Clean Fill = Non-Hazardous PA Clean Fill

NH PCS and Bedrock Fragments = Non-Hazardous Petroleum Contaminated Soil and Bedrock Fragments

Disposal Facility	Tonnage
Clean Earth of Carteret	5,268.23
Capital Development	1,329.86
Total	6,598.09

Table 2
UST Sample Results Summary - Novemeber 25, 2015
3160-2166 Webster Aveunue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1402108					Result	Q
Lab: Accredited Analytical Resources LLC		Track 4 Site-Specific SCOs			1402108-01	
Client: JOY CONSTRUCTION CORP.					UST-1	
CAS#	Compound		NYRRES	NYURU	11/25/14	
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0358	U
95-50-1	1,2-Dichlorobenzene	NA	100	1.1	0.0358	U
541-73-1	1,3-Dichlorobenzene	NA	49	2.4	0.0358	U
106-46-7	1,4-Dichlorobenzene	NA	13	1.8	0.0358	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0358	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0358	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0358	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0358	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0358	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0358	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0358	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0358	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0358	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0358	U
95-48-7	2-Methylphenol	NA	100	0.33	0.0358	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0358	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0358	U
106-44-5	3 & 4-Methylphenol	NA	100	0.33	0.0358	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.0893	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0358	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0358	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0358	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0358	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0358	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0358	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0358	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0358	U
83-32-9	Acenaphthene	NA	100	20	0.0358	U
208-96-8	Acenaphthylene	NA	100	100	0.0358	U
120-12-7	Anthracene	NA	100	100	0.0358	U
56-55-3	Benzo[a]anthracene	NA	1	1	0.0517	J
50-32-8	Benzo[a]pyrene	NA	1	1	0.0632	J
205-99-2	Benzo[b]fluoranthene	NA	1	1	0.0639	J
191-24-2	Benzo[ghi]perylene	NA	100	100	0.0567	J
207-08-9	Benzo[k]fluoranthene	NA	3.9	0.8	0.0581	J
65-85-0	Benzoic acid	NA	NA	NA	0.0893	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0358	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0358	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0358	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0358	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0358	U

Table 2
UST Sample Results Summary - Novemeber 25, 2015
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1402108					Result	Q
Lab: Accredited Analytical Resources LLC		Track 4 Site-Specific SCOs			1402108-01	
Client: JOY CONSTRUCTION CORP.					UST-1	
CAS#	Compound		NYRRES	NYURU	11/25/14	
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0358	U
218-01-9	Chrysene	NA	3.9	1	0.0657	J
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0358	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0358	U
53-70-3	Dibenzo(a,h)anthracene	NA	0.33	0.33	0.0358	U
132-64-9	Dibenzofuran	NA	59	7	0.0358	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0358	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0358	U
206-44-0	Fluoranthene	NA	100	100	0.0646	J
86-73-7	Fluorene	NA	100	30	0.0358	U
118-74-1	Hexachlorobenzene	NA	1.2	0.33	0.0358	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0358	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0358	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0358	U
193-39-5	Indeno(1,2,3-cd)pyrene	NA	0.5	0.5	0.0481	J
78-59-1	Isophorone	NA	NA	NA	0.0358	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0358	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0358	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0358	U
91-20-3	Naphthalene	NA	100	12	0.0358	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0358	U
87-86-5	Pentachlorophenol	NA	6.7	0.8	0.0358	U
85-01-8	Phenanthrene	NA	100	100	0.0358	U
108-95-2	Phenol	NA	100	0.33	0.0358	U
129-00-0	Pyrene	NA	100	100	0.0750	J
	Total SVOCs	250	NA	NA	0.547	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00108	U
71-55-6	1,1,1-Trichloroethane	NA	100	0.68	0.00108	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00108	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00108	U
75-34-3	1,1-Dichloroethane	NA	26	0.27	0.00108	U
75-35-4	1,1-Dichloroethene	NA	100	0.33	0.00108	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00108	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00108	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00108	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00108	U
95-63-6	1,2,4-Trimethylbenzene	NA	52	NA	0.00108	U
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00108	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00108	U
95-50-1	1,2-Dichlorobenzene	NA	100	1.1	0.00108	U
107-06-2	1,2-Dichloroethane	NA	3.1	0.02	0.00108	U

Table 2
UST Sample Results Summary - Novemeber 25, 2015
3160-2166 Webster Aveunue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1402108					Result	Q
Lab: Accredited Analytical Resources LLC		Track 4 Site-Specific SCOs			1402108-01	
Client: JOY CONSTRUCTION CORP.					UST-1	
CAS#	Compound		NYRRES	NYURU	11/25/14	
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00108	U
108-67-8	1,3,5-Trimethylbenzene	NA	NA	8.4	0.00108	U
541-73-1	1,3-Dichlorobenzene	NA	49	2.4	0.00108	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00108	U
106-46-7	1,4-Dichlorobenzene	NA	13	1.8	0.00108	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00108	U
78-93-3	2-Butanone	NA	100	0.12	0.00108	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00108	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00108	U
591-78-6	2-Hexanone	NA	NA	NA	0.00108	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00108	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00108	U
67-64-1	Acetone	NA	100	0.05	0.00108	U
107-02-8	Acrolein	NA	NA	NA	0.00646	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00215	U
71-43-2	Benzene	NA	4.8	0.06	0.00108	U
108-86-1	Bromobenzene	NA	NA	NA	0.00108	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00108	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00108	U
75-25-2	Bromoform	NA	NA	NA	0.00108	U
74-83-9	Bromomethane	NA	NA	NA	0.00108	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00108	U
56-23-5	Carbon Tetrachloride	NA	2.4	0.76	0.00108	U
108-90-7	Chlorobenzene	NA	100	1.1	0.00108	U
75-00-3	Chloroethane	NA	NA	NA	0.00108	U
67-66-3	Chloroform	NA	49	0.37	0.00108	U
74-87-3	Chloromethane	NA	NA	NA	0.00108	U
156-59-4	cis-1,2-Dichloroethene	NA	100	0.25	0.00108	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00108	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00108	U
74-95-3	Dibromomethane	NA	NA	NA	0.00108	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00108	U
100-41-4	Ethylbenzene	NA	41	1	0.00108	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00108	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00108	U
108-38-3/106-42-3	m,p-Xylenes	NA	50	0.13	0.00215	U
75-09-2	Methylene Chloride	NA	100	0.05	0.00108	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00108	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00108	U
95-47-6	o-Xylene	NA	50	0.13	0.00215	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00108	U
135-98-8	sec-Butylbenzene	NA	100	11	0.00108	U

Table 2
UST Sample Results Summary - Novemeber 25, 2015
3160-2166 Webster Aveunue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1402108					Result	Q
Lab: Accredited Analytical Resources LLC		Track 4 Site-Specific SCOs			1402108-01	
Client: JOY CONSTRUCTION CORP.					UST-1	
CAS#	Compound		NYRRES	NYURU	11/25/14	
100-42-5	Styrene	NA	NA	NA	0.00108	U
98-06-6	tert-Butylbenzene	NA	100	5.9	0.00108	U
127-18-4	Tetrachloroethene	NA	19	1.3	0.00108	U
108-88-3	Toluene	NA	100	0.7	0.00108	U
156-60-5	trans-1,2-Dichloroethene	NA	100	0.19	0.00108	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00108	U
79-01-6	Trichloroethene	NA	21	0.47	0.00108	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00108	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00108	U
75-01-4	Vinyl chloride	NA	0.9	0.02	0.00108	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	92.9	

Notes:

SCOs = Soil Cleanup Objectives

NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)

NYRRES = NY Restricted-Residential Use (Table 375-6.8(b) Dec. 2006)

No compounds were detected exceeding the NYURU, NYRRES, or Track 4 Site-Specific SCOs

Bold = detected compounds

mg/kg = miligram per kilogram

Qualifiers:

E - Concentration exceeds highest calibration standard

B - Indicates compound found in associated blank

D - Indicates result is based on a dilution

H - Alternate peak selection upon analytical review

J - Indicates estimated value for TICs and all results when detected below the RL

U - Indicates compound analyzed for but not detected

NA = Not Applicable

Table 3
Endpoint Sample Results Summary - April 9, 2015
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500519					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC		Track 4 Site-Specific SCOs			1500519-01		1500519-02		1500519-03	
Client: BRINKERHOFF ENVIRONMENTAL					EP-1		EP-2		EP-3	
CAS#	Compound		NYRRES	NYURU	04/09/15		04/09/15		04/09/15	
Sample Depth (feet below grade surface):					12		12		12	
EPA Method SW846 8081/8082 (mg/kg)										
72-54-8	4,4'-DDD	NA	13	0.0033	0.00221		0.00149	U	0.00158	U
72-55-9	4,4'-DDE	NA	8.9	0.0033	0.00149	U	0.00149	U	0.00158	U
50-29-3	4,4'-DDT	NA	7.9	0.0033	0.00456		0.00149	U	0.00722	
309-00-2	Aldrin	NA	0.097	0.005	0.000741	U	0.000740	U	0.000786	U
319-84-6	alpha-BHC	NA	0.48	0.02	0.000741	U	0.000740	U	0.000786	U
5103-71-9	alpha-Chlordane	NA	4.2	0.094	0.00269	P	0.00303		0.0137	P
12674-11-2	Aroclor-1016	NA	1	0.1	0.0186	U	0.0186	U	0.0198	U
11104-28-2	Aroclor-1221	NA	1	0.1	0.0186	U	0.0186	U	0.0198	U
11141-16-5	Aroclor-1232	NA	1	0.1	0.0186	U	0.0186	U	0.0198	U
53469-21-9	Aroclor-1242	NA	1	0.1	0.0186	U	0.0186	U	0.0198	U
12672-29-6	Aroclor-1248	NA	1	0.1	0.0186	U	0.0186	U	0.0198	U
11097-69-1	Aroclor-1254	NA	1	0.1	0.0186	U	0.0186	U	0.0198	U
11096-82-5	Aroclor-1260	NA	1	0.1	0.0186	U	0.0186	U	0.0198	U
37324-23-5	Aroclor-1262	NA	NA	NA	0.0186	U	0.0186	U	0.0198	U
11100-14-4	Aroclor-1268	NA	NA	NA	0.0186	U	0.0186	U	0.0198	U
319-85-7	beta-BHC	NA	0.36	0.036	0.000741	U	0.000740	U	0.000786	U
319-86-8	delta-BHC	NA	100	0.04	0.000741	U	0.000740	U	0.000786	U
60-57-1	Dieldrin	NA	0.2	0.005	0.00149	U	0.00149	U	0.00158	U
959-98-8	Endosulfan I	NA	24	2.4	0.000741	U	0.000740	U	0.000786	U
33213-65-9	Endosulfan II	NA	24	2.4	0.00149	U	0.00149	U	0.00158	U
1031-07-8	Endosulfan sulfate	NA	24	2.4	0.00149	U	0.00149	U	0.00158	U
72-20-8	Endrin	NA	11	0.014	0.00149	U	0.00149	U	0.00158	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00149	U	0.00194		0.00158	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00149	U	0.00149	U	0.00158	U
58-89-9	gamma-BHC [Lindane]	NA	NA	NA	0.000741	U	0.000740	U	0.000786	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000741	U	0.000740	U	0.000786	U
76-44-8	Heptachlor	NA	2.1	0.042	0.000741	U	0.000740	U	0.00135	
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000741	U	0.000740	U	0.000786	U
72-43-5	Methoxychlor	NA	NA	NA	0.00747	U	0.00747	U	0.00793	U
8001-35-2	Toxaphene	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)										
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
95-50-1	1,2-Dichlorobenzene	NA	100	1.1	0.0374	U	0.0373	U	0.0396	U
541-73-1	1,3-Dichlorobenzene	NA	49	2.4	0.0374	U	0.0373	U	0.0396	U
106-46-7	1,4-Dichlorobenzene	NA	13	1.8	0.0374	U	0.0373	U	0.0396	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
95-48-7	2-Methylphenol	NA	100	0.33	0.0374	U	0.0373	U	0.0396	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
106-44-5	3 & 4-Methylphenol	NA	100	0.33	0.0374	U	0.0373	U	0.0396	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.0932	U	0.0930	U	0.0988	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U

Table 3
Endpoint Sample Results Summary - April 9, 2015
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500519					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC		Track 4 Site-Specific SCOs			1500519-01		1500519-02		1500519-03	
Client: BRINKERHOFF ENVIRONMENTAL					EP-1		EP-2		EP-3	
CAS#	Compound		NYRRES	NYURU	04/09/15		04/09/15		04/09/15	
Sample Depth (feet below grade surface):					12		12		12	
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
83-32-9	Acenaphthene	NA	100	20	0.0374	U	0.0373	U	0.0396	U
208-96-8	Acenaphthylene	NA	100	100	0.0374	U	0.0373	U	0.0396	U
120-12-7	Anthracene	NA	100	100	0.0449	J	0.0373	U	0.0396	U
56-55-3	Benzo[a]anthracene	NA	1	1	0.191		0.0695	J	0.112	J
50-32-8	Benzo[a]pyrene	NA	1	1	0.207		0.0781	J	0.133	J
205-99-2	Benzo[b]fluoranthene	NA	1	1	0.189		0.0886	J	0.152	J
191-24-2	Benzo[ghi]perylene	NA	100	100	0.144	J	0.0568	J	0.106	J
207-08-9	Benzo[k]fluoranthene	NA	3.9	0.8	0.228		0.0691	J	0.0952	J
65-85-0	Benzoic acid	NA	NA	NA	0.0932	U	0.0930	U	0.0988	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0640	J	0.0373	U	0.190	J
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0883	J	0.0373	U	0.0881	J
218-01-9	Chrysene	NA	3.9	1	0.221		0.0908	J	0.138	J
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.152	J	0.0373	U	0.0396	U
53-70-3	Dibenzo(a,h)anthracene	NA	0.33	0.33	0.0606	J	0.0373	U	0.0396	U
132-64-9	Dibenzofuran	NA	59	7	0.0374	U	0.0373	U	0.0396	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
206-44-0	Fluoranthene	NA	100	100	0.345		0.153	J	0.187	J
86-73-7	Fluorene	NA	100	30	0.0374	U	0.0373	U	0.0396	U
118-74-1	Hexachlorobenzene	NA	1.2	0.33	0.0374	U	0.0373	U	0.0396	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
193-39-5	Indeno(1,2,3-cd)pyrene	NA	0.5	0.5	0.129	J	0.0478	J	0.0865	J
78-59-1	Isophorone	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
91-20-3	Naphthalene	NA	100	12	0.0374	U	0.0373	U	0.0396	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0374	U	0.0373	U	0.0396	U
87-86-5	Pentachlorophenol	NA	6.7	0.8	0.0374	U	0.0373	U	0.0396	U
85-01-8	Phenanthrene	NA	100	100	0.150	J	0.109	J	0.154	J
108-95-2	Phenol	NA	100	0.33	0.0374	U	0.0373	U	0.0396	U
129-00-0	Pyrene	NA	100	100	0.438		0.184	J	0.270	
	Total SVOCs	250	NA	NA	2.6518		0.9467		1.7118	
Total Mercury by SW846 7471 (mg/kg)										
7439-97-6	Mercury	1.5	0.81	0.18	0.138		0.0841	U	0.110	
Total Metals by EPA Method SW846 6010 (mg/kg)										
7429-90-5	Aluminum	NA	NA	NA	15700		12100		14400	
7440-36-0	Antimony	NA	NA	NA	4.49	U	4.48	U	4.76	U
7440-38-2	Arsenic	NA	16	13	1.78		1.50		2.51	
7440-39-3	Barium	750	400	350	174		126		207	
7440-41-7	Beryllium	NA	72	7.2	0.561	U	0.561	U	0.595	U
7440-43-9	Cadmium	NA	4.3	2.5	0.561	U	0.561	U	0.595	U

Table 3
Endpoint Sample Results Summary - April 9, 2015
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500519					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC		Track 4 Site-Specific SCOs			1500519-01		1500519-02		1500519-03	
Client: BRINKERHOFF ENVIRONMENTAL					EP-1		EP-2		EP-3	
CAS#	Compound		NYRRES	NYURU	04/09/15		04/09/15		04/09/15	
Sample Depth (feet below grade surface):					12		12		12	
7440-70-2	Calcium	NA	NA	NA	5180		2940		12100	
7440-47-3	Chromium	NA	NA	NA	35.3		26.3		34.3	
7440-48-4	Cobalt	NA	NA	NA	12.5		9.88		10.7	
7440-50-8	Copper	500	270	50	34.6		23.8		31.4	
7439-89-6	Iron	NA	NA	NA	27800	D	19600		21700	
7439-92-1	Lead	1000	400	63	86.1		67.1		95.2	
7439-95-4	Magnesium	NA	NA	NA	7780		5270		6580	
7439-96-5	Manganese	NA	2000	1600	393		453		407	
7440-02-0	Nickel	NA	310	30	23.4		21.8		20.5	
9/7/7440	Potassium	NA	NA	NA	4430		2970		4330	
7782-49-2	Selenium	NA	180	3.9	4.49	U	4.48	U	4.76	U
7440-22-4	Silver	NA	180	2	0.561	U	0.561	U	0.595	U
7440-23-5	Sodium	NA	NA	NA	223		155		426	
7440-28-0	Thallium	NA	NA	NA	1.68	U	1.68	U	1.79	U
7440-62-2	Vanadium	NA	NA	NA	51.0		43.9		45.0	
7440-66-6	Zinc	NA	10000	109	92.1		63.6		95.7	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)										
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
71-55-6	1,1,1-Trichloroethane	NA	100	0.68	0.00117	U	0.00112	U	0.00142	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
75-34-3	1,1-Dichloroethane	NA	26	0.27	0.00117	U	0.00112	U	0.00142	U
75-35-4	1,1-Dichloroethene	NA	100	0.33	0.00117	U	0.00112	U	0.00142	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
95-63-6	1,2,4-Trimethylbenzene	NA	52	NA	0.00117	U	0.00112	U	0.00142	U
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
95-50-1	1,2-Dichlorobenzene	NA	100	1.1	0.00117	U	0.00112	U	0.00142	U
107-06-2	1,2-Dichloroethane	NA	3.1	0.02	0.00117	U	0.00112	U	0.00142	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
108-67-8	1,3,5-Trimethylbenzene	NA	NA	8.4	0.00117	U	0.00112	U	0.00142	U
541-73-1	1,3-Dichlorobenzene	NA	49	2.4	0.00117	U	0.00112	U	0.00142	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
106-46-7	1,4-Dichlorobenzene	NA	13	1.8	0.00117	U	0.00112	U	0.00142	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
78-93-3	2-Butanone	NA	100	0.12	0.00117	U	0.00112	U	0.00142	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
591-78-6	2-Hexanone	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
67-64-1	Acetone	NA	100	0.05	0.00395	B	0.00312	B	0.0113	B
107-02-8	Acrolein	NA	NA	NA	0.00701	U	0.00673	U	0.00850	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00234	U	0.00224	U	0.00283	U
71-43-2	Benzene	NA	4.8	0.06	0.00117	U	0.00112	U	0.00142	U
108-86-1	Bromobenzene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
75-25-2	Bromoform	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
74-83-9	Bromomethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U

Table 3
Endpoint Sample Results Summary - April 9, 2015
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500519					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC		Track 4 Site-Specific SCOs			1500519-01		1500519-02		1500519-03	
Client: BRINKERHOFF ENVIRONMENTAL					EP-1		EP-2		EP-3	
CAS#	Compound		NYRRES	NYURU	04/09/15		04/09/15		04/09/15	
Sample Depth (feet below grade surface):					12		12		12	
56-23-5	Carbon Tetrachloride	NA	2.4	0.76	0.00117	U	0.00112	U	0.00142	U
108-90-7	Chlorobenzene	NA	100	1.1	0.00117	U	0.00112	U	0.00142	U
75-00-3	Chloroethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
67-66-3	Chloroform	NA	49	0.37	0.00117	U	0.00112	U	0.00142	U
74-87-3	Chloromethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
156-59-4	cis-1,2-Dichloroethene	NA	100	0.25	0.00117	U	0.00112	U	0.00142	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
74-95-3	Dibromomethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
100-41-4	Ethylbenzene	NA	41	1	0.00117	U	0.00112	U	0.00142	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
108-38-3/106-42-3	m,p-Xylenes	NA	50	0.13	0.00234	U	0.00224	U	0.00283	U
75-09-2	Methylene Chloride	NA	100	0.05	0.00117	U	0.00112	U	0.00142	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00117	U	0.00112	U	0.00142	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
95-47-6	o-Xylene	NA	50	0.13	0.00234	U	0.00224	U	0.00283	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
135-98-8	sec-Butylbenzene	NA	100	11	0.00117	U	0.00112	U	0.00142	U
100-42-5	Styrene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
98-06-6	tert-Butylbenzene	NA	100	5.9	0.00117	U	0.00112	U	0.00142	U
127-18-4	Tetrachloroethene	NA	19	1.3	0.00117	U	0.00112	U	0.00142	U
108-88-3	Toluene	NA	100	0.7	0.00117	U	0.00112	U	0.00142	U
156-60-5	trans-1,2-Dichloroethene	NA	100	0.19	0.00117	U	0.00112	U	0.00142	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
79-01-6	Trichloroethene	NA	21	0.47	0.00117	U	0.00112	U	0.00142	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00117	U	0.00112	U	0.00142	U
75-01-4	Vinyl chloride	NA	0.9	0.02	0.00117	U	0.00112	U	0.00142	U
Wet Chemistry (%)										
	Percent Solids	NA	NA	NA	89.1		89.2		84.0	
Wet Chemistry (mg/kg)										
	Cyanide (total)	NA	27	27	1.12	U	1.12	U	1.19	U

Notes:

SCOs = Soil Cleanup Objectives
 NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
 NYRRES = NY Restricted-Residential Use (Table 375-6.8(b) Dec. 2006)
 No compounds were detected exceeding the NYRRES SCOs or the Track 4 Site-Specific SCOs
 Highlighted yellow = exceeds Track 1 NYURU SCOs
 NA = Not Applicable
 Bold = detected compounds
 mg/kg = miligram per kilogram
 Track 4 Site-Specific SCOs were developed in the Remedial Action Plan, dated December, 2013

Qualifiers:

E - Concentration exceeds highest calibration standard
 B - Indicates compound found in associated blank
 D - Indicates result is based on a dilution
 H - Alternate peak selection upon analytical review
 J - Indicates estimated value for TICs and all results when detected below the RL
 U - Indicates compound analyzed for but not detected

Table 4
Endpoint Sample Results Summary - April 27, 2015
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500663					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1500663-01		1500663-02	
Client: BRINKERHOFF ENVIRONMENTAL		Track 4 Site-Specific SCOs			EP-4		EP-5	
Sample Depth (feet below grade surface)					12		12	
CAS#	Compound		NYRRES	NYURU	04/27/15		04/27/15	
EPA Method SW846 8081/8082 (mg/kg)								
72-54-8	4,4'-DDD	NA	13	0.0033	0.00149	U	0.00148	U
72-55-9	4,4'-DDE	NA	8.9	0.0033	0.00149	U	0.00148	U
50-29-3	4,4'-DDT	NA	7.9	0.0033	0.00149	U	0.00148	U
309-00-2	Aldrin	NA	0.097	0.005	0.000741	U	0.000733	U
319-84-6	alpha-BHC	NA	0.48	0.02	0.000741	U	0.000733	U
5103-71-9	alpha-Chlordane	NA	4.2	0.094	0.00123		0.00300	
12674-11-2	Aroclor-1016	NA	1	0.1	0.0186	U	0.0184	U
11104-28-2	Aroclor-1221	NA	1	0.1	0.0186	U	0.0184	U
11141-16-5	Aroclor-1232	NA	1	0.1	0.0186	U	0.0184	U
53469-21-9	Aroclor-1242	NA	1	0.1	0.0186	U	0.0184	U
12672-29-6	Aroclor-1248	NA	1	0.1	0.0186	U	0.0184	U
11097-69-1	Aroclor-1254	NA	1	0.1	0.0186	U	0.0184	U
11096-82-5	Aroclor-1260	NA	1	0.1	0.0186	U	0.0184	U
37324-23-5	Aroclor-1262	NA	NA	NA	0.0186	U	0.0184	U
11100-14-4	Aroclor-1268	NA	NA	NA	0.0186	U	0.0184	U
319-85-7	beta-BHC	NA	0.36	0.036	0.000741	U	0.000733	U
319-86-8	delta-BHC	NA	100	0.04	0.000741	U	0.000733	U
60-57-1	Dieldrin	NA	0.2	0.005	0.00149	U	0.00148	U
959-98-8	Endosulfan I	NA	24	2.4	0.000741	U	0.000733	U
33213-65-9	Endosulfan II	NA	24	2.4	0.00149	U	0.00148	U
1031-07-8	Endosulfan sulfate	NA	24	2.4	0.00149	U	0.00148	U
72-20-8	Endrin	NA	11	0.014	0.00149	U	0.00148	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00149	U	0.00148	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00149	U	0.00348	P
58-89-9	gamma-BHC [Lindane]	NA	NA	NA	0.000741	U	0.000733	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000741	U	0.000733	U
76-44-8	Heptachlor	NA	2.1	0.042	0.000741	U	0.000733	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000741	U	0.000733	U
72-43-5	Methoxychlor	NA	NA	NA	0.00747	U	0.00739	U
8001-35-2	Toxaphene	NA	NA	NA	0.0374	U	0.0370	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)								
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0374	U	0.0370	U
95-50-1	1,2-Dichlorobenzene	NA	100	1.1	0.0374	U	0.0370	U
541-73-1	1,3-Dichlorobenzene	NA	49	2.4	0.0374	U	0.0370	U
106-46-7	1,4-Dichlorobenzene	NA	13	1.8	0.0374	U	0.0370	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0374	U	0.0370	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0374	U	0.0370	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0374	U	0.0370	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0374	U	0.0370	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0374	U	0.0370	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0374	U	0.0370	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0374	U	0.0370	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0374	U	0.0370	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0374	U	0.0370	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0374	U	0.0370	U
95-48-7	2-Methylphenol	NA	100	0.33	0.0374	U	0.0370	U

Table 4
Endpoint Sample Results Summary - April 27, 2015
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500663					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1500663-01		1500663-02	
Client: BRINKERHOFF ENVIRONMENTAL		Track 4 Site-			EP-4		EP-5	
Sample Depth (feet below grade surface)		Specific			12		12	
CAS#	Compound	SCOs	NYRRES	NYURU	04/27/15		04/27/15	
88-74-4	2-Nitroaniline	NA	NA	NA	0.0374	U	0.0370	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0374	U	0.0370	U
106-44-5	3 & 4-Methylphenol	NA	100	0.33	0.0374	U	0.0370	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.0932	U	0.0921	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0374	U	0.0370	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0374	U	0.0370	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0374	U	0.0370	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0374	U	0.0370	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0374	U	0.0370	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0374	U	0.0370	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0374	U	0.0370	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0374	U	0.0370	U
83-32-9	Acenaphthene	NA	100	20	0.0374	U	0.0644	J
208-96-8	Acenaphthylene	NA	100	100	0.0374	U	0.0370	U
120-12-7	Anthracene	NA	100	100	0.0374	U	0.248	
56-55-3	Benzo[a]anthracene	NA	1	1	0.0374	U	0.567	
50-32-8	Benzo[a]pyrene	NA	1	1	0.0374	U	0.489	
205-99-2	Benzo[b]fluoranthene	NA	1	1	0.0374	U	0.617	
191-24-2	Benzo[ghi]perylene	NA	100	100	0.0374	U	0.177	J
207-08-9	Benzo[k]fluoranthene	NA	3.9	0.8	0.0374	U	0.250	
65-85-0	Benzoic acid	NA	NA	NA	0.0932	U	0.0921	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0374	U	0.0370	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0374	U	0.0370	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0374	U	0.0370	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0374	U	0.0370	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0374	U	0.0370	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0374	U	0.0370	U
218-01-9	Chrysene	NA	3.9	1	0.0374	U	0.517	
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0374	U	0.0370	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0374	U	0.0370	U
53-70-3	Dibenzo(a,h)anthracene	NA	0.33	0.33	0.0374	U	0.0518	J
132-64-9	Dibenzofuran	NA	59	7	0.0374	U	0.0655	J
84-66-2	Diethyl phthalate	NA	NA	NA	0.0374	U	0.0370	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0374	U	0.0370	U
206-44-0	Fluoranthene	NA	100	100	0.0374	U	1.40	
86-73-7	Fluorene	NA	100	30	0.0374	U	0.0980	J
118-74-1	Hexachlorobenzene	NA	1.2	0.33	0.0374	U	0.0370	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0374	U	0.0370	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0374	U	0.0370	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0374	U	0.0370	U
193-39-5	Indeno(1,2,3-cd)pyrene	NA	0.5	0.5	0.0374	U	0.187	
78-59-1	Isophorone	NA	NA	NA	0.0374	U	0.0370	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0374	U	0.0370	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0374	U	0.0370	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0374	U	0.0370	U
91-20-3	Naphthalene	NA	100	12	0.0374	U	0.0566	J
98-95-3	Nitrobenzene	NA	NA	NA	0.0374	U	0.0370	U

Table 4
Endpoint Sample Results Summary - April 27, 2015
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500663					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1500663-01		1500663-02	
Client: BRINKERHOFF ENVIRONMENTAL		Track 4 Site-			EP-4		EP-5	
Sample Depth (feet below grade surface)		Specific			12		12	
CAS#	Compound	SCOs	NYRRES	NYURU	04/27/15		04/27/15	
87-86-5	Pentachlorophenol	NA	6.7	0.8	0.0374	U	0.0370	U
85-01-8	Phenanthrene	NA	100	100	0.0374	U	1.06	
108-95-2	Phenol	NA	100	0.33	0.0374	U	0.0370	U
129-00-0	Pyrene	NA	100	100	0.0374	U	1.09	
	Total SVOCs	250	NA	NA	0		6.9383	
Total Mercury by SW846 7471 (mg/kg)								
7439-97-6	Mercury	1.5	0.81	0.18	0.0903		0.119	
Total Metals by EPA Method SW846 6010 (mg/kg)								
7429-90-5	Aluminum	NA	NA	NA	12000		16300	
7440-36-0	Antimony	NA	NA	NA	4.49	U	4.44	U
7440-38-2	Arsenic	NA	16	13	1.82		3.07	
7440-39-3	Barium	750	400	350	35.1		167	
7440-41-7	Beryllium	NA	72	7.2	0.561	U	0.555	U
7440-43-9	Cadmium	NA	4.3	2.5	0.561	U	0.642	
7440-70-2	Calcium	NA	NA	NA	1220		4580	
7440-47-3	Chromium	NA	NA	NA	27.9		39.6	
7440-48-4	Cobalt	NA	NA	NA	11.4		13.6	
7440-50-8	Copper	500	270	50	20.3		32.4	
7439-89-6	Iron	NA	NA	NA	18000		24300	
7439-92-1	Lead	1000	400	63	4.48		75.3	
7439-95-4	Magnesium	NA	NA	NA	5470		7570	
7439-96-5	Manganese	NA	2000	1600	238		434	
7440-02-0	Nickel	NA	310	30	26.3		25.3	
9/7/7440	Potassium	NA	NA	NA	901		4040	
7782-49-2	Selenium	NA	180	3.9	4.49	U	4.44	U
7440-22-4	Silver	NA	180	2	0.561	U	0.555	U
7440-23-5	Sodium	NA	NA	NA	112		169	
7440-28-0	Thallium	NA	NA	NA	1.68	U	1.66	U
7440-62-2	Vanadium	NA	NA	NA	36.0		57.5	
7440-66-6	Zinc	NA	10000	109	35.0		90.2	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)								
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00112	U	0.00113	U
71-55-6	1,1,1-Trichloroethane	NA	100	0.68	0.00112	U	0.00113	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00112	U	0.00113	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00112	U	0.00113	U
75-34-3	1,1-Dichloroethane	NA	26	0.27	0.00112	U	0.00113	U
75-35-4	1,1-Dichloroethene	NA	100	0.33	0.00112	U	0.00113	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00112	U	0.00113	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00112	U	0.00113	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00112	U	0.00113	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00112	U	0.00113	U
95-63-6	1,2,4-Trimethylbenzene	NA	52	NA	0.00112	U	0.00113	U
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00112	U	0.00113	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00112	U	0.00113	U
95-50-1	1,2-Dichlorobenzene	NA	100	1.1	0.00112	U	0.00113	U
107-06-2	1,2-Dichloroethane	NA	3.1	0.02	0.00112	U	0.00113	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00112	U	0.00113	U

Table 4
Endpoint Sample Results Summary - April 27, 2015
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500663					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1500663-01		1500663-02	
Client: BRINKERHOFF ENVIRONMENTAL		Track 4 Site-			EP-4		EP-5	
Sample Depth (feet below grade surface)		Specific			12		12	
CAS#	Compound	SCOs	NYRRES	NYURU	04/27/15		04/27/15	
108-67-8	1,3,5-Trimethylbenzene	NA	NA	8.4	0.00112	U	0.00113	U
541-73-1	1,3-Dichlorobenzene	NA	49	2.4	0.00112	U	0.00113	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00112	U	0.00113	U
106-46-7	1,4-Dichlorobenzene	NA	13	1.8	0.00112	U	0.00113	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00112	U	0.00113	U
78-93-3	2-Butanone	NA	100	0.12	0.00112	U	0.00113	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00112	U	0.00113	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00112	U	0.00113	U
591-78-6	2-Hexanone	NA	NA	NA	0.00112	U	0.00113	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00112	U	0.00113	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00112	U	0.00113	U
67-64-1	Acetone	NA	100	0.05	0.00112	U	0.00170	J
107-02-8	Acrolein	NA	NA	NA	0.00673	U	0.00680	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00224	U	0.00227	U
71-43-2	Benzene	NA	4.8	0.06	0.00112	U	0.00113	U
108-86-1	Bromobenzene	NA	NA	NA	0.00112	U	0.00113	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00112	U	0.00113	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00112	U	0.00113	U
75-25-2	Bromoform	NA	NA	NA	0.00112	U	0.00113	U
74-83-9	Bromomethane	NA	NA	NA	0.00112	U	0.00113	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00112	U	0.00113	U
56-23-5	Carbon Tetrachloride	NA	2.4	0.76	0.00112	U	0.00113	U
108-90-7	Chlorobenzene	NA	100	1.1	0.00112	U	0.00113	U
75-00-3	Chloroethane	NA	NA	NA	0.00112	U	0.00113	U
67-66-3	Chloroform	NA	49	0.37	0.00112	U	0.00113	U
74-87-3	Chloromethane	NA	NA	NA	0.00112	U	0.00113	U
156-59-4	cis-1,2-Dichloroethene	NA	100	0.25	0.00112	U	0.00113	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00112	U	0.00113	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00112	U	0.00113	U
74-95-3	Dibromomethane	NA	NA	NA	0.00112	U	0.00113	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00112	U	0.00113	U
100-41-4	Ethylbenzene	NA	41	1	0.00112	U	0.00113	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00112	U	0.00113	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00112	U	0.00113	U
108-38-3/106-42-3	m,p-Xylenes	NA	50	0.13	0.00224	U	0.00227	U
75-09-2	Methylene Chloride	NA	100	0.05	0.00112	U	0.00113	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00112	U	0.00113	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00112	U	0.00113	U
95-47-6	o-Xylene	NA	50	0.13	0.00224	U	0.00227	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00112	U	0.00113	U
135-98-8	sec-Butylbenzene	NA	100	11	0.00112	U	0.00113	U
100-42-5	Styrene	NA	NA	NA	0.00112	U	0.00113	U
98-06-6	tert-Butylbenzene	NA	100	5.9	0.00112	U	0.00113	U
127-18-4	Tetrachloroethene	NA	19	1.3	0.00112	U	0.00113	U
108-88-3	Toluene	NA	100	0.7	0.00112	U	0.00113	U
156-60-5	trans-1,2-Dichloroethene	NA	100	0.19	0.00112	U	0.00113	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00112	U	0.00113	U

Table 4
Endpoint Sample Results Summary - April 27, 2015
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500663					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1500663-01		1500663-02	
Client: BRINKERHOFF ENVIRONMENTAL		Track 4 Site-Specific SCOs			EP-4		EP-5	
Sample Depth (feet below grade surface)					12		12	
CAS#	Compound		NYRRES	NYURU	04/27/15		04/27/15	
79-01-6	Trichloroethene	NA	21	0.47	0.00112	U	0.00113	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00112	U	0.00113	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00112	U	0.00113	U
75-01-4	Vinyl chloride	NA	0.9	0.02	0.00112	U	0.00113	U
Wet Chemistry (%)								
	Percent Solids	NA	NA	NA	89.1		90.1	
Wet Chemistry (mg/kg)								
	Cyanide (total)	NA	27	27	1.12	U	1.11	U

Notes:

SCOs = Soil Cleanup Objectives

NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)

NYRRES = NY Restricted-Residential Use (Table 375-6.8(b) Dec. 2006)

No compounds were detected exceeding the NYRRES SCOs or the Track 4 Site-Specific SCOs

Highlighted yellow = exceeds Track 1 NYURU SCOs

NA = Not Applicable

Bold = detected compounds

mg/kg = milligram per kilogram

Track 4 Site-Specific SCOs were developed in the Remedial Action Plan, dated December, 2013

Qualifiers:

E - Concentration exceeds highest calibration standard

B - Indicates compound found in associated blank

D - Indicates result is based on a dilution

H - Alternate peak selection upon analytical review

J - Indicates estimated value for TICs and all results when detected below the RL

U - Indicates compound analyzed for but not detected

Table 5
In-Situ Endpoint Sample Results Summary - September 30 and October 1, 2013
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500663					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1500663-01		1500663-02		1500663-02		1500663-02		1500663-02	
Client: BRINKERHOFF ENVIRONMENTAL		Track 4 Site-Specific SCOs			SB-1B		SB-2B		SB-3B		SB-5B		SB-6B	
Sample Depth (feet below grade surface)					14		19		24		19		18	
CAS#	Compound		NYRRES	NYURU	09/30/13		09/30/13		09/30/13		10/01/13		10/01/13	
EPA Method SW846 8081/8082 (mg/kg)														
72-54-8	4,4'-DDD	NA	13	0.0033	0.00139	U	0.00154	U	0.00145	U	0.00137	U	0.00153	U
72-55-9	4,4'-DDE	NA	8.9	0.0033	0.00139	U	0.00154	U	0.00145	U	0.00137	U	0.00153	U
50-29-3	4,4'-DDT	NA	7.9	0.0033	0.00139	U	0.00154	U	0.00145	U	0.00137	U	0.00153	U
309-00-2	Aldrin	NA	0.097	0.005	0.000688	U	0.000764	U	0.000720	U	0.000678	U	0.000757	U
319-84-6	alpha-BHC	NA	0.48	0.02	0.000688	U	0.000764	U	0.000720	U	0.000678	U	0.000757	U
5103-71-9	alpha-Chlordane	NA	4.2	0.094	0.000688	U	0.000764	U	0.000720	U	0.000678	U	0.000757	U
12674-11-2	Aroclor-1016	NA	1	0.1	0.0173	U	0.0192	U	0.0181	U	0.0171	U	0.0190	U
11104-28-2	Aroclor-1221	NA	1	0.1	0.0173	U	0.0192	U	0.0181	U	0.0171	U	0.0190	U
11141-16-5	Aroclor-1232	NA	1	0.1	0.0173	U	0.0192	U	0.0181	U	0.0171	U	0.0190	U
53469-21-9	Aroclor-1242	NA	1	0.1	0.0173	U	0.0192	U	0.0181	U	0.0171	U	0.0190	U
12672-29-6	Aroclor-1248	NA	1	0.1	0.0173	U	0.0192	U	0.0181	U	0.0171	U	0.0190	U
11097-69-1	Aroclor-1254	NA	1	0.1	0.0173	U	0.0192	U	0.0181	U	0.0171	U	0.0190	U
11096-82-5	Aroclor-1260	NA	1	0.1	0.0173	U	0.0192	U	0.0181	U	0.0171	U	0.0190	U
37324-23-5	Aroclor-1262	NA	NA	NA	0.0173	U	0.0192	U	0.0181	U	0.0171	U	0.0190	U
11100-14-4	Aroclor-1268	NA	NA	NA	0.0173	U	0.0192	U	0.0181	U	0.0171	U	0.0190	U
319-85-7	beta-BHC	NA	0.36	0.036	0.000688	U	0.000764	U	0.000720	U	0.000678	U	0.000757	U
319-86-8	delta-BHC	NA	100	0.04	0.000688	U	0.000764	U	0.000720	U	0.000678	U	0.000757	U
60-57-1	Dieldrin	NA	0.2	0.005	0.00139	U	0.00154	U	0.00145	U	0.00137	U	0.00153	U
959-98-8	Endosulfan I	NA	24	2.4	0.000688	U	0.000764	U	0.000720	U	0.000678	U	0.000757	U
33213-65-9	Endosulfan II	NA	24	2.4	0.00139	U	0.00154	U	0.00145	U	0.00137	U	0.00153	U
1031-07-8	Endosulfan sulfate	NA	24	2.4	0.00139	U	0.00154	U	0.00145	U	0.00137	U	0.00153	U
72-20-8	Endrin	NA	11	0.014	0.00139	U	0.00154	U	0.00145	U	0.00137	U	0.00153	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00139	U	0.00154	U	0.00145	U	0.00137	U	0.00153	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00139	U	0.00154	U	0.00145	U	0.00137	U	0.00153	U
58-89-9	gamma-BHC [Lindane]	NA	NA	NA	0.000688	U	0.000764	U	0.000720	U	0.000678	U	0.000757	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000688	U	0.000764	U	0.000720	U	0.000678	U	0.000757	U
76-44-8	Heptachlor	NA	2.1	0.042	0.000688	U	0.000764	U	0.000720	U	0.000678	U	0.000757	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000688	U	0.000764	U	0.000720	U	0.000678	U	0.000757	U
72-43-5	Methoxychlor	NA	NA	NA	0.00694	U	0.00771	U	0.00726	U	0.00684	U	0.00764	U
8001-35-2	Toxaphene	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)														
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
95-50-1	1,2-Dichlorobenzene	NA	100	1.1	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
541-73-1	1,3-Dichlorobenzene	NA	49	2.4	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U

Table 5
In-Situ Endpoint Sample Results Summary - September 30 and October 1, 2013
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500663					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1500663-01		1500663-02		1500663-02		1500663-02		1500663-02	
Client: BRINKERHOFF ENVIRONMENTAL	Track 4 Site-Specific SCOs				SB-1B		SB-2B		SB-3B		SB-5B		SB-6B	
Sample Depth (feet below grade surface)					14		19		24		19		18	
CAS#		Compound	NYRRES	NYURU	09/30/13		09/30/13		09/30/13		10/01/13		10/01/13	
106-46-7	1,4-Dichlorobenzene	NA	13	1.8	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.133	J	0.0382	U
95-48-7	2-Methylphenol	NA	100	0.33	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
106-44-5	3 & 4-Methylphenol	NA	100	0.33	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.0865	U	0.0961	U	0.0905	U	0.0853	U	0.0952	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
83-32-9	Acenaphthene	NA	100	20	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
208-96-8	Acenaphthylene	NA	100	100	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
120-12-7	Anthracene	NA	100	100	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
56-55-3	Benzo[a]anthracene	NA	1	1	0.0347	U	0.0385	U	0.0363	U	0.0397	J	0.0382	U
50-32-8	Benzo[a]pyrene	NA	1	1	0.0347	U	0.0385	U	0.0363	U	0.0442	J	0.0382	U
205-99-2	Benzo[b]fluoranthene	NA	1	1	0.0347	U	0.0385	U	0.0374	J	0.0442	J	0.0382	U
191-24-2	Benzo[ghi]perylene	NA	100	100	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
207-08-9	Benzo[k]fluoranthene	NA	3.9	0.8	0.0347	U	0.0385	U	0.0363	U	0.0428	J	0.0382	U
65-85-0	Benzoic acid	NA	NA	NA	0.0865	U	0.0961	U	0.0905	U	0.0853	U	0.0952	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U

Table 5
In-Situ Endpoint Sample Results Summary - September 30 and October 1, 2013
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500663					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1500663-01		1500663-02		1500663-02		1500663-02		1500663-02	
Client: BRINKERHOFF ENVIRONMENTAL		Track 4 Site-Specific SCOs			SB-1B		SB-2B		SB-3B		SB-5B		SB-6B	
Sample Depth (feet below grade surface)					14		19		24		19		18	
CAS#	Compound		NYRRES	NYURU	09/30/13		09/30/13		09/30/13		10/01/13		10/01/13	
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
218-01-9	Chrysene	NA	3.9	1	0.0347	U	0.0385	U	0.0447	J	0.0606	J	0.0382	U
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
53-70-3	Dibenzo(a,h)anthracene	NA	0.33	0.33	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
132-64-9	Dibenzofuran	NA	59	7	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
206-44-0	Fluoranthene	NA	100	100	0.0347	U	0.0385	U	0.0622	J	0.0887	J	0.0382	U
86-73-7	Fluorene	NA	100	30	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
118-74-1	Hexachlorobenzene	NA	1.2	0.33	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
193-39-5	Indeno(1,2,3-cd)pyrene	NA	0.5	0.5	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
78-59-1	Isophorone	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
91-20-3	Naphthalene	NA	100	12	0.0347	U	0.0385	U	0.0363	U	0.0624	J	0.0382	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
87-86-5	Pentachlorophenol	NA	6.7	0.8	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
85-01-8	Phenanthrene	NA	100	100	0.0347	U	0.0385	U	0.0363	U	0.0863	J	0.0382	U
108-95-2	Phenol	NA	100	0.33	0.0347	U	0.0385	U	0.0363	U	0.0342	U	0.0382	U
129-00-0	Pyrene	NA	100	100	0.0347	U	0.0385	U	0.0556	J	0.0915	J	0.0382	U
	Total SVOCs	250	NA	NA	0.00		0.00		0.1999		0.3221		0.00	
Total Mercury by SW846 7471 (mg/kg)														
7439-97-6	Mercury	1.5	0.81	0.18	0.0782	U	0.0868	U	0.0818	U	0.0771	U	0.0860	U
Total Metals by EPA Method SW846 6010 (mg/kg)														
7429-90-5	Aluminum	NA	NA	NA	9690		14700		16400		10200		16100	
7440-36-0	Antimony	NA	NA	NA	6.26	U	6.94	U	6.54	U	6.17	U	6.88	U
7440-38-2	Arsenic	NA	16	13	3.82		5.59		3.01		3.90		5.66	

Table 5
In-Situ Endpoint Sample Results Summary - September 30 and October 1, 2013
3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500663					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1500663-01		1500663-02		1500663-02		1500663-02		1500663-02	
Client: BRINKERHOFF ENVIRONMENTAL	Track 4 Site-Specific SCOs				SB-1B		SB-2B		SB-3B		SB-5B		SB-6B	
Sample Depth (feet below grade surface)					14		19		24		19		18	
CAS#		Compound	NYRRES	NYURU	09/30/13		09/30/13		09/30/13		10/01/13		10/01/13	
7440-39-3		Barium	750	400	350	107		83.9		222		73.8		46.0
7440-41-7		Beryllium	NA	72	7.2	0.521	U	0.579	U	0.545	U	0.514	U	0.573
7440-43-9		Cadmium	NA	4.3	2.5	0.521	U	0.579	U	0.591		0.548		0.573
7440-70-2		Calcium	NA	NA	NA	2490		703		3970		17100		780
7440-47-3		Chromium	NA	NA	NA	25.7		20.8		28.4		22.4		21.6
7440-48-4		Cobalt	NA	NA	NA	9.11		7.93		14.4		6.99		9.04
7440-50-8		Copper	500	270	50	28.6		9.46		26.9		16.7		9.30
7439-89-6		Iron	NA	NA	NA	17400		20800		31100	D	15700		22700
7439-92-1		Lead	1000	400	63	64.7		13.0		8.02		54.2		8.89
7439-95-4		Magnesium	NA	NA	NA	5190		3210		8400		5140		3730
7439-96-5		Manganese	NA	2000	1600	242		311		228		263		393
7440-02-0		Nickel	NA	310	30	18.4		13.4		23.7		13.5		13.9
9/7/7440		Potassium	NA	NA	NA	3200		711		6690		1340		799
7782-49-2		Selenium	NA	180	3.9	4.17	U	4.63	U	4.36	U	4.11	U	4.59
7440-22-4		Silver	NA	180	2	1.43		1.72		1.76		1.24		1.79
7440-23-5		Sodium	NA	NA	NA	139		80.6		135		197		68.1
7440-28-0		Thallium	NA	NA	NA	1.56	U	1.74	U	1.64	U	1.54	U	1.72
7440-62-2		Vanadium	NA	NA	NA	36.8		29.6		52.1		30.8		33.3
7440-66-6		Zinc	NA	10000	109	55.1		39.2		61.0		43.5		39.5
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)														
630-20-6		1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
71-55-6		1,1,1-Trichloroethane	NA	100	0.68	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
79-34-5		1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
79-00-5		1,1,2-Trichloroethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
75-34-3		1,1-Dichloroethane	NA	26	0.27	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
75-35-4		1,1-Dichloroethene	NA	100	0.33	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
563-58-6		1,1-Dichloropropene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
87-61-6		1,2,3-Trichlorobenzene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
96-18-4		1,2,3-Trichloropropane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
120-82-1		1,2,4-Trichlorobenzene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
95-63-6		1,2,4-Trimethylbenzene	NA	52	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
96-12-8		1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
106-93-4		1,2-Dibromoethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
95-50-1		1,2-Dichlorobenzene	NA	100	1.1	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119
107-06-2		1,2-Dichloroethane	NA	3.1	0.02	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119

Table 5
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3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500663					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1500663-01		1500663-02		1500663-02		1500663-02		1500663-02	
Client: BRINKERHOFF ENVIRONMENTAL		Track 4 Site-Specific SCOs			SB-1B		SB-2B		SB-3B		SB-5B		SB-6B	
Sample Depth (feet below grade surface)					14		19		24		19		18	
CAS#	Compound		NYRRES	NYURU	09/30/13		09/30/13		09/30/13		10/01/13		10/01/13	
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
108-67-8	1,3,5-Trimethylbenzene	NA	NA	8.4	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
541-73-1	1,3-Dichlorobenzene	NA	49	2.4	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
106-46-7	1,4-Dichlorobenzene	NA	13	1.8	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
78-93-3	2-Butanone	NA	100	0.12	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
591-78-6	2-Hexanone	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
67-64-1	Acetone	NA	100	0.05	0.0108	B	0.00841	B	0.00740	B	0.0151	B	0.00951	B
107-02-8	Acrolein	NA	NA	NA	0.00802	U	0.00868	U	0.00696	U	0.00734	U	0.00717	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00267	U	0.00289	U	0.00232	U	0.00245	U	0.00239	U
71-43-2	Benzene	NA	4.8	0.06	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
108-86-1	Bromobenzene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
75-25-2	Bromoform	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
74-83-9	Bromomethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
56-23-5	Carbon Tetrachloride	NA	2.4	0.76	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
108-90-7	Chlorobenzene	NA	100	1.1	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
75-00-3	Chloroethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
67-66-3	Chloroform	NA	49	0.37	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
74-87-3	Chloromethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
156-59-4	cis-1,2-Dichloroethene	NA	100	0.25	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
74-95-3	Dibromomethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
100-41-4	Ethylbenzene	NA	41	1	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U

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3160-2166 Webster Avenue, Bronx, New York
Brinkerhoff Project No: 13BR116

Work Order 1500663					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1500663-01		1500663-02		1500663-02		1500663-02		1500663-02	
Client: BRINKERHOFF ENVIRONMENTAL		Track 4 Site-Specific SCOs			SB-1B		SB-2B		SB-3B		SB-5B		SB-6B	
Sample Depth (feet below grade surface)					14		19		24		19		18	
CAS#	Compound		NYRRES	NYURU	09/30/13		09/30/13		09/30/13		10/01/13		10/01/13	
108-38-3/106-42-3	m,p-Xylenes	NA	50	0.13	0.00267	U	0.00289	U	0.00232	U	0.00245	U	0.00239	U
75-09-2	Methylene Chloride	NA	100	0.05	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
95-47-6	o-Xylene	NA	50	0.13	0.00267	U	0.00289	U	0.00232	U	0.00245	U	0.00239	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
135-98-8	sec-Butylbenzene	NA	100	11	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
100-42-5	Styrene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
98-06-6	tert-Butylbenzene	NA	100	5.9	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
127-18-4	Tetrachloroethene	NA	19	1.3	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
108-88-3	Toluene	NA	100	0.7	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
156-60-5	trans-1,2-Dichloroethene	NA	100	0.19	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
79-01-6	Trichloroethene	NA	21	0.47	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
75-01-4	Vinyl chloride	NA	0.9	0.02	0.00134	U	0.00145	U	0.00116	U	0.00122	U	0.00119	U
Wet Chemistry (%)														
	Percent Solids	NA	NA	NA	95.9		86.4		91.7		97.3		87.2	
Wet Chemistry (mg/kg)														
	Cyanide (total)	NA	27	27	1.04	U	1.16	U	1.09	U	1.03	U	1.15	U

Notes:

SCOs = Soil Cleanup Objectives

NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)

NYRRES = NY Restricted-Residential Use (Table 375-6.8(b) Dec. 2006)

No compounds were detected above the NYRRES SCOs or the Track 4 Site-Specific SCOs

Highlighted yellow= exceeds Track 1 NYURU SCOs

Highlighted gray = Compound was not detected, but the Method Detection Limit (MDL) was above the NYURU SCOs.

NA = Not Applicable

Bold = detected compounds

mg/kg = miligram per kilogram

Qualifiers:

E - Concentration exceeds highest calibration standard

B - Indicates compound found in associated blank

D - Indicates result is based on a dilution

H - Alternate peak selection upon analytical review

J - Indicates estimated value for TICs and all results when detected below the RL

U - Indicates compound analyzed for but not detected