83 BUSHWICK PLACE
AKA 225-227 BOERUM STREET, BROOKLYN, NY
BLOCK 3073, LOT 97

Remedial Action Report

NYC VCP Project Number 14CVCP221K
OER Project Number 14RHAZ180K

Prepared For:

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LIST OF ACRONYMS

Acronym	Definition
CAMP	Community Air Monitoring Plan
DER-10	NYS DEC Division of Environmental Remediation Technical Guidance Manual 10
EC	Engineering Control
HASP	Health and Safety Plan
IC	Institutional Control
NYC VCP	New York City Voluntary Cleanup Program
NYC DEP	New York City Department of Environmental Protection
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
ORC	Oxygen Release Compound
PID	Photoionization Detector
QA/QC	Quality Assurance/Quality Control
QEP	Qualified Environmental Professional
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan
SCG	Standards, Criteria and Guidance
SCO	Soil Cleanup Objective
SMMP	Soil/Materials Management Plan
SMP	Site Management Plan
SVOCs	Semi-Volatile Organic Compounds
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

CERTIFICATION

I, Shaik A. Saad, certify the following:

- I am currently a registered professional engineer licensed by the State of New York.
- I performed professional engineering services and I had primary direct responsibility for implementation of the remedial program for the 83 Bushwick Place Site 14CVCP221K.
- I have reviewed this document, to which my signature and seal are affixed.
- Engineering Controls implemented during this remedial action were designed by me or a person under my direct supervision and achieve the goals established in the Remedial Action Work Plan for this site.
- The Engineering Controls constructed during this remedial action were professionally observed by me or by a person under my direct supervision and (1) are consistent with the Engineering Control design established in the Remedial action Work Plan and (2) are accurately reflected in the text and drawings for as-built design reported in this Remedial Action Report.

_____
Name

_____
PE License Number

_____
Signature

_____
Date

PE Stamp

I, Mark E. Robbins, certify the following:

- Iam a Qualified Environmental Professional.
- I had primary direct responsibility for implementation remedial program for the 83 Bushwick Place Site 14CVCP221K.
- The OER-approved Remedial Action Work Plan dated January 13, 2014 and Stipulations in a letter dated February 27, 2014 were implemented and that all requirements in those documents have been substantively complied with.
- Contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

_____
QEP Name

_____
QEP Signature

_____
Date

EXECUTIVE SUMMARY

DJS Real Estate Development has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 5,559-square foot site located at 83 Bushwick Place (aka 225-227 Boerum Street) in Brooklyn, New York. A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop a Remedial Action Work Plan (RAWP). A remedial action was performed pursuant to an OER-approved RAWP in a manner that has rendered the Site protective of public health and the environment consistent with the proposed use of the property. This RAR describes the remedial action performed under the RAWP. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

Site Location and Prior Usage

The Site is located at 225-227 Boerum Street (aka 83 Bushwick Place) in East Williamsburg section of Brooklyn, New York and is identified as Block 3073 and Lot 97 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 5,559-square feet and is bounded by Bushwick Place to the west, Boerum Street to the south, a 2-story residential building to the east, and a 2-story warehouse to the north. A map of the site boundary is shown in Figure 2. The Site was utilized as a residence facility between 1933 and 1951 and mixed use residential and store facility between 1965 and 1981. The Site was vacant and undeveloped between 1992 and 1995 and was utilized as a parking lot in 2005. The Site has been vacant since 2007 until immediately prior to construction.

Summary of Redevelopment Plan

The use of the Site consists of a 4-story residential building with 20 dwelling units and a full cellar. The building is identified as 83 Bushwick Place, Brooklyn NY. The development occupies the entire property footprint for a total gross floor area of approximately 13,191 square feet. The cellar at the site consists of a mechanical space and a parking garage. A parking ramp and the cellar occupies the entire Site foot print (5,559 square feet). The elevation of the cellar slab is set at approximately 11.49 feet below grade or 10 feet below the first floor slab. The cellar slab is approximately 6 inches in thickness, and it was installed on top of a 6-inch gravel bed. There is no open space remaining on this site.

Summary of Surrounding Property

The Site is located in a residential, commercial and light manufacturing/industrial neighborhood. The site is bounded by Bushwick Place to the west, and Boerum Street to the south. A 2-story residential building bounds the Site to the east, a 2-story warehouse bounds the Site to north. A parking lot is located across Bushwick Place to the west of the Site, and multiple residential buildings and a light manufacturing facility are located across Boerum Street to the south

Within 500 feet radius of the Site, there are a variety of land uses including: residential (multi-story residential apartments), commercial, light manufacturing/industrial, vacant lots, parking, public transportation storage yard, public educational institution (Brooklyn Latin High School – PS 147) and open space. Properties located within 1/4-mile radius of the Site are zoned R6, R6A, R7A (residential districts), C1-3, C2-3 (commercial district) and M1-1 and M1-2 (light manufacturing and industrial district). Within 250 feet radius of the Site, one sensitive receptor identified as an outdoor recreational facility owned by the Board of Education is located in the southwestern vicinity of the Site. No other sensitive receptors were identified. A map of the site boundary is shown in Figure 2.

Summary of Past Uses of Site and Areas of Concern

Based upon the review of the Fire Insurance Maps and Regulatory Agency documents from the Phase I Environmental Site Assessment (ESA) Report prepared by Merritt Engineering Consultants, P.C. in January 2005, a Site history was established. The Site was utilized as a residential facility between 1933 and 1951 and mixed use residential and store facility between 1965 and 1981. The Site was vacant and undeveloped between 1992 and 1995 and was utilized as a parking lot in 2005. The Site has been vacant since at least 1992.

The AOCs identified for this site include:

1. Historic fill material present throughout the Site from surface to the depths of 8 feet.

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a Ground Penetrating Radar (GPR) survey;
3. Installed five (5) soil borings across the entire project Site, and collected ten (10) soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed two (2) groundwater probes throughout the Site and collected two (2) groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed three (3) soil vapor probes around Site perimeter and collected three (3) samples for chemical analysis;
6. One (1) outdoor air sample was collected for chemical analysis.

Summary of Environmental Findings

1. No anomalies consistent with USTs were identified at the Site by the GPR survey.
2. Elevation of the property is approximately 24 feet.
3. Depth to groundwater ranges from 20 to 21 feet at the Site.
4. Groundwater flow is generally from east to west in the direction of the East River.
5. Depth to bedrock is in excess of 10 feet at the Site.
6. The stratigraphy of the site, from the surface down, consists of historic fill with variable thickness ranging between zero and 8 feet (brown fine grained sand with varying amounts of bricks and pebbles). The fill layer is underlain by a layer of sand to variable depths ranging from 2 to 10 feet bgs (brown fine to coarse grained sand with varying amount of pebbles).
7. Soil/fill samples collected during the RI show trace levels of one VOC, isoptopyltoluene in one shallow soil sample at a concentration below Track 1 Unrestricted Use SCO (UUSCO). No PCE or TCE were detected in any shallow or deep soil samples. SVOC's including benzo(a)pyrene (max. of 1.14 parts per million (ppm)), benzo(b)fluoranthene (max. of 1.07 ppm) and indeno(1,2,3-cd) pyrene (max. of 0.977 ppm) were detected in

two deep and one shallow samples, at concentrations that exceeded Restricted Residential SCOs. One pesticide, 4,4, DDT (0.0525 ppm), was detected in 1 of 5 shallow soil samples and in 1 of 5 deep samples at concentrations that exceeded Unrestricted Use SCOs. There were no PCBs detected in any of ten soil samples. Several Metals exceeded Unrestricted Use SCOs in shallow and deep soils at the Site and included barium (maximum of 454 ppm), lead (maximum of 421 ppm), zinc (maximum of 241 ppm) and mercury (maximum of 1.58 ppm). Barium, lead and mercury also exceeded Restricted Residential SCOs in shallow soils. Only lead exceeded Restricted Residential SCOs in one deep sample (6-8' depths). Overall soil chemistry was unremarkable and does not indicate disposal of hazardous waste.

8. Groundwater samples collected during the RI show one chlorinated VOC, TCE (max. 10.7 µg/L) exceeding NYSDEC 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). A gasoline VOC, methyl tert-butyl ether was detected in 1 groundwater sample below its GQS. One SVOCs, bis(2-ethylhexyl) phthalate (max 10.8 µg/L) was detected in the 2 groundwater samples at concentrations exceeding GQS. No pesticide or PCBs were detected in any groundwater samples. Dissolved metals were not analyzed during the RI investigation. Several total metals exceeded their respective GQS.

9. Soil vapor samples collected during the RI show a wide range of compounds throughout the property including BTEX and associated petroleum related compounds as well as chlorinated hydrocarbons. BTEX and associated derivatives were found in all 3 soil vapor samples. The concentration of these compounds ranged from 0.69 ug/m^3 to 100 ug/m^3. These compounds were not detected in the soil or groundwater samples collected beneath the property and are not believed to be associated with an on-site source area. Among the chlorinated compounds, PCE was detected in 1 of 3 vapor samples at a concentration of 54 ug/m^3 and 1,1,1-TCA was also detected in 1 of 3 vapor samples at a concentration of 16 ug/m^3. TCE was detected in the vapor samples at a maximum concentration of 8.3 ug/m^3. Other chlorinated hydrocarbon compounds that were identified in soil vapor samples included carbon tetrachloride (0.45 ug/m^3), methylene chloride (13 ug/m^3) and acetone (maximum 220 ug/m^3). The NYSDOH has established AGVs for three of the chlorinated VOCs analyzed: PCE, 111-TCA, and methylene

chloride. The PCE and TCA concentrations are below the monitoring level ranges established within the State DOH soil vapor guidance matrix.

10. An outdoor air sample collected during the RI showed a total BTEX concentration of 27 ug/m^3. Chlorinated compounds were detected in outdoor air including: PCE (3.0 ug/m3), chloroform (0.65 ug/m3), methylene chloride (3.1 ug/m3), and carbon tetrachloride (1.2 ug/m3). Acetone was the most abundant in the outdoor air sample and it was detected at a maximum concentration of 17 ug/m^3.

For more detailed results, consult the RIR. Based on an evaluation of the data and information from the RIR and the RAWP, it was determined that disposal of significant amounts of hazardous waste would not occur at the Site.

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: A Pre-Application Meeting was held October 9, 2013. A Remedial Investigation (RI) was performed in July 2014. A RI Report was prepared to evaluate data and information necessary to develop a Remedial Action Work Plan (RAWP). A Site Contact List was established. A RAWP was prepared and released with a Fact Sheet on January 22, 2014 for a 30-day public comment period. The RAWP and Stipulation List dated February 27, 2014 was approved by the New York City Office of Environmental Remediation (OER) on March 26, 2014. A Pre-Construction Meeting was held October 28, 2014. A Fact Sheet providing notice of the start of the remedial action was issued in October 2014. The remedial action was begun in December 2014 and completed in April 2015.

The remedial action consisted of the following tasks:

1. Prepared a Community Protection Statement and performed all required NYC VCP citizen participation activities according to the approved Citizen Participation Plan (CPP);
2. Performed a Community Air Monitoring Program for particulates and volatile organic carbon compounds;
3. Established Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs);
4. Site mobilization, involved Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas;
5. Excavated soil/fill to a depth of approximately 12 feet below grade over the entire footprint of the site (a total of approximately 3,341.05 tons of soil/fill was disposed of off-site);
6. Excavated soil/fill was screened during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID. Excavated media was segregated onsite as needed;
7. Three (3) unknown USTs were discovered and removed from the Site. The USTs included two 275-gallon fuel oil USTs and one 550-gallon fuel oil UST. The USTs were removed in compliance with applicable local, State, and Federal laws and regulations (no spills were encountered);
8. All soil/fill material was transported and disposed of off-site at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Excavated media was sampled and analyzed as required by disposal facilities. Appropriate segregation of excavated media onsite occurred;
9. Six (6) end-point soil samples were collected and analyzed to determine the performance of the remedy with respect to attainment of SCOs. Based upon review of the end-point soil sample analytical data, Track 1 remediation was achieved;
10. Approximately 295 cubic yards of clean soil backfill was imported for backfill in compliance with the Remedial Action Work Plan and in accordance with applicable laws

and regulations. The soil backfill was placed offsite beneath the sidewalk. Crushed stone and RCA were imported for use as a sub-base for the composite cover;

11. Storm-water pollution prevention measures were implemented in compliance with applicable laws and regulations;
12. All activities required for the remedial action, including permitting requirements and pretreatment requirements, were performed in compliance with applicable laws and regulations;
13. As part of development, a vapor barrier/waterproofing membrane beneath the building slab and behind the foundation walls of the constructed building was installed. 20-mil Vapor Block Plus 20 was installed beneath the building slab. The vapor barrier extends up to grade level and is attached to the exterior sides of foundation walls.
14. As part of development, an engineered composite cover consisting of a 6-inch thick concrete slab across the footprint of the new building over the entire property was installed on top of a 6-inch gravel bed;
15. As part of development, a sub-grade air exchange and ventilation system in the parking cellar was installed in accordance with the NYC Department of Building's Code;
16. Submitted a Sustainability Report.
17. Submitted an RAR that describes the Remedial Action; certifies that the remedial requirements defined in the RAWP have been achieved; defines the Site boundaries; and lists any changes from this RAWP.

REMEDIAL ACTION REPORT

1.0 SITE BACKGROUND

Enrollee has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a property located at address in neighborhood section of borough, New York. The boundary of the property subject to this Remedial Action is shown in Figure 1 and includes, in its entirety, Brooklyn Block 3073 and Lot 97. The Remedial Action was performed pursuant to the OER-approved RAWP in a manner that has rendered the property protective of public health and the environment consistent with its intended use. This RAR describes the remedial action performed under the RAWP. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 Site Location and Prior Usage

The Site is located at 225-227 Boerum Street (aka 83 Bushwick Place) in the East Williamsburg section of Brooklyn, New York and is identified as Block 3073 and Lot 97 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 5,559-square feet and is bounded by Bushwick Place to the west, Boerum Street to the south, a 2-story residential building to the east, and a 2-story warehouse to the north. A map of the site boundary is shown in Figure 2. The Site was utilized as a residence facility between 1933 and 1951 and mixed use residential and store facility between 1965 and 1981. The Site was vacant and undeveloped between 1992 and 1995 and was utilized as a parking lot in 2005. The Site has been vacant since 2007 until immediately prior to construction.

1.2 Redevelopment Plan

The use of the Site consists of a 4-story residential building with 20 dwelling units and a full cellar. The building is identified as 83 Bushwick Place, Brooklyn NY. The development occupies the entire property footprint for a total gross floor area of approximately 13,191 square feet. The cellar at the site consists of a mechanical space and a parking garage. A parking ramp and the cellar occupies the entire Site foot print (5,559 square feet). The elevation of the cellar slab is set at approximately 11.49 feet below grade or 10 feet below the first floor slab. The

cellar slab is approximately 6 inches in thickness and it was installed on top of a 6-inch gravel bed. There is no open space remaining on this site.

1.3 Description of Surrounding Property

The Site is located in a residential, commercial and light manufacturing/industrial neighborhood. The site is bounded by Bushwick Place to the west, and Boerum Street to the south. A 2-story residential building bounds the Site to the east, and a 2-story warehouse bounds the Site to north. A parking lot is located across Bushwick Place to the west of the Site, and multiple residential buildings and a light manufacturing facility are located across Boerum Street to the south.

Within a 500 feet radius of the Site, there are a variety of land uses including: residential (multi-story residential apartments), commercial, light manufacturing/industrial, vacant lots, parking, a public transportation storage yard, public educational institution (Brooklyn Latin High School – PS 147) and open space. Properties located within 1/4-mile radius of the Site are zoned R6, R6A, R7A (residential districts), C1-3, C2-3 (commercial district) and M1-1 and M1-2 (light manufacturing and industrial district). Within 250 feet radius of the Site, one sensitive receptor identified as an outdoor recreational facility owned by the Board of Education is located in the southwestern vicinity of the Site. No other sensitive receptors were identified. A map of the site boundary is shown in Figure 2.

1.4 Summary of Past Site Uses and Areas of Concern

Based upon the review of the Fire Insurance Maps and Regulatory Agency documents from the Phase I Environmental Site Assessment (ESA) Report prepared by Merritt Engineering Consultants, P.C. in January 2005, a Site history was established. The Site was utilized as a residential facility between 1933 and 1951 and mixed use residential and store facility between 1965 and 1981. The Site was vacant and undeveloped between 1992 and 1995 and was utilized as a parking lot in 2005. The Site has been vacant since at least 1992.

The AOCs identified for this site include:

1. Historic fill material present throughout the Site from surface to the depths of 8 feet.

1.5 Environmental Investigations

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a Ground Penetrating Radar (GPR) survey;
3. Installed 5 soil borings across the entire project Site, and collected 10 soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed 2 groundwater probes throughout the Site and collected 2 groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed 3 soil vapor probes around Site perimeter and collected 3 samples for chemical analysis;
6. One (1) outdoor air sample was collected for chemical analysis.

1.6 Summary of Findings of Remedial Investigation

1. No anomalies consistent with USTs were identified at the Site by the GPR survey.
2. Elevation of the property ranges is approximately 24 feet.
3. Depth to groundwater ranges from 20 to 21 feet at the Site.
4. Groundwater flow is generally from east to west in the direction of the East River.
5. Depth to bedrock is in excess of 10 feet at the Site.
6. The stratigraphy of the site, from the surface down, consists of historic fill with variable thickness ranging between zero and 8 feet (brown fine grained sand with varying amounts of bricks and pebbles). The fill layer is underlain by a layer of sand to variable depths ranging from 2 to 10 feet bgs (brown fine to coarse grained sand with varying amount of pebbles)
7. Soil/fill samples collected during the RI show trace levels of one VOC, isoptopyltoluene in one shallow soil sample at a concentration below Track 1 Unrestricted Use SCO (UUSCO). No PCE or TCE were detected in any shallow or deep soil samples. SVOC's

including benzo(a)pyrene (max. of 1.14 parts per million (ppm)), benzo(b)fluoranthene (max. of 1.07 ppm) and indeno(1,2,3-cd) pyrene (max. of 0.977 ppm) were detected in two deep and one shallow samples, at concentrations that exceeded Restricted Residential SCOs. One pesticide, 4,4, DDT (0.0525 ppm), was detected in 1 of 5 shallow soil samples and in 1 of 5 deep samples at concentrations that exceeded Unrestricted Use SCOs. There were no PCBs detected in any of ten soil samples. Several Metals exceeded Unrestricted Use SCOs in shallow and deep soils at the Site and included barium (maximum of 454 ppm), lead (maximum of 421 ppm), zinc (maximum of 241 ppm) and mercury (maximum of 1.58 ppm). Barium, lead and mercury also exceeded Restricted Residential SCOs in shallow soils. Only lead exceeded Restricted Residential SCOs in one deep sample (6-8' depths). Overall soil chemistry was unremarkable and does not indicate disposal of waste.

8. Groundwater samples collected during the RI show one chlorinated VOC, TCE (max. 10.7 µg/L) exceeding NYSDEC 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). A gasoline VOC, methyl tert-butyl ether was detected in 1 groundwater sample below its GQS. One SVOCs, bis(2-ethylhexyl)phthalate (max 10.8 µg/L) was detected in the 2 groundwater samples at concentrations exceeding GQS. No pesticide or PCBs were detected in any groundwater samples. Dissolved metals were not analyzed during the RI investigation. Several total metals exceeded their respective GQS.

9. Soil vapor samples collected during the RI show a wide range of compounds throughout the property including BTEX and associated petroleum related compounds as well as chlorinated hydrocarbons. BTEX and associated derivatives were found in all 3 soil vapor samples. The concentration of these compounds ranged from 0.69 ug/m3 to 100 ug/m3. These compounds were not detected in the soil or groundwater samples collected beneath the property and are not believed to be associated with an on-site source area. Among the chlorinated compounds, PCE was detected in 1 of 3 vapor samples at a concentration of 54 ug/m3 and 1,1,1-TCA was also detected in 1 of 3 vapor samples at a concentration of 16 ug/m3. TCE was detected in the vapor samples at a maximum concentration of 8.3 ug/ m3. Other chlorinated hydrocarbon compounds that were identified in soil vapor samples included carbon tetrachloride (0.45 ug/m3), methylene

chloride (13 ug/m3) and acetone (maximum 220 ug/m3). The NYSDOH has established AGVs for three of the chlorinated VOCs analyzed: PCE, 111-TCA, and methylene chloride. The PCE and TCA concentrations are below the monitoring level ranges established within the State DOH soil vapor guidance matrix.

10. An outdoor air sample collected during the RI showed total BTEX concentration of 27 ug/m^3. Chlorinated compounds were detected in outdoor air including: PCE (3.0 ug/m3), chloroform (0.65 ug/m3), methylene chloride (3.1 ug/m3), and carbon tetrachloride (1.2 ug/m3).. Acetone was the most abundant in the outdoor air sample and it was detected at a maximum concentration of 17 ug/m3.

For more detailed results, consult the RIR. Based on an evaluation of the data and information from the RIR and this RAWP, disposal of significant amounts of hazardous waste is not suspected at this site.

2.0 DESCRIPTION OF REMEDIAL ACTIONS

The remedial action was performed in accordance with an OER-approved Remedial Action Work Plan and achieved the remedial action objectives established for the project. The remedial action was evaluated in an alternatives analysis and was determined to be protective of human health and the environment, compliant with standards, criteria, and guidelines (SCGs), effective in the short-term, effective in the long-term, capable of attaining appropriate levels of reduction of toxicity, mobility, or volume of contaminated material, implementable, cost effective, acceptable to the community, consistent with land uses, and sustainable.

A summary of the milestones achieved in the Remedial Action is as follows: A Pre-Application Meeting was held October 9, 2013. A Remedial Investigation (RI) was performed in July 2014. A RI Report was prepared to evaluate data and information necessary to develop a Remedial Action Work Plan (RAWP). A Site Contact List was established. A RAWP was prepared and released with a Fact Sheet on January 22, 2014 for a 30-day public comment period. The RAWP and Stipulation List dated February 27, 2014 was approved by the New York City Office of Environmental Remediation (OER) on March 26, 2014. A Pre-Construction Meeting was held October 28, 2014. A Fact Sheet providing notice of the start of the remedial action was issued in October 2014. The remedial action was begun in December 2014 and completed in April 2015. The RAWP and RIR are provided in Appendix 1.

The remedial action consisted of the following tasks:

1. Prepared a Community Protection Statement and performed all required NYC VCP citizen participation activities according to the approved Citizen Participation Plan (CPP);
2. Performed a Community Air Monitoring Program for particulates and volatile organic carbon compounds;
3. Established Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs);
4. Site mobilization, involved Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas;
5. Excavated soil/fill to a depth of approximately 12 feet below grade site-wide (a total of approximately 3,341.05 tons of soil/fill was disposed of off-site);

6. Excavated soil/fill was screened during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID. Excavated media was segregated onsite as needed;

7. Three (3) unknown USTs were discovered and removed from the Site. The USTs included two 275-gallon fuel oil USTs and one 550-gallon fuel oil UST. The USTs were removed in compliance with applicable local, State, and Federal laws and regulations (no spills were encountered);

8. All soil/fill material was transported and disposed of off-site at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Excavated media was sampled and analyzed as required by disposal facilities. Appropriate segregation of excavated media onsite occurred;

9. Six (6) end-point soil samples were collected and analyzed to determine the performance of the remedy with respect to attainment of SCOs. Based upon OER review of the end-point soil sample analytical data, Track 1 remediation was achieved;

10. Approximately 295 cubic yards of clean soil backfill was imported for backfill in compliance with the Remedial Action Work Plan and in accordance with applicable laws and regulations. The soil backfill was placed offsite beneath the sidewalk. Crushed stone and RCA were imported for use as a sub-base for the composite cover;

11. Storm-water pollution prevention measures were implemented in compliance with applicable laws and regulations;

12. All activities required for the remedial action, including permitting requirements and pretreatment requirements, were performed in compliance with applicable laws and regulations;

13. As part of development, a vapor barrier/waterproofing membrane beneath the building slab and behind the foundation walls of the constructed building was installed. 20-mil Vapor Block Plus 20 was installed beneath the building slab. The vapor barrier extends up to grade level and is attached to the exterior sides of foundation walls.

14. As part of development, an engineered composite cover consisting of a 6-inch thick

concrete slab across the footprint of the new building was installed on top of a 6-inch gravel bed;

15. As part of development, a sub-grade air exchange and ventilation system in the parking cellar was installed in accordance with the NYC Department of Building's Code;
16. Submitted a Sustainability Report.
17. Submitted an RAR that describes the Remedial Action; certifies that the remedial requirements defined in the RAWP have been achieved; defines the Site boundaries; and lists any changes from this RAWP.

3.0 COMPLIANCE WITH REMEDIAL ACTION WORK PLAN

3.1 HEALTH & SAFETY PLAN

The remedial construction activities performed under this program were in compliance with the site-specific Health and Safety Plan and applicable laws and regulations. The Site Safety Coordinator was Paul I. Matli.

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. Monitoring was performed in compliance with the Community Air Monitoring Plan in the approved RAWP. The results of the Community Air monitoring are presented in Appendix 2.

3.3 SOIL/MATERIALS MANAGEMENT PLAN

The Soil/Materials Management Plan in the RAWP 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 compliance with the SMMP in the approved RAWP.

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 full compliance with methods and processes defined in the RAWP for storm water prevention and applicable laws and regulations.

3.5 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

The RAWP included installation of a vapor barrier consisting of Grace Preprufe 160R and 300R. With OER approval dated March 24, 2015 (Appendix 11), the vapor barrier was changed

to Vapor Block 20 Plus. This vapor barrier meets the minimum thickness requirement of 20mil and its installation is protective of public safety and health.

No other deviations from the approved Remedial Action Work Plan occurred.

4.0 REMEDIAL PROGRAM

4.1 PROJECT ORGANIZATION

Principal personnel who participated in the remedial action included Ms. Morgan Violette and Erica Johnston, Project Managers and Site Safety Coordinators. The Professional Engineer (PE) and Qualified Environmental Professional (QEP) for this project are Shaik A. Saad and Mark E. Robbins, respectively.

4.2 SITE CONTROLS

Site Preparation

Prior to the start of remedial activities, all necessary construction and demolition permits were acquired and maintained on-site as per the NYCDOB rules and regulations. A utility mark-out was performed prior to site ground-work.

Prior to the start of remedial activities, a pre-construction meeting was held with all contractors during October 2013. An OER Project Notice was erected at the project entrance and was in place during all phases of the Remedial Action.

Soil Screening

All excavated soil was examined for visual/olfactory evidence of petroleum contamination and for organic vapors utilizing a Photoionization Detector (PID). No organic vapors (<0.1ppm) or visual/olfactory evidence of contamination were identified in the excavated soil.

Stockpile Management

Soil excavated was loaded directly into disposal trucks. When necessary stockpiled soil was placed on and covered by plastic sheeting.

Truck Inspection

Truck inspection and cleaning was performed for all trucks prior to exiting the site.

Site Security

Site security was maintained in accordance with NYCDOB code.

Nuisance Controls

No odors, dust or vapors were generated or identified during remedial work.

Reporting

Daily reports providing a general summary of invasive activities were provided to the OER Project Manager for each day of active remedial work. In the event no invasive work was performed for extended time period, daily report frequency was reduced to weekly basis and also monthly basis.

All daily, weekly and monthly reports are included in Appendix 3. Digital photographs of the Remedial Action are included in Appendix 4.

4.3 Materials Excavation and Removal

The soil excavation at the Site for developmental purposes consisted of excavation of the entire property to 12 feet below grade. A total of 3,341.05 tons of soil/fill material was excavated and removed from the property. 25.58 tons of lead-hazardous soil was disposed of at Clean Earth of North Jersey. 735.71 tons of soil was disposed of at Total Recycling Corp (TRC) – Walnut Cut. 330.04 tons of soil was disposed of at Former New Jersey Zinc – West Plant. 2,249.72 tons of soil were disposed of at Prospect Park.

In addition, two 275-gallon fuel oil underground storage tanks (USTs) and one 550-gallon fuel oil UST were discovered and removed from the Site. The two 275 gallon USTs were located in the central western portion of the Site. The 550 gallon UST was located in the northern portion of the Site. Figure 5 provides the locations of the former USTs. We note that the daily report identified a 1,000 gallons UST. However, this was incorrectly estimated by the field inspector. The USTs were cleaned and rendered free of combustible vapors and removed from the property and legally disposed of in accordance with FC3404-01 by a New York City licensed Underground Tank Installer. The tank carcasses were disposed of as scrap metal. A total of 609

gallons of #2 fuel oil and water mix were removed from the tanks and sent to Clean Water at 3249 Richmond Terrace, Staten Island by Rapid Waste. The tanks were encountered during January 2015 as the Site excavation was ongoing. The tanks were found to be in fair condition, and no evidence of releases were encountered. Hydro Tech Environmental performed the tank removals. A tank removal affidavit and UST content manifests are provided in Appendix 5. Photographs of the UST removals are provided in Appendix 4.

End-point samples collected subsequent to site excavation reported all soil below Track 1 SCOs; therefore, the remedial action was determined to qualify as a Track 1 cleanup.

A map showing the location where excavations were performed and the tank locations is shown in Figure 5.

End Point Sample Results

Six (6) post excavation end point samples were collected at the Site from the bottom of the site-wide excavation. The end point samples are identified as EP-1 though EP-6 (Figure 5). Endpoint samples EP-1 through EP-3 were collected from the western portion of the Site and samples EP-4 through EP-6 were collected from the eastern portion of the Site. Specifically, EP-1 was collected from the bottom of the excavation located beneath the previously removed 550 gallon fuel oil UST, and EP-2 was collected at the bottom of the excavation located beneath the two previously removed 275 gallon fuel oil UST locations. All endpoint samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, Target Analyte List metals, hexavalent chromium and trivalent chromium. The results of the endpoint samples are shown in Tables 1-4.

Additionally, ten (10) hot spot endpoint samples designated Grid#1 EP-1 through Grid#1 EP-10 were collected from the southwest portion of the Site located in Grid #1. This testing was performed in order to confirm all hazardous lead soil was removed to the site. All ten of the hotspot endpoint samples were tested for total and TCLP lead. None of the samples contained hazardous levels of lead. Results of the lead hotspot endpoint samples are shown in Table 5.

No VOCs (besides the common laboratory contaminant acetone) were detected at concentrations exceeding their respective laboratory method detection limits (MDLs). No SVOCs, PCBs or metals were detected at concentrations exceeding their respective Track 1

SCOs. One (1) pesticide, 4,4'-DDT, is present at a concentration that only marginally exceeds its Track 1 SCO of 0.0033 mg/Kg in end-point samples EP-1 through EP-4 (0.0049 mg/Kg, 0.0037 mg/Kg, 0.0037 mg/Kg and 0.0045 mg/Kg, respectively). The raw analytical data packages for the endpoint samples are provided in Appendix 7.

4.4 Materials Disposal

The tonnage of material removed and disposed off-Site is presented below:

Destination	Type of Material	Quantity
Clean Earth of North Jersey, 115 Jacobus Ave, Kearny, NJ 07032	Lead-hazardous soil	25.58 tons
Total Recycling Corp (TRC) – Walnut Cut 3777 Dogwood Road, Danielsville, PA	Soil	735.71 tons
Former New Jersey Zinc – West Plant 1120 Mauch Chunk Road, Palmerton, PA 18071	Soil	330.04 tons
Prospect Park - 100 Planten Avenue, Prospect Park, New Jersey	Soil	2,249.72 tons

Letters from DJS Real Estate Development to the above-listed disposal facilities providing materials type, source and data and acceptance letters from disposal facility stating its approval to accept these materials are attached in Appendix 8. The laboratory analytics for the waste characterization are provided as Appendix 9. Manifests are included in Appendix 10. The table

above shows the total quantities of each class of material removed from the Site and the disposal locations. Table 6 provides the trucking log for the Site.

4.5 BACKFILL IMPORT

Approximately 295 cubic yards of clean fill soil was imported for placement under the sidewalk adjacent to the Site for structural stability purposes. No backfill was placed on the Site itself. Soil was obtained from a NYS DEC regulated registration facility (Evergreen Recycling) and no chemical testing was performed. RCA and crushed stone were imported for use as a sub-base for the composite cover. .

The tonnage of backfill imported onto the site is presented below:

Source	Type of Material	Quantity
Evergreen Recycling 127-50 Northern Boulevard Flushing, NY 11368	Clean Fill	295 tons
Maspeth Recycling 58-08 48th Street, Maspeth, NY 11376	¾” Crushed Stone (RCA)	8 cubic yards
Alloco Recycling, Inc 540 Kingsland Avenue, NY 11222	¾” Crushed Stone (RCA)	65 cubic yards

A map showing backfill placement locations at the Site is shown in Figure 6. The backfill purchase receipts are provided in Appendix 12.

4.6 Demarcation

Track 1 SCOs were achieved for soil and a demarcation layer was not required.

5.0 ENGINEERING CONTROLS

A Track 1 Remedial Action was achieved and Engineering Controls are not required. However, as part of construction, several protective systems were installed. These are:

(1) A composite cover system consisting of a 6-inch thick concrete building slab;

(2) A vapor barrier/waterproofing membrane was installed beneath the building slab and behind the foundation walls;

(3) A high-volume air exchange ventilation system was installed in the underground parking lot in accordance with the NYC Department of Building's Code.

Composite Cover System

Track 1 cleanup was achieved through site-wide excavation to approximately 12 feet below grade. An engineered composite cover system is in place at the site and consists of a 6-inch thick concrete building slab overlying 6-inches of stone sub-base.

Vapor Barrier System

Track 1 cleanup was achieved through site-wide excavation to approximately 12 feet below grade. An engineered vapor barrier system is present beneath the building slab and outside of foundation sidewalls. The vapor barrier/waterproofing system is composed of a 20 mil Vapor Block Plus manufactured by Raven Industries. Photographs of the vapor barrier/waterproofing system are included in Appendix 4. Vapor barrier/waterproofing membrane purchase receipts are provided in Appendix 13.

Sub-grade Air Exchange and Ventilation System

A high volume air exchange and ventilation system was installed in the sub-grade parking garage in accordance with the NYC Department of Building's Code.

6.0 INSTITUTIONAL CONTROLS

A Track 1 Remedial Action was achieved and Institutional Controls are not required.

7.0 SITE MANAGEMENT PLAN

A Track 1 Remedial Action was achieved and Site Management is not required.

8.0 SUSTAINABILITY REPORT

This Remedial Action Work Plan provides for sustainable remediation and redevelopment through a variety of means that are defined in this Sustainability Report.

Reduced Energy Consumption and Promotion of Greater Energy Efficiency. Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings.

The following means were used to reduce energy consumption in this project: Efficient scheduling of loading times of trucks to prevent extensive idling times, and consolidating the number of days that soil was shipped from the Site to reduce truck traffic in the neighborhood.

Conversion to Clean Fuels. Use of clean fuel improves NYC's air quality by reducing harmful emissions. The following clean fuels were utilized in this program: natural gas as a heating source for the building.

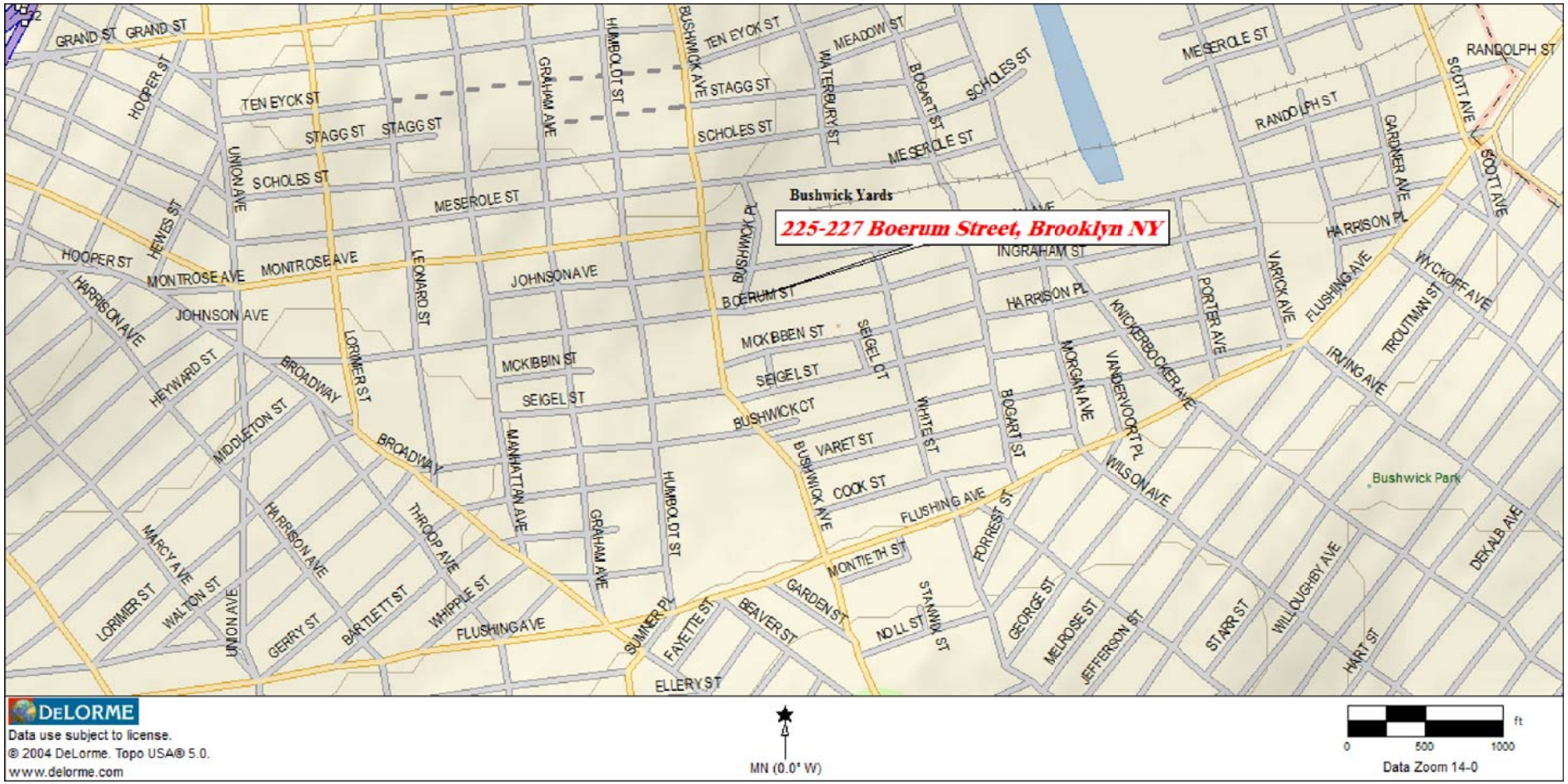
Recontamination Control. Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a property that is less protective of public health or the environment, and may necessitate additional cleanup work later that could impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of existing contamination from off-Site. The vapor barrier will serve as the primary means of recontamination control for the site. This vapor barrier will prevent the migration of potential offsite soil vapors into the buildings constructed on site, and protect the health of the occupants. The area of the Site that utilizes recontamination controls under this plan is 5,559 square feet.

Paperless Brownfield Cleanup Program. DJS Real Estate Development participated in OER's Paperless Brownfield Cleanup Program. Under this program, submission of electronic documents replaced submission of hard copies for the review of project documents,

communications and milestone reports. A best estimate of the mass (pounds) of paper saved under this plan is 50 pounds.

Low-Energy Project Management Program. DJS Real Estate Development participated in OER's low-energy project management program. Under this program, whenever possible, meetings were held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation. A gross estimate of the number of miles of personal transportation that was conserved in this process is 550 miles.

Figures



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Drawn By: C.Q.
Reviewed By: M.R
Approved By: M.S
Date: 01/02/13
Scale: AS NOTED

TITLE:

FIGURE 1: SITE LOCATION MAP

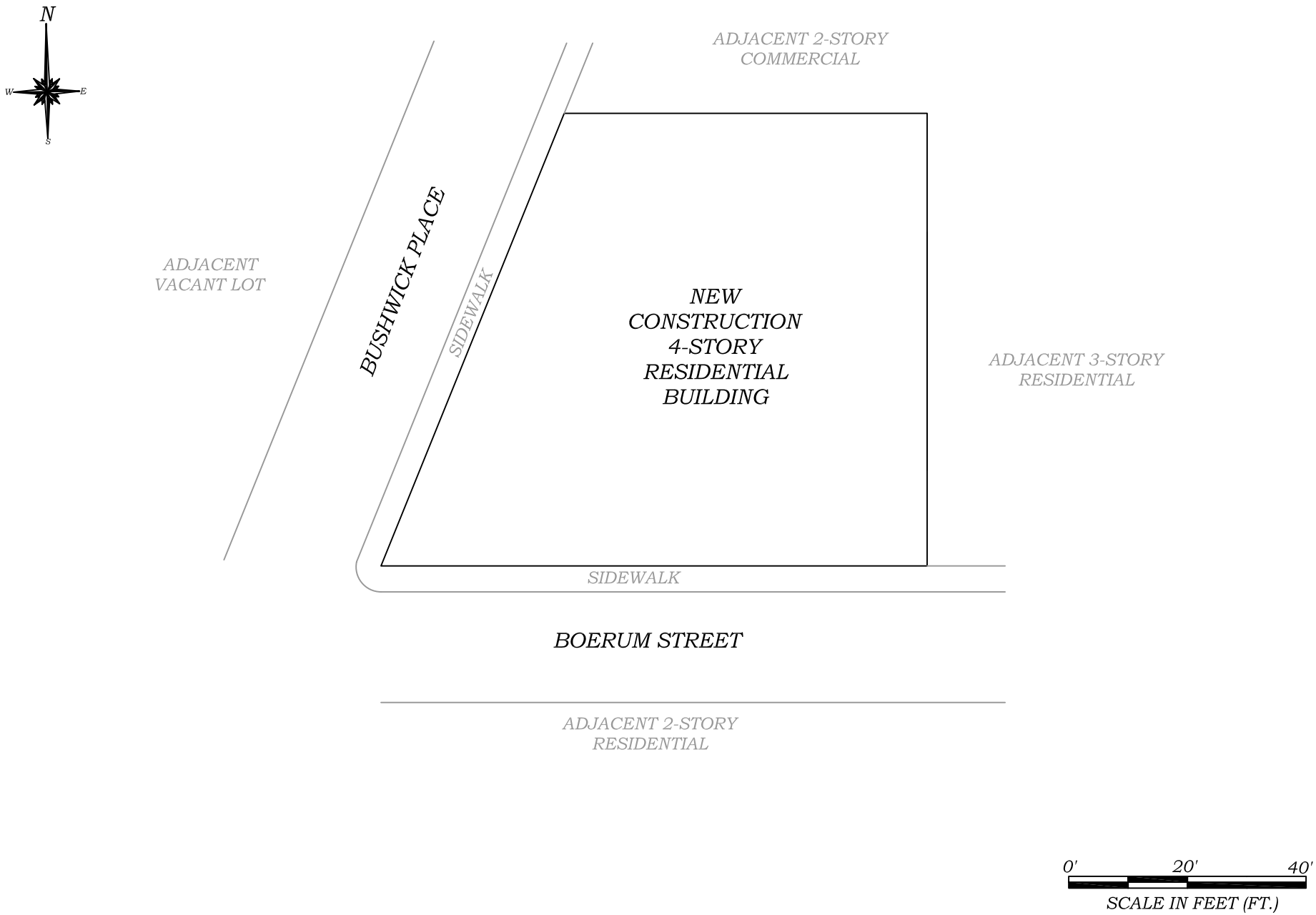

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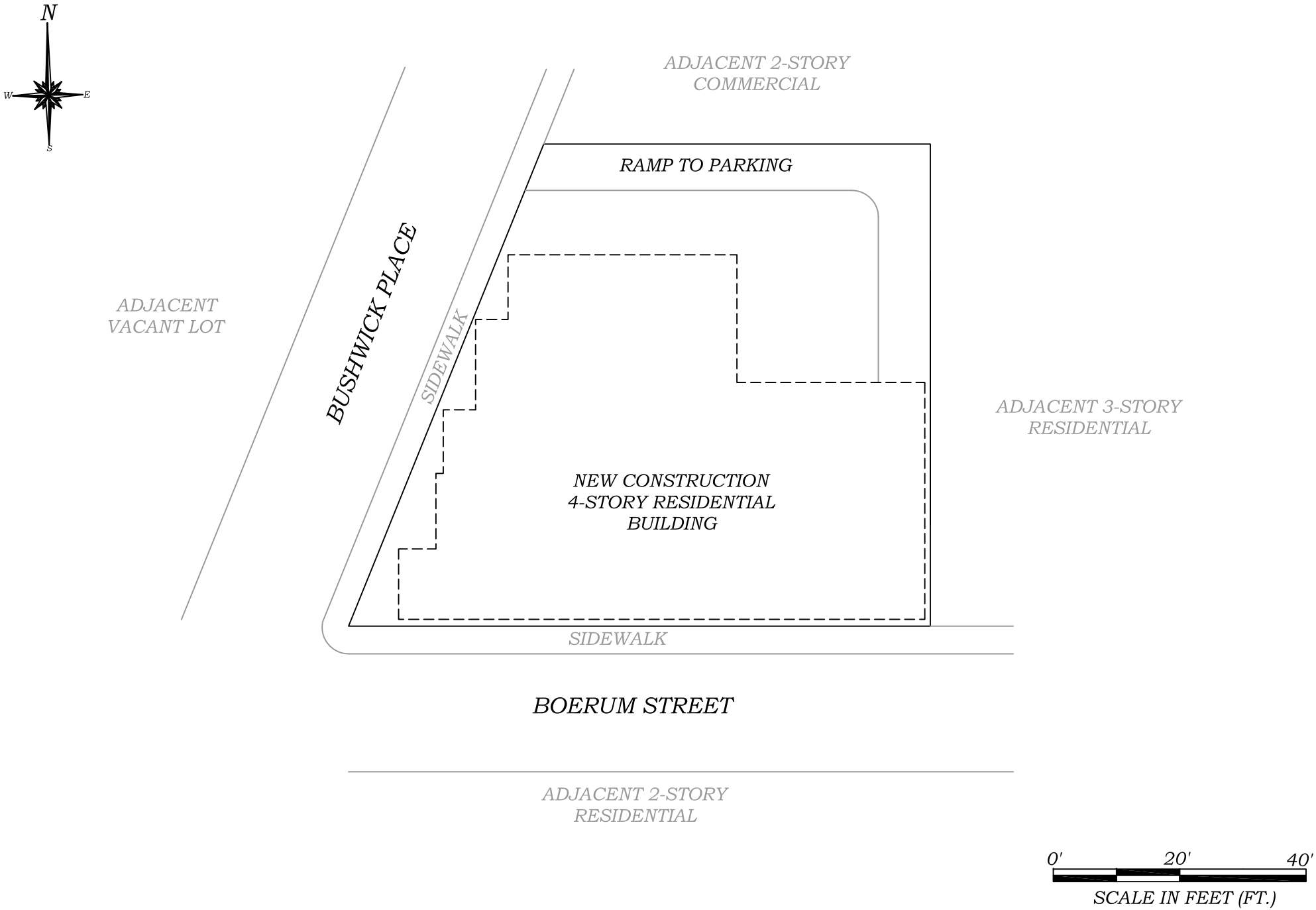
FIGURE 2: SITE BOUNDARY MAP



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Approved By:	M.R
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TITLE:

FIGURE 3: DEVELOPMENT LAYOUT MAP

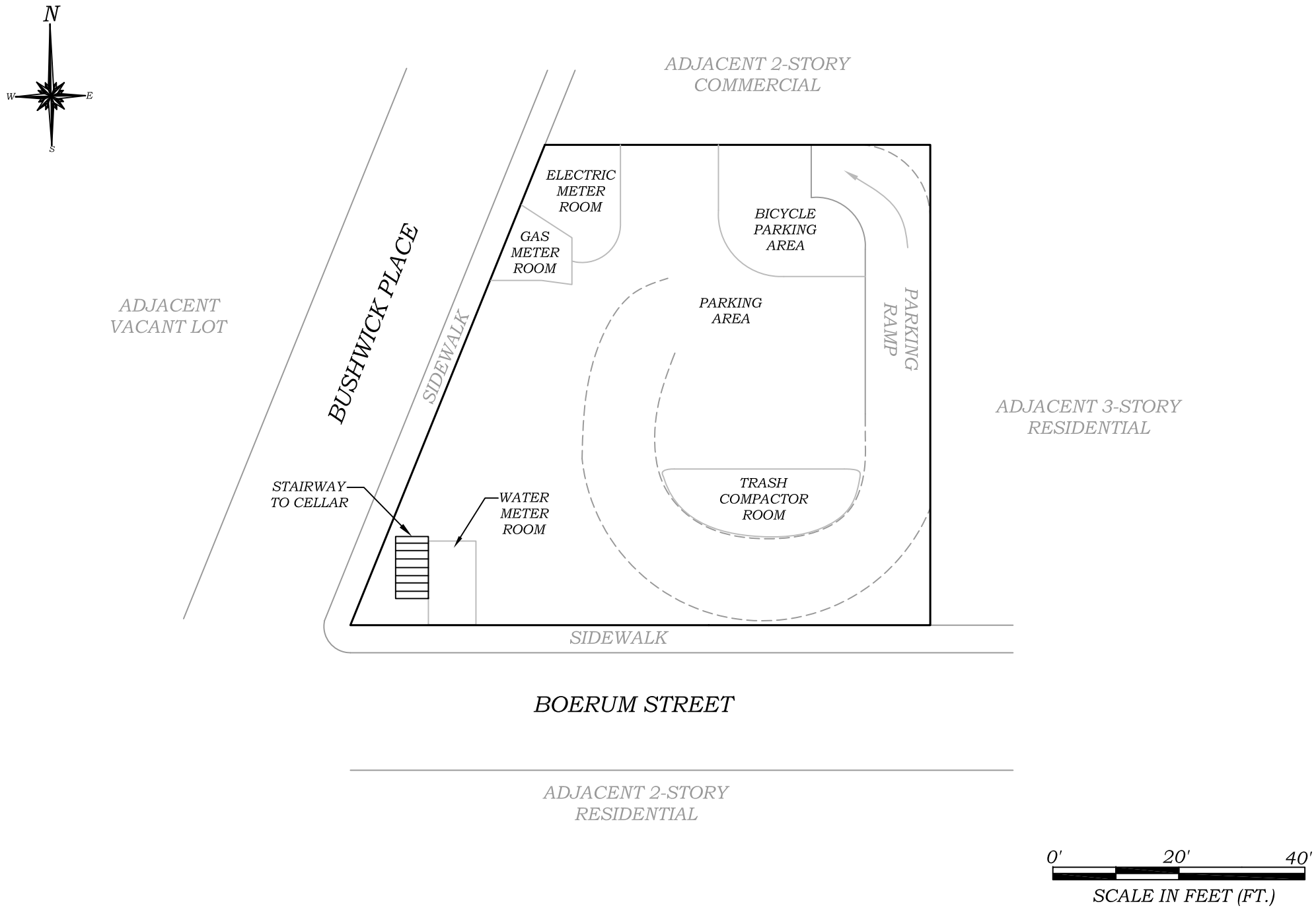

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FIGURE 4: CELLAR USE DIAGRAM

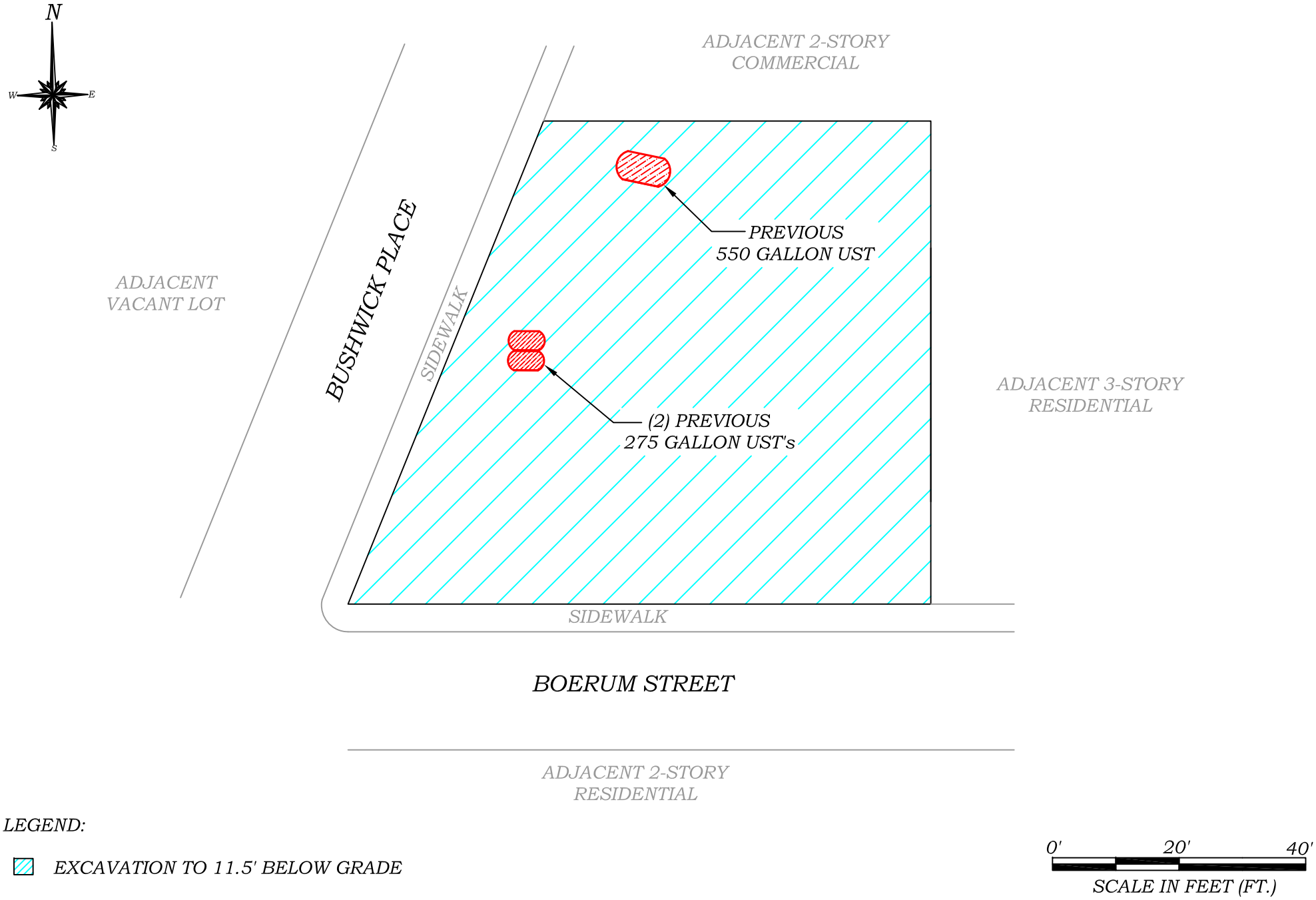

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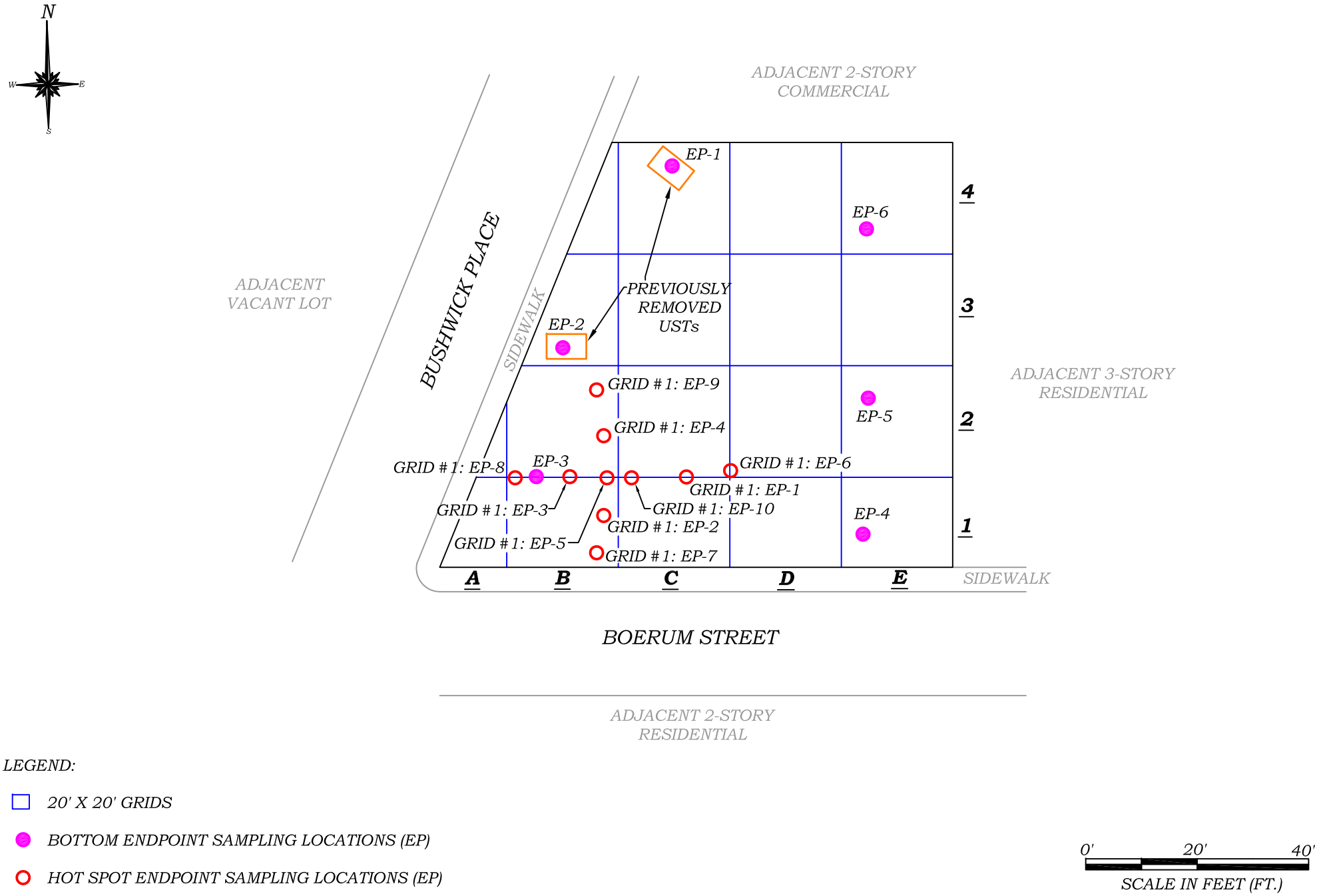
FIGURE 5: SITE EXCAVATION PLAN



LEGEND:

- 20' X 20' GRIDS
- BOTTOM ENDPOINT SAMPLING LOCATIONS (EP)
- HOT SPOT ENDPOINT SAMPLING LOCATIONS (EP)

0' 20' 40'

SCALE IN FEET (FT.)

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FIGURE 6: END POINT SAMPLING LOCATION MAP

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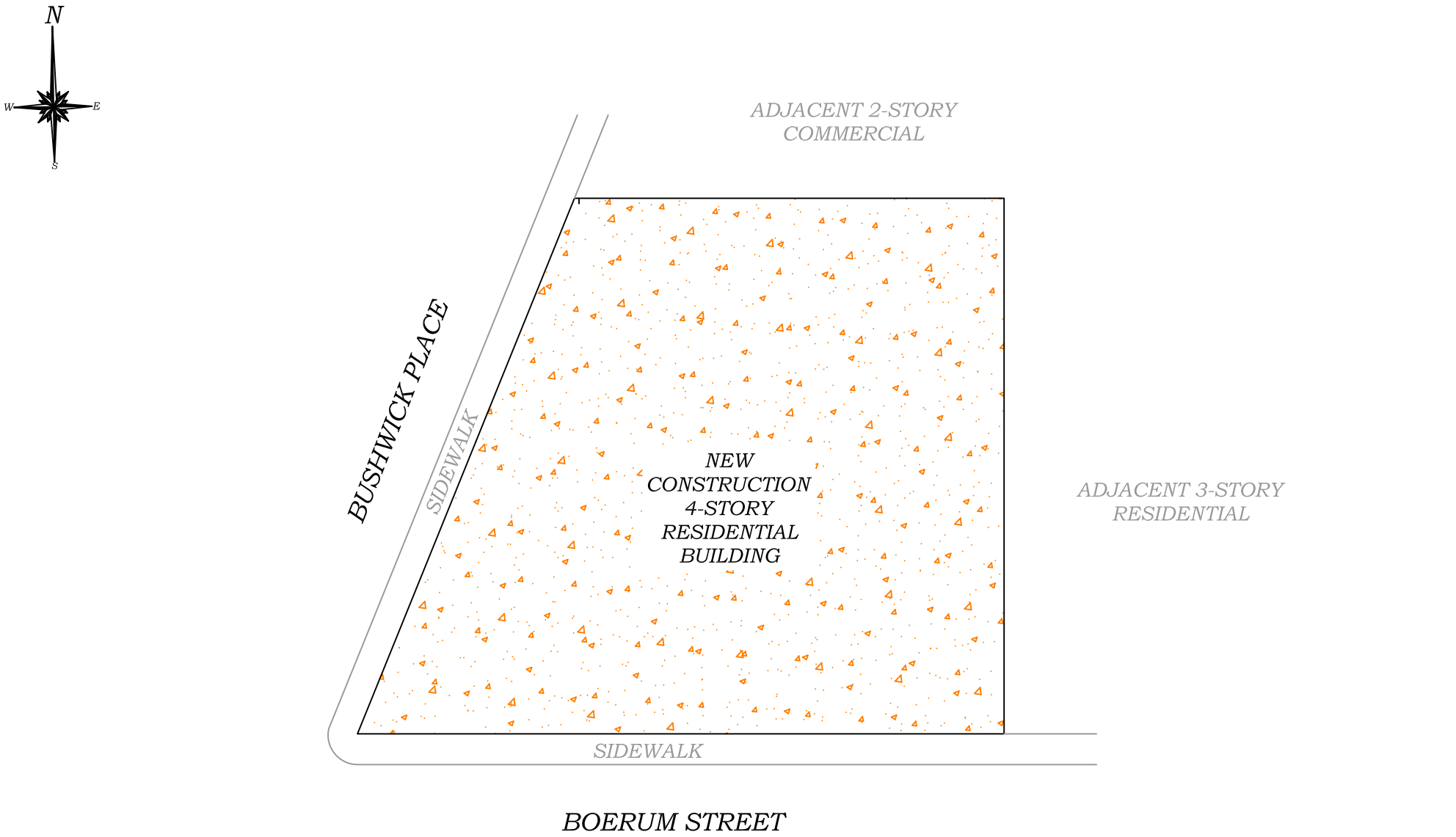
FIGURE 7: BACKFILL PLACEMENT MAP



LEGEND:

BOTTOM OF EXCAVATION CAPPED WITH 6" CONCRETE SLAB UNDERLAIN WITH 6" STONE

0' 20' 40'

SCALE IN FEET (FT.)

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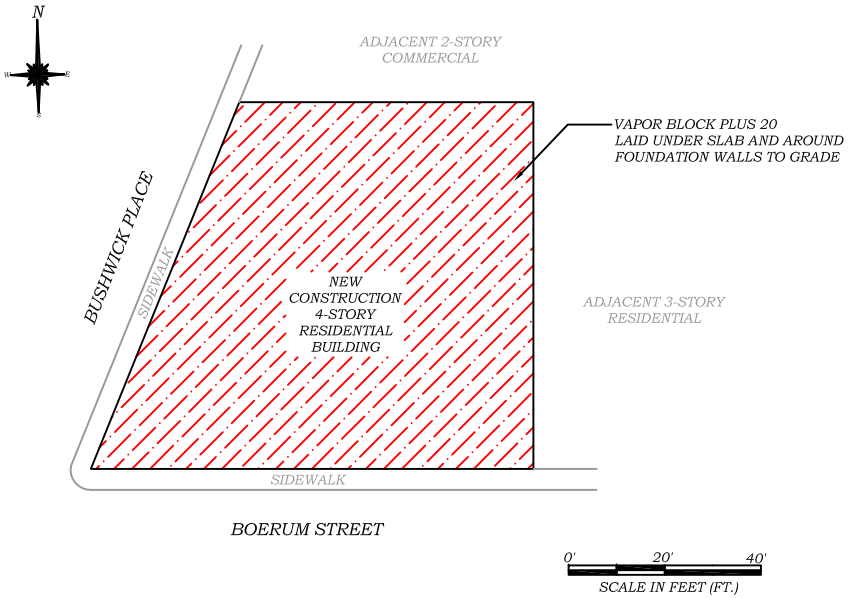
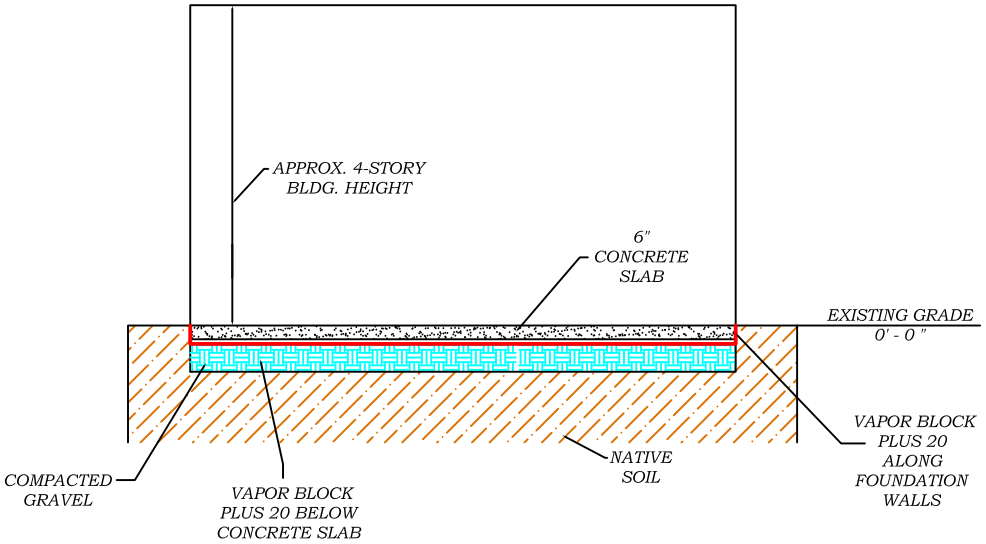
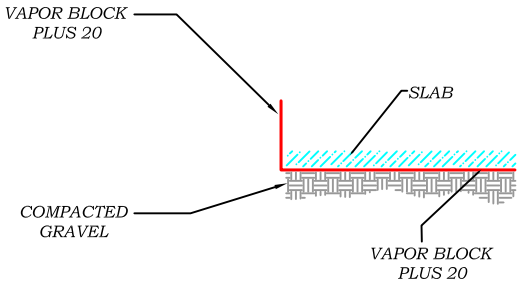
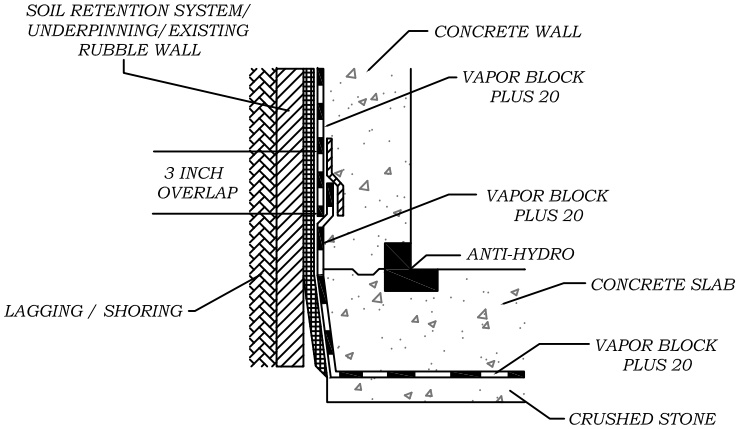
FIGURE 8: COMPOSITE COVER LOCATION DIAGRAM





ELEVATION





* PROTECT PREPRUFE MEMBRANE ABOVE SLAB FROM CONTAMINATION DURING CONCRETE SLAB PLACEMENT

NOTES:

1. ALL ELEVATIONS ARE RELATIVE TO EXISTING GRADE, WHICH IS ARBITRARILY ASSUMED TO BE AT 0'-0" EL.
2. THE VAPOR BARRIER DESIGN IS INDEPENDENT OF THE ACTUAL TYPE OF FOUNDATION CONSTRUCTED AT THE SITE. ANY OBJECTS THAT BISECT THE LINER SUCH AS PIERS OR PILES MUST BE CUT THROUGH THE LINER AND CONTACT BETWEEN THE BARRIER AND OBJECT MUST BE SEALED AS PER THE MANUFACTURER'S RECOMMENDATION.
3. BUILDING HEIGHT AND THE SHAPE OF THE ROOF ARE APPROXIMATE.

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Scale:	AS NOTED

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FIGURE 9: LOCATION & DESIGN OF VAPOR BARRIER

Tables

Table 1
Soil Samples Analytical Results for VOCs
83 Bushwick Place Brooklyn,NY

Sample ID	EP-1		EP-2		EP-3		EP-4		EP-5		EP-6		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Sampling Date	2/12/2015		2/12/2015		2/12/2015		2/12/2015		2/12/2015		2/12/2015			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result			
Volatile Organics, 8260 List	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
1,1,1,2-Tetrachloroethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
1,1,1-Trichloroethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.68	100
1,1,2,2-Tetrachloroethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
1,1,2-Trichloroethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
1,1-Dichloroethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.27	19
1,1-Dichloroethylene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.33	100
1,1-Dichloropropylene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
1,2,3-Trichlorobenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
1,2,3-Trichloropropane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
1,2,4-Trichlorobenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
1,2,4-Trimethylbenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	3.6	47
1,2-Dibromo-3-chloropropane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
1,2-Dibromoethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
1,2-Dichlorobenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	1.1	100
1,2-Dichloroethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.02	2.3
1,2-Dichloropropane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
1,3,5-Trimethylbenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	8.4	47
1,3-Dichlorobenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	2.4	17
1,3-Dichloropropane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
1,4-Dichlorobenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	1.8	9.8
1,4-Dioxane	<6.2	U	<0.061	U	<0.072	U	<0.063	U	<0.057	U	<0.036	U	0.1	9.8
2,2-Dichloropropane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
2-Butanone	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.12	100
2-Chlorotoluene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
4-Chlorotoluene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Acetone	<0.31	U	**0.0037**	**J**	<0.0036	U	**0.005**	**J**	**0.058**		**0.015**		0.05	100
Benzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.06	2.9
Bromobenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Bromochloromethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Bromodichloromethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Bromoform	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Bromomethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Carbon tetrachloride	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.76	1.4
Chlorobenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	1.1	100
Chloroethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Chloroform	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.37	10
Chloromethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
cis-1,2-Dichloroethylene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.25	59
cis-1,3-Dichloropropylene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Dibromochloromethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Dibromomethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Dichlorodifluoromethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Ethyl Benzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	1	30
Hexachlorobutadiene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Isopropylbenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Methyl tert-butyl ether (MTBE)	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.93	62
Methylene chloride	<0.31	U	<0.003	U	<0.0036	U	<0.0032	U	<0.0057	U	<0.0036	U	0.05	51
Naphthalene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	12	100
n-Butylbenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	12	100
n-Propylbenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	3.9	100
o-Xylene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
p- & m- Xylenes	<0.31	U	<0.003	U	<0.0036	U	<0.0032	U	<0.0057	U	<0.0036	U	NS	NS
p-Isopropyltoluene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
sec-Butylbenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	11	100
Styrene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
tert-Butylbenzene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	5.9	100
Tetrachloroethylene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	1.3	5.5
Toluene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.7	100
trans-1,2-Dichloroethylene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.19	100
trans-1,3-Dichloropropylene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Trichloroethylene	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.47	10
Trichlorofluoromethane	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Vinyl acetate	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	NS	NS
Vinyl Chloride	<0.15	U	<0.0015	U	<0.0018	U	<0.0016	U	<0.0028	U	<0.0018	U	0.02	0.21
Total VOC's	ND		0.0037		ND		0.005		0.058		0.015		NS	NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

Table 2
Soil Samples Analytical Results for SVOCs
83 Bushwick Place Brooklyn,NY

Sample ID	EP-1		EP-2		EP-3		EP-4		EP-5		EP-6		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Sampling Date	2/12/2015		2/12/2015		2/12/2015		2/12/2015		2/12/2015		2/12/2015			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result			
Volatile Organics, 8260 List	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
1,2,4-Trichlorobenzene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
1,2-Dichlorobenzene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	1.1	100
1,3-Dichlorobenzene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	2.4	17
1,4-Dichlorobenzene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	1.8	9.8
2,4,5-Trichlorophenol	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
2,4,6-Trichlorophenol	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
2,4-Dichlorophenol	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
2,4-Dimethylphenol	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
2,4-Dinitrophenol	<0.227	U	<0.0481	U	<0.047	U	<0.0498	U	<0.0455	U	<0.0467	U	NS	NS
2,4-Dinitrotoluene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
2,6-Dinitrotoluene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
2-Chloronaphthalene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
2-Chlorophenol	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
2-Methylnaphthalene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
2-Methylphenol	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	0.33	100
2-Nitroaniline	<0.227	U	<0.0481	U	<0.047	U	<0.0498	U	<0.0455	U	<0.0467	U	NS	NS
2-Nitrophenol	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
3- & 4-Methylphenols	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
3,3'-Dichlorobenzidine	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
3-Nitroaniline	<0.227	U	<0.0481	U	<0.047	U	<0.0498	U	<0.0455	U	<0.0467	U	NS	NS
4,6-Dinitro-2-methylphenol	<0.227	U	<0.0481	U	<0.047	U	<0.0498	U	<0.0455	U	<0.0467	U	NS	NS
4-Bromophenyl phenyl ether	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
4-Chloro-3-methylphenol	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
4-Chloroaniline	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
4-Chlorophenyl phenyl ether	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
4-Nitroaniline	<0.227	U	<0.0481	U	<0.047	U	<0.0498	U	<0.0455	U	<0.0467	U	NS	NS
4-Nitrophenol	<0.227	U	<0.0481	U	<0.047	U	<0.0498	U	<0.0455	U	<0.0467	U	NS	NS
Acenaphthene	**0.252**	**D**	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	**0.117**		20	100
Acenaphthylene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	**0.0508**		100	100
Aniline	<0.455	U	<0.0963	U	<0.0942	U	<0.0997	U	<0.0911	U	<0.0935	U	NS	NS
Anthracene	**0.33**	**D**	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	**0.0926**		100	100
Benzo(a)anthracene	**0.51**	**D**	<0.0241	U	**0.0587**		<0.0249	U	<0.0228	U	**0.0679**		1	1
Benzo(a)pyrene	**0.389**	**D**	<0.0241	U	**0.0496**		<0.0249	U	<0.0228	U	**0.0545**		1	1
Benzo(b)fluoranthene	**0.31**	**D**	<0.0241	U	**0.0365**	**J**	<0.0249	U	<0.0228	U	**0.0422**	**J**	1	1
Benzo(g,h,i)perylene	**0.172**	**JD**	<0.0241	U	**0.0342**	**J**	<0.0249	U	<0.0228	U	**0.0291**	**J**	100	100
Benzo(k)fluoranthene	**0.409**	**D**	<0.0241	U	**0.0541**		<0.0249	U	<0.0228	U	**0.0444**	**J**	0.8	1
Benzyl alcohol	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Benzyl butyl phthalate	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Bis(2-chloroethoxy)methane	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Bis(2-chloroethyl)ether	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Bis(2-chloroisopropyl)ether	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Bis(2-ethylhexyl)phthalate	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Chrysene	**0.508**	**D**	<0.0241	U	**0.0613**		<0.0249	U	**0.0265**	**J**	**0.0668**		1	1
Dibenzo(a,h)anthracene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	0.33	0.33
Dibenzofuran	**0.189**	**JD**	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	**0.104**		7	14
Diethyl phthalate	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Dimethyl phthalate	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Di-n-butyl phthalate	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Di-n-octyl phthalate	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Fluoranthene	**1.17**	**D**	**0.0446**	**J**	**0.121**		**0.0442**	**J**	**0.0422**	**J**	**0.147**		100	100
Fluorene	**0.452**	**D**	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	**0.193**		30	100
Hexachlorobenzene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	0.33	0.33
Hexachlorobutadiene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Hexachlorocyclopentadiene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Hexachloroethane	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Indeno(1,2,3-cd)pyrene	**0.196**	**JD**	<0.0241	U	**0.0274**	**J**	<0.0249	U	<0.0228	U	**0.031**	**J**	0.5	0.5
Isophorone	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Naphthalene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	12	100
Nitrobenzene	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
N-Nitrosodimethylamine	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
N-nitroso-di-n-propylamine	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
N-Nitrosodiphenylamine	**0.995**	**D**	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	NS	NS
Pentachlorophenol	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	0.8	2.4
Phenanthrene	**1.14**	**D**	<0.0241	U	**0.0842**		**0.0282**	**J**	<0.0228	U	**0.333**		100	100
Phenol	<0.114	U	<0.0241	U	<0.0236	U	<0.0249	U	<0.0228	U	<0.0234	U	0.33	100
Pyrene	**0.868**	**D**	**0.0358**	**J**	**0.103**		**0.0402**	**J**	**0.0353**	**J**	**0.125**		100	100
Pyridine	<0.455	U	<0.0963	U	<0.0942	U	<0.0997	U	<0.0911	U	<0.0935	U	NS	NS
Total SVOC's	7.89		0.08		0.63		0.11		0.10		1.50		NS	NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

Table 3

Soil Samples Analytical Results for Pesticides and PCBs

83 Bushwick Place Brooklyn,NY

Sample ID	EP-1		EP-2		EP-3		EP-4		EP-5		EP-6		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Sampling Date	2/12/2015		2/12/2015		2/12/2015		2/12/2015		2/12/2015		2/12/2015			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result			
Volatile Organics, 8260 List	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
4,4'-DDD	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	0.0033	2.6
4,4'-DDE	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	0.0033	1.8
4,4'-DDT	**0.00493**	**D**	**0.00368**	**D**	**0.00366**	**D**	**0.00445**	**D**	<0.0018	U	**0.00244**	**D**	0.0033	1.7
Aldrin	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	0.005	0.019
alpha-BHC	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	0.02	0.097
alpha-Chlordane	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	0.094	0.91
Aroclor 1016	<0.0181	U	<0.0192	U	<0.0188	U	<0.0199	U	<0.0182	U	<0.0187	U	NS	NS
Aroclor 1221	<0.0181	U	<0.0192	U	<0.0188	U	<0.0199	U	<0.0182	U	<0.0187	U	NS	NS
Aroclor 1232	<0.0181	U	<0.0192	U	<0.0188	U	<0.0199	U	<0.0182	U	<0.0187	U	NS	NS
Aroclor 1242	<0.0181	U	<0.0192	U	<0.0188	U	<0.0199	U	<0.0182	U	<0.0187	U	NS	NS
Aroclor 1248	<0.0181	U	<0.0192	U	<0.0188	U	<0.0199	U	<0.0182	U	<0.0187	U	NS	NS
Aroclor 1254	<0.0181	U	<0.0192	U	<0.0188	U	<0.0199	U	<0.0182	U	<0.0187	U	NS	NS
Aroclor 1260	<0.0181	U	<0.0192	U	<0.0188	U	<0.0199	U	<0.0182	U	<0.0187	U	NS	NS
beta-BHC	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	0.036	0.072
Chlordane, total	<0.0719	U	<0.0761	U	<0.0744	U	<0.0788	U	<0.072	U	<0.0739	U	NS	NS
delta-BHC	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	0.04	100
Dieldrin	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	0.005	0.039
Endosulfan I	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	2.4	4.8
Endosulfan II	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	2.4	4.8
Endosulfan sulfate	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	2.4	4.8
Endrin	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	0.014	2.2
Endrin aldehyde	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	NS	NS
Endrin ketone	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	NS	NS
gamma-BHC (Lindane)	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	0.1	0.28
gamma-Chlordane	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	NS	NS
Heptachlor	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	0.042	0.42
Heptachlor epoxide	<0.0018	U	<0.0019	U	<0.00186	U	<0.00197	U	<0.0018	U	<0.00185	U	NS	NS
Methoxychlor	<0.00899	U	<0.00952	U	<0.00931	U	<0.00985	U	<0.009	U	<0.00924	U	NS	NS
Toxaphene	<0.091	U	<0.0963	U	<0.0942	U	<0.0997	U	<0.0911	U	<0.0935	U	NS	NS
Total PCBs	<0.0181	U	<0.0192	U	<0.0188	U	<0.0199	U	<0.0182	U	<0.0187	U	0.1	1

NOTES:

Any Regulatory Exceedences are color coded by Regulation

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D=result is from an analysis that required a dilution

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

Table 4

Soil Samples Analytical Results for Metals

83 Bushwick Place Brooklyn,NY

Sample ID	EP-1		EP-2		EP-3		EP-4		EP-5		EP-6		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Sampling Date	2/12/2015		2/12/2015		2/12/2015		2/12/2015		2/12/2015		2/12/2015			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result			
Volatile Organics, 8260 List	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
Aluminum	**7,530**		**8,520**		**8,040**		**12,200**		**7,310**		**9,170**		NS	NS
Antimony	<0.545	U	<0.577	U	<0.564	U	<0.597	U	<0.545	U	<0.56	U	NS	NS
Arsenic	**1.88**		**2.71**		**1.95**		**2.89**		<1.09	U	**1.87**		13	16
Barium	**42.70**		**51.60**		**50.40**		**62.70**		**28.20**		**46.50**		350	350
Beryllium	<0.109	U	<0.115	U	<0.113	U	<0.119	U	<0.109	U	<0.112	U	7.2	14
Cadmium	<0.327	U	<0.346	U	<0.338	U	<0.358	U	<0.327	U	<0.336	U	2.5	2.5
Calcium	**1,250**		**1,470**		**1,150**		**1,730**		**579**		**1,210**		NS	NS
Chromium	**15.30**		**14.60**		**16.30**		**16.80**		**8.75**		**21.30**		NS	NS
Chromium, Hexavalent	<0.545	U	<0.577	U	<0.564	U	<0.597	U	<0.545	U	<0.56	U	1	22
Chromium, Trivalent	**15.30**		**14.60**		**16.30**		**16.80**		**8.75**		**21.30**		30	36
Cobalt	**6.46**		**7.97**		**7.42**		**7.70**		**5.82**		**7.72**		NS	NS
Copper	**19.80**		**19**		**16.50**		**15.90**		**11.50**		**18.50**		50	270
Iron	**20,200**		**21,200**		**22,200**		**20,600**		**12,800**		**26,400**		NS	NS
Lead	**45.90**		**27.10**		**32.20**		**29.90**		**6.74**		**18.40**		63	400
Magnesium	**1,580**		**1,870**		**1,770**		**2,430**		**1,730**		**2,080**		NS	NS
Manganese	**362**		**604**		**560**		**386**		**494**		**504**		1600	2000
Mercury	**0.16**		**0.076**		**0.073**		**0.056**		<0.0327	U	**0.074**		0.18	0.81
Nickel	**13.90**		**15.80**		**16.10**		**17.70**		**12.40**		**17.10**		30	140
Potassium	**786**		**749**		**757**		**767**		**602**		**994**		NS	NS
Selenium	**3.07**		**2.94**		**3.10**		**2.10**		**1.70**		**3.06**		3.9	36
Silver	<0.545	U	<0.577	U	<0.564	U	<0.597	U	<0.545	U	<0.56	U	2	36
Sodium	**58.10**		**55.80**		**49.90**		**63.90**		**41.40**		**59.20**		NS	NS
Thallium	<1.09	U	<1.15	U	<1.13	U	<1.19	U	<1.09	U	<1.12	U	NS	NS
Vanadium	**25.80**		**27.30**		**26.90**		**30.40**		**13.70**		**31.10**		NS	NS
Zinc	**46.50**		**43.40**		**42.80**		**45.10**		**18.90**		**38.70**		109	2200

Table 5
Soil Samples Analytical Results for TCLP Lead
83 Bushwick Place Brooklyn,NY

Sample ID	Grid #1 EP-1		Grid #1 EP-2		Grid #1 EP-3		Grid #1 EP-4		Grid #1 EP-5		Grid #1 EP-6		Grid #1 EP-7		Grid #1 EP-8		Grid #1 EP-9		Grid #1 EP-10		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential
Sampling Date	11/24/2014		11/24/2014		11/24/2014		11/24/2014		11/24/2014		12/5/2014		12/5/2014		12/5/2014		12/5/2014		12/5/2014				
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil				
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result				
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg	mg/Kg
Lead	**245**	**D**	**79.70**	**D**	**1,280**	**D**	**744**	**D**	**8.81**	**D**	**97.30**		**6.52**		**10.40**		**15.10**		**6.90**		63	400	400
Lead TCLP by EPA 6010																							
Units	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/Kg	mg/Kg	mg/Kg
Lead	**1.46**		**1.21**		**1.57**		**1.16**		**0.22**		**0.54**		**0.014**		**0.039**		**0.12**		**0.011**		63	400	400
TCLP Extraction for METALS EPA 1311																							
TCLP Extraction	Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		Completed		NS	NS	NS

NOTES:

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Table 6 Soil Disposal and Trucking Log Sheet 83 Bushwick Place, Brooklyn						
Shipment Date	**Manifest #**	**Tansporter Name / Truck Name**	**License Plate**	**On-Site Location (Approx. Depth)**	**Off-Site Disposal Facility**	**Tonnage**
12/15/2014	**251977**	**Cuenca #07**	**AQ721K**	**7**	**Palmerton**	**25.56**
12/15/2014	251978	Cuenca #43	AP577P	7	Palmerton	25.31
12/30/2014	**242913**	**Mendez #01**	**AR903C**	**3 (0' - 8')**	**TRC - Walnut Cut**	**26.88**
12/30/2014	242914	Mendez #223	AM320V	3 (0' - 8')	TRC - Walnut Cut	30.33
12/30/2014	242915	Mendez #22	AP874P	3 (0' - 8')	TRC - Walnut Cut	30.25
12/30/2014	242916	Mendez #27	AP279K	3 (0' - 8')	TRC - Walnut Cut	33.75
12/30/2014	242917	Mendez #62	AP865P	3 (0' - 8')	TRC - Walnut Cut	32.42
12/30/2014	242918	Mendez #98	AP792H	3 (0' - 8')	TRC - Walnut Cut	32.14
12/30/2014	242919	Mendez #91	AN556Y	3 (0' - 8')	TRC - Walnut Cut	32.08
12/30/2014	242920	Mendez #45	AS531D	3 (0' - 8')	TRC - Walnut Cut	28.63
12/30/2014	242921	Mendez #13	AP272K	3 (0' - 8')	TRC - Walnut Cut	30.97
12/30/2014	242922	Mendez #21	AN694R	3 (0' - 8')	TRC - Walnut Cut	31.18
12/30/2014	242923	Mendez #01	AR903C	3 (0' - 8')	TRC - Walnut Cut	33.95
12/31/2014	**242924**	**Mendez #97**	**AP791H**	**2 (0'-8')**	**TRC - Walnut Cut**	**29.13**
12/31/2014	242925	Mendez #87	AP719Y	2 (0'-8')	TRC - Walnut Cut	26.55
12/31/2014	242926	Mendez #56	45521B	2 (0'-8')	TRC - Walnut Cut	27.22
12/31/2014	242927	Mendez #55	AS520B	2 (0'-8')	TRC - Walnut Cut	27.22
1/6/2015	**242928**	**Mendez #29**	**AP256H**	**2**	**TRC - Walnut Cut**	**30.68**
1/6/2015	242929	Mendez #62	AP865P	2	TRC - Walnut Cut	31.03
1/6/2015	242930	Mendez #288	AN3797	2	TRC - Walnut Cut	29.46
1/6/2015	242931	Mendez #87	AP719Y	2	TRC - Walnut Cut	28.43
1/6/2015	242932	Mendez #91	AN556Y	2	TRC - Walnut Cut	31.32
1/6/2015	242933	Mendez #30	AP324X	2	TRC - Walnut Cut	33.79
1/6/2015	242934	Mendez #83	AL337N	2	TRC - Walnut Cut	33.97
1/6/2015	242935	Mendez #100	AP638R	2	TRC - Walnut Cut	30.83
1/6/2015	242936	Mendez #31	AP305X	2	TRC - Walnut Cut	32.4
1/20/2015	**260405**	**Mendez #101**	**AP639R**	**1**	**Palmerton**	**25.35**
1/20/2015	260406	Mendez #97	AP791H	1	Palmerton	26.65
1/20/2015	260407	Mendez #55	AS520B	1	Palmerton	27.38
1/20/2015	260408	Mendez #21	AN694R	1	Palmerton	25.79
1/20/2015	260409	Mendez #98	AP792H	1	Palmerton	27.62
1/20/2015	260410	Mendez #45	AS531D	1	Palmerton	27.82

1/20/2015	260411	Mendez #61	AP864P	1	Palmerton	27.59
1/20/2015	260412	Mendez #55	AS520B	1	Palmerton	29.24
1/20/2015	260413	Mendez #97	AP791H	1	Palmerton	27.42
1/20/2015	260414	Mendez #101	AP639R	1	Palmerton	31.62
1/20/2015	260415	Mendez #21	AN694R	1	Palmerton	24.83
1/20/2015	260416	Mendez #98	AP792A	1	Palmerton	28.73
2/12/2015	**63057**	**Mendez #83**	**AL337N**	**4 (8'-12')**	**PPark**	**31.88**
2/12/2015	63058	Mendez #420	AK185V	4 (8'-12')	PPark	27.56
2/12/2015	63059	Mendez #32	AP306X	4 (8'-12')	PPark	25.48
2/12/2015	63060	Mendez #28	AN69W	4 (8'-12')	PPark	25.42
2/12/2015	63061	Mendez #10	AN550M	4 (8'-12')	PPark	26.8
2/12/2015	63062	Mendez #288	AN370M	4 (8'-12')	PPark	26.85
2/12/2015	63063	Mendez #10	AN550M	4 (8'-12')	PPark	26.41
2/12/2015	63064	Mendez #83	AL337N	4 (8'-12')	PPark	28.65
2/12/2015	63065	Mendez #420	AK185V	4 (8'-12')	PPark	24.53
2/12/2015	63066	Mendez #32	AP306X	4 (8'-12')	PPark	26.33
2/12/2015	63067	Mendez #28	AN869W	4 (8'-12')	PPark	27.21
2/12/2015	63068	Mendez #288	AN370M	4 (8'-12')	PPark	30.16
2/12/2015	63069	Mendez #10	AN550M	4 (8'-12')	PPark	23.26
2/13/2015	**63070**	**Mendez #94**	**AP328G**	**WC-4 (8'-12')**	**PPark**	**29.28**
2/13/2015	63071	Mendez #97	AP791H	WC-4 (8'-12')	PPark	28.01
2/13/2015	63072	Mendez #101	AP639R	WC-4 (8'-12')	PPark	31.03
2/13/2015	63073	Mendez #11	AR904C	WC-4 (8'-12')	PPark	28.16
2/13/2015	63074	Mendez #61	AP864P	WC-4 (8'-12')	PPark	26.58
2/13/2015	63075	Mendez #44	AS530D	WC-4 (8'-12')	PPark	27.35
2/13/2015	63076	Mendez #24	AP690W	WC-4 (8'-12')	PPark	28.32
2/13/2015	63077	Mendez #01	AR903C	WC-4 (8'-12')	PPark	28.35
2/13/2015	63078	Mendez #45	AS531D	WC-4 (8'-12')	PPark	26.83
2/13/2015	63079	Mendez #56	AS521B	WC-4 (8'-12')	PPark	28.47
2/27/2015	**63081**	**Mendez #55**	**AS520B**	**4 (8'-12')**	**PPark**	**27.9**
2/27/2015	63082	Mendez #29	AP256H	4 (8'-12')	PPark	27.75
2/27/2015	63083	Mendez #223	AM320V	4 (8'-12')	PPark	26.95
2/27/2015	63087	Mendez #83	AL337N	4 (8'-12')	PPark	30.83
2/27/2015	63086	Mendez #420	AK185V	4 (8'-12')	PPark	27.67
2/27/2015	63085	Mendez #61	AP865P	4 (8'-12')	PPark	30.2
2/27/2015	63084	Mendez #10	AN550M	4 (8'-12')	PPark	24.88

2/27/2015	63089	Mendez #28	AN869W	4 (8'-12')	PPark	28.66
2/27/2015	63088	Mendez #288	AN370M	4 (8'-12')	PPark	27.94
2/27/2015	63090	Mendez #36	AN843J	4 (8'-12')	PPark	30.04
2/27/2015	63095	Mendez #55	AS520B	4 (8'-12')	PPark	31.34
2/27/2015	63094	Mendez #29	AP256H	4 (8'-12')	PPark	29.95
2/27/2015	63092	Mendez #223	AM320V	4 (8'-12')	PPark	31.15
2/27/2015	63093	Mendez #420	AK185V	4 (8'-12')	PPark	30.16
2/27/2015	63091	Mendez #83	AL337N	4 (8'-12')	PPark	31.87
3/4/2015	**63096**	**Mendez #94**	**AP328G**	**4 (8'-12')**	**PPark**	**30.75**
3/4/2015	63097	Mendez #101	AP639R	4 (8'-12')	PPark	32.03
3/4/2015	63098	Mendez #97	AP791H	4 (8'-12')	PPark	29.49
3/4/2015	63099	Mendez #24	AP690W	4 (8'-12')	PPark	30.53
3/4/2015	63100	Mendez #11	AR904C	4 (8'-12')	PPark	30.22
3/4/2015	63102	Mendez #61	AP864P	4 (8'-12')	PPark	28.56
3/4/2015	63101	Mendez #56	AS521B	4 (8'-12')	PPark	29.68
3/4/2015	63103	Mendez #44	AS530D	4 (8'-12')	PPark	27.86
3/4/2015	63104	Mendez #98	AP792H	4 (8'-12')	PPark	28.35
3/4/2015	63105	Mendez #45	AS531D	4 (8'-12')	PPark	27.27
3/8/2015	**47027**	**Mendez #22**	**AP874P**	**4 (8' - 12')**	**PPark**	**32.62**
3/13/2015	**63106**	**Mendez #11**	**AR904C**	**4**	**PPark**	**34.05**
3/13/2015	63107	Mendez #61	AP864P	4	PPark	36.16
3/13/2015	63108	Mendez #31	AP305X	4	PPark	32.62
3/13/2015	63109	Mendez #83	AL337N	4	PPark	36.51
3/13/2015	63110	Mendez #56	AS521B	4	PPark	31.1
3/13/2015	63111	Mendez #36	AN843J	4	PPark	35.3
3/13/2015	63112	Mendez #01	AR903C	4	PPark	32.95
3/13/2015	63113	Mendez #11	AR904C	4	PPark	31.57
3/13/2015	63114	Mendez #61	AP864P	4	PPark	28.33
3/13/2015	63115	Mendez #31	AP305X	4	PPark	30.49
3/13/2015	63116	Mendez #56	AS521B	4	PPark	27.98
3/13/2015	63117	Mendez #83	AL337N	4	PPark	34.83
3/13/2015	63118	Mendez #36	AN843J	4	PPark	32.7
3/13/2015	63119	Mendez #01	AR903C	4	PPark	3.09
3/17/2015	**47016**	**Mendez #97**	**AP791H**	**WC -5 (8' - 12')**	**PPark**	**30.25**
3/17/2015	47013	Mendez #44	AS530D	WC -5 (8' - 12')	PPark	30.76
3/17/2015	47012	Mendez #11	AR904C	WC -5 (8' - 12')	PPark	30.89

3/17/2015	47014	Mendez #45	AS531D	WC -5 (8' - 12')	PPark	31.53
3/17/2015	47015	Mendez #24	AP690W	WC -5 (8' - 12')	PPark	28.99
3/17/2015	47017	Mendez #01	AR903C	WC -5 (8' - 12')	PPark	31.82
3/17/2015	47020	Mendez #44	AS530D	WC -5 (8' - 12')	PPark	31.4
3/17/2015	47019	Mendez #11	AR904C	WC -5 (8' - 12')	PPark	31.26
3/17/2015	47022	Mendez #	AP640W	WC -5 (8' - 12')	PPark	31.44
3/17/2015	47018	Mendez #45	AS531D	WC -5 (8' - 12')	PPark	31.66
3/17/2015	47021	Mendez #97	AP791H	WC -5 (8' - 12')	PPark	24.28
3/17/2015	47026	Mendez #01	AR903C	WC -5 (8' - 12')	PPark	27.5
3/17/2015	47025	Mendez #55	AS520B	WC -5 (8' - 12')	PPark	34.69

Appendix 1

RIR and RAWP for Subject Property

225-227 BOERUM STREET/
83 BUSHWICK PLACE

BROOKLYN, NEW YORK

Remedial Investigation Report

OER Project Number 14RHAZ180K
NYC VCP Site Number: 14CVCP221K

Prepared for:

DJS Real Estate Development
750 3rd Avenue, 9th Floor
New York, NY 10017
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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database
UST	Underground Storage Tank

CERTIFICATION

I, Mark E. Robbins, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 225-227 Boerum Street Site, (OER Project No. 14RHAZ180K and NYC VCP Site No. 14CVCP221K). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Mark E. Robbins	1/13/14	
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 225-227 Boerum Street (aka 83 Bushwick Place) in East Williamsburg section of Brooklyn, New York and is identified as Block 3073 and Lot 97 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 5,559-square feet and is bounded by Bushwick Place to the west, Boerum Street to the south, a 2-story residential building to the east, and a 2-story warehouse to the north. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and undeveloped.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 4-story residential building with 20 dwelling units and a full cellar. The building will be identified as 83 Bushwick Place, Brooklyn NY. The proposed development will encompass the entire property footprints for a total gross floor area of approximately 13,191 square feet. The cellar at the site will consist of a mechanical space and a parking lot. The elevation of the cellar slab will be set at approximately 11.49 feet below grade or 10 feet below the first floor slab. The cellar slab will be approximately 6 inches in thickness and it will be installed on top of a 6-inch gravel bed.

Layout of the proposed site development is presented in Figure 3. The current zoning designation is M1-1 manufacturing district. The BSA will permit the proposed use upon approval of a Zoning Variance.

Summary of Past Uses of Site and Areas of Concern

Based upon the review of the Fire Insurance Maps and Regulatory Agency documents from the Phase I Environmental Site Assessment (ESA) Report prepared by Merritt Engineering Consultants, P.C. in January 2005, a Site history was established. The Site was utilized as a residential facility between 1933 and 1951 and mixed use residential and store facility between

1965 and 1981. The Site was vacant and undeveloped between 1992 and 1995 and was utilized as a parking lot in 2005. The Site has been vacant since 2007.

The AOCs identified for this site include:

1. Historic fill material present throughout the Site.

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a Ground Penetrating Radar (GPR) survey;
3. Installed five (5) soil borings across the entire project Site, and collected ten (10) soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed two (2) groundwater probes throughout the Site and collected two (2) groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed three (3) soil vapor probes around Site perimeter and collected three (3) samples for chemical analysis.
6. One (1) outdoor air sample was collected for chemical analysis.

Summary of Environmental Findings

1- No anomalies consistent with USTs were identified at the Site by the GPR survey.

2- Elevation of the property ranges is approximately 24 feet.

3- Depth to groundwater ranges from 20 to 21 feet at the Site.

4- Groundwater flow is generally from east to west in the direction of the East River.

5- Depth to bedrock is in excess of 10 feet at the Site.

6- The stratigraphy of the site, from the surface down, consists of historic fill with variable thickness ranging between zero and 8 feet (brown fine grained sand with varying amounts of bricks and pebbles). The fill layer is underlain by a layer of sand to variable depths ranging from 2 to 10 feet bgs (brown fine to coarse grained sand with varying amount of pebbles)

7- Soil/fill samples collected during the RI show trace levels of one VOC, isoptopyltoluene in one shallow soil sample at a concentration below Track 1 Unrestricted Use SCO (UUSCO) and Track 2 Restricted Residential SCO (RRSCO). No PCE or TCE were detected in any shallow or deep soil samples. SVOC's including benzo(a)pyrene (max. of 1.14 parts per million (ppm)), benzo(b)fluoranthene (max. of 1.07 ppm) and indeno(1,2,3-cd) pyrene (max. of 0.977 ppm) were detected in two deep and one shallow samples, at concentrations that exceeded Restricted Residential SCOs. One pesticide, 4,4, DDT (0.0525 ppm), was detected in 1 of 5 shallow soil samples and in 1 of 5 deep samples at concentrations that exceeded Unrestricted Use SCOs. There were no PCBs detected in any of ten soil samples. Several Metals exceeded Unrestricted Use SCOs in shallow and deep soils at the Site and included barium (maximum of 454 ppm), lead (maximum of 421 ppm), zinc (maximum of 241 ppm) and mercury (maximum of 1.58 ppm). Barium, lead and mercury also exceeded Restricted Residential SCOs in shallow soils. Only lead exceeded Restricted Residential SCOs in one deep sample (6-8' depths). Overall soil chemistry was unremarkable and does not indicate disposal of waste.

8- Groundwater samples collected during the RI show one chlorinated VOC, TCE (max. 10.7 µg/L) exceeding NYSDEC 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). A gasoline VOC, methyl tert-butyl ether was detected in 1 groundwater sample below its GQS. One SVOCs, bis(2-ethylhexyl)phthalate (max 10.8 µg/L) was detected in the 2 groundwater samples at concentrations exceeding GQS. No pesticide or PCBs were detected in any groundwater samples. Dissolved metals were not analyzed during the RI investigation. Several total metals exceeded their respective GQS.

9- Soil vapor samples collected during the RI show a wide range of compounds throughout the property including BTEX and associated petroleum related compounds as well as chlorinated hydrocarbons. BTEX and associated derivatives were found in all 3 soil vapor samples. The concentration of these compounds ranged from 0.69 ug/m^3 to 100 ug/m^3. These compounds were not detected in the soil or groundwater samples collected beneath the property and are not believed to be associated with an on-site source area. Among the chlorinated compounds, PCE was detected in 1 of 3 vapor samples at a concentration of 54 ug/m^3 and 1,1,1-TCA was also detected in 1 of 3 vapor samples at a concentration of 16 ug/m^3. Other chlorinated hydrocarbon compounds that were identified in soil vapor samples included carbon tetrachloride (0.45 ug/m^3), methylene

chloride (13 ug/m^3) and acetone (maximum 220 ug/m^3). The NYSDOH has established AGVs for three of the chlorinated VOCs analyzed: PCE, 111-TCA, and methylene chloride. The PCE and TCA concentrations are below the monitoring level ranges established within the State DOH soil vapor guidance matrix.

10- The outdoor air sample collected during the RI showed BTEX and associated compounds was detected at a maximum of 11 ug/m^3 and chlorinated compounds including PCE, chloroform, methylene chloride and carbon tetrachloride were detected at a maximum concentration of 3.1 ug/m^3. Acetone was the most abundant in the outdoor air sample and it was detected at a maximum concentration of 17 ug/m^3.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

DJS Real Estate Development has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.127-acre site located at 225-227 Boerum Street (aka 83 Bushwick Place) in East Williamsburg section of Brooklyn, New York. Residential use is proposed for the property. This investigation addresses the New York City Environmental Quality Review (CEQR Technical Manual – Chapter 17) in anticipation of a proposed residential development in a manufacturing zoning district under a Zoning Variance by the New York City Board of Standards and Appeals (BSA). This project has been assigned a BSA CEQR reference #**051BSA068K** and NYCDEP reference #**05DEPTECH154K**.

The RI work was performed during December 2007 and November 2013. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 225-227 Boerum Street (aka 83 Bushwick Place) in East Williamsburg section of Brooklyn, New York and is identified as Block 3073 and Lot 97 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 5,559-square feet and is bounded by Bushwick Place to the west, Boerum Street to the south, a 2-story residential building to the east, and a 2-story warehouse to the north. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and undeveloped.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 4-story residential building with 20 dwelling units and a full cellar. The building will be identified as 83 Bushwick Place, Brooklyn NY. The proposed development will encompass the entire property footprints for a total gross floor area of approximately 13,191 square feet. The cellar at the site will consist of a mechanical space and a parking lot. The elevation of the cellar slab will be set at approximately 11.49 feet

below grade or 10 feet below the first floor slab. The cellar slab will be approximately 6 inches in thickness and it will be installed on top of a 6-inch gravel bed.

Layout of the proposed site development is presented in Figure 3. The current zoning designation is M1-1 manufacturing district. The BSA will permit the proposed use upon approval of a Zoning Variance.

1.3 Description of Surrounding Property

The Site is located in a residential, commercial and light manufacturing/industrial neighborhood. A 2-story residential building bounds the Site to the east, a 2-story warehouse bounds the Site to north. A parking lot is located across the western vicinity of the Site and multiple residential buildings and a light manufacturing facility are located across the southern vicinity.

Within 500 feet radius of the Site, there are a variety of land uses including: residential (multi-story residential apartments), commercial, light manufacturing/industrial, vacant lots, parking, public transportation storage yard, public educational institution (Brooklyn Latin High School – PS 147) and open space. Properties located within 1/4-mile radius of the Site are zoned R6, R6A, R7A (residential districts), C1-3, C2-3 (commercial district) and M1-1 and M1-2 (light manufacturing and industrial district). Within 250 feet radius of the Site, one sensitive receptor identified as an outdoor recreational facility owned by the Board of Education is located in the southwestern vicinity of the Site. No other sensitive receptors were identified. Figure 4 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Based upon the review of the Fire Insurance Maps and Regulatory Agency documents from the Phase I Environmental Site Assessment (ESA) Report prepared by Merritt Engineering Consultants, P.C. in January 2005, a Site history was established. The Site was utilized as a residential facility between 1933 and 1951 and mixed use residential and store facility between 1965 and 1981. The Site was vacant and undeveloped between 1992 and 1995 and was utilized as a parking lot in 2005. The Site has been vacant since 2007.

2.2 Previous Investigations

Previous investigations performed at the Site included the following:

- Phase-I Environmental Site Assessment (ESA), January 2005, Merritt Engineering Consultants, P.C.
- Site Investigation Report, December 2007, Hydro Tech Environmental, Corp.

Appendix A provides all previous environmental investigations.

2.3 Site Inspection

John Perotti of Merritt Engineering Consultants, P.C performed the Site inspection on January 19, 2005. The Site reconnaissance included a visual inspection of all vacant undeveloped portions of the Site and the adjacent land uses.

At the time of the inspection, the Site consisted of paved parking lot. The Site vicinity consisted of residential and commercial uses.

2.4 Areas of Concern

Based upon the results of the previous investigation, the AOCs identified for this site include:

1. Historic fill material present throughout the Site.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Mark E. Robbins.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations. Hazardous waste, concentrated soil or semi-solid substances, soils with free product or NAPL and/or grossly contaminated media were not generated during the investigation.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The following is the scope of work that summarizes the remedial investigatory efforts at the Site:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a Ground Penetrating Radar (GPR) survey;
3. Installed five (5) soil borings across the entire project Site, and collected ten (10) soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed two (2) groundwater probes throughout the Site and collected two (2) groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed three (3) soil vapor probes around Site perimeter and collected three (3) samples for chemical analysis.
6. One (1) outdoor air sample was collected for chemical analysis.

4.1 Geophysical Investigation

A geophysical survey consisting of Ground Penetrating Radar (GPR) survey was performed at the Site during December 2007. The purpose of the geophysical survey was to identify the presence of any subsurface anomalies indicative of suspect USTs.

The survey was performed over a grid pattern that was determined immediately prior to the survey. The GPR operator wheeled the antenna over the predetermined grid. The GPR takes one "scan" per set unit. The number of scans per unit is based upon the estimated size of targets. As each scan is performed, the antenna emits specific radar amplitude into the subsurface. The amplitude of the radar reflected back to the antenna is based upon the differences in the dielectric constants of the subsurface materials. The differences in amplitude obtained during each scan are graphically displayed on the Control Unit, which are then interpreted by the GPR operator. Additional interpretations are then conducted in the office using computer software.

The GPR survey was performed successfully over approximately 95 percent of the Site. No anomalies indicative of suspect USTs were identified during the GPR survey.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

Five (5) soil probes designated SP-1 to SP-5 were installed and sampled at the Site. The soil probes were installed utilizing Hydro Tech's fleet of Geoprobe® fitted with Geoprobe® tooling and sampling equipment. Soil samples were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners. Each Macro Core was cut open and immediately screened with a Photo Ionization Detector (PID) for VOCs, prior to collecting the required samples for laboratory analysis. The soil was screened and characterized at two-foot intervals. Continuous soil samples were collected during soil probe installation.

Boring logs were prepared by a geologist are attached in Appendix B. A map showing the location of soil borings is shown in Figure 5.

Groundwater Probes

Two (2) groundwater probes designated GP-1 and GP-2 were installed across the Site utilizing similar technology as the soil probes. Each groundwater probe was installed with 2-inch diameter drill rods. The groundwater sampler consisted of a 4-foot long screen with a slot size of 0.010 inches. The screen is driven into watertight sheath within the water table. Groundwater sample was then collected from the screen utilizing an inertial pump fitted with dedicated polyethylene tubing.

A map showing the location of groundwater probes is shown in Figure 5.

Soil Vapor Boring Construction

Three (3) soil vapor probes designated SV-1 to SV-3 and were installed during this RI. Soil vapor probes were installed to 12 feet bgs. A map showing the locations of soil vapor borings is shown in Figure 5.

The soil vapor probes were installed utilizing similar technology as the soil probes in accordance with the NYSDOH Guidance of Evaluating Soil Vapor Intrusion dated October 2006. Each soil vapor sampling point consisted of a stainless steel screen, or implant, fitted with dedicated inert polyethylene tubing. Each of the implants is of 1½-inch diameter. The soil vapor implant was installed in the subsurface soil. Glass beads were poured into the hole to fully

encompass the screen implant and the hole was sealed with bentonite and quick dry-lock non-VOC quick set cement. After installation of the probes, one to three volumes were purged prior to collecting the samples.

Ambient Outdoor Air Sampling

One (1) outdoor air sample OA-1 was collected during the RI at the Site. Outdoor air sample was collected simultaneously with the soil vapor samples from typical breathing zone heights in accordance to the NYSDOH Indoor Air Sampling and Analysis Guidance dated October 2006.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Ten (10) soil samples were collected from the soil-borings on-Site for laboratory analysis; these included five (5) shallow soil samples from zero to 2 feet below grade surface (bgs), four (4) deep soil samples were collected at 6 to 8 feet bgs and one (1) deep sample was collected at 8 to 10 feet. Samples were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners.

All samples were properly handled and placed into the appropriately labeled containers. The samples were placed in a cooler filled with ice and maintained at a maximum 4 degrees Celsius. All samples were transmitted under proper chain of custody procedures to a State-certified (ELAP) laboratory for confirmatory laboratory analyses. All holding times were met. The

laboratory did not report any irregularities with respect to their internal Quality Assurance/Quality Control.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 1. Figure 5 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

Two (2) groundwater samples were collected for chemical analysis during this RI. Groundwater samples were collected using the low stress (low flow) purging and sampling procedure. The low flow was accomplished with a Solinst Model 410 Peristaltic Pump.

All water samples were collected in laboratory supplied jars, properly labeled with the well number, the date and time of sampling, the analytical requirements, and then placed on ice for the duration of the sampling and transport to the laboratory. A chain of custody form was completed at the time of sampling and maintained until disposition of the samples at the laboratory.

Groundwater sample collection data is reported in Table 2. Figure 5 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor and Outdoor Air Sampling

Three (3) soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 5. Soil vapor sample collection data is reported in Table 3. Soil vapor sampling log is included in Appendix C. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

A soil vapor sample from each vapor probe was collected utilizing 6 liter pre-cleaned, passivated, evacuated whole air Summa® Canister. In order to insure the integrity of the borehole seal and to verify that ambient air is not inadvertently drawn into the sample, a tracer gas, Helium, was used to enrich the atmosphere in the immediate vicinity of the sampling location. Plastic sheeting was used to keep the tracer gas in contact with the soil vapor probe during the sampling while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-gas Detector). Helium Detector readings did not exceed zero ppm indicating Helium was not detected. Following verification that the surface seal was

tight and prior to soil vapor sampling, approximately 0.3 ml of air was purged out of all vapor points utilizing a syringe.

One (1) outdoor air sample OA-1 was collected at the same time as the soil vapor samples utilizing 6-liter Summa Canister.

The Summa Canisters were calibrated for 6 hours and the soil vapor sampling was run on each canister for the duration of 6 hours. The initial vacuum (inches of mercury) and start time was recorded immediately after opening each Summa Canister. After the sampling was complete, the final vacuum and top time was recorded. After the soil vapor sampling, each Summa was labeled and sent to a laboratory certified to perform air analysis in New York State.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Mark E. Robbins
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were York Analytical Laboratories, Inc. and South Mall Analyticals Labs, Inc.
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007);

	• VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor and outdoor air analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Table 1, 2 and 3. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix D, E, and F.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

The Site is located in the northern portion of the borough of Brooklyn, New York. The elevation of the Site is approximately 24 feet above mean sea level (USGS 7 ½-Minute Brooklyn, New York Quadrangle, 1969, Photo revised 1979).

Stratigraphy

The stratigraphy of the Site, from surface down, consists of historic fill with variable thickness ranging between zero and 8 feet (brown fine grained sand with varying amounts of bricks and pebbles). The fill layer is underlain by a layer of sand to variable depths ranging from 2 to 10 feet bgs (brown fine to coarse grained sand with varying amount of pebbles). Boring logs describing surface conditions are presented in Appendix D.

Hydrogeology

According to the USGS Depth to Water Viewer, the regional depth to groundwater in the vicinity of the Subject Property is estimated at approximately 20 to 21 feet. The regional groundwater flow direction in the vicinity of the Subject Property is presumed to be toward the west in the direction of the East River.

5.2 Soil Chemistry

Soil samples collected during the RI show one VOC, isoptopyltoluene was detected in 1 of 10 shallow and deep soil samples at a concentration below Track 1 Unrestricted Use SCO (UUSCO) and Track 2 Restricted Residential SCO (RRSCO). No PCE or TCE were detected in any shallow or deep soil samples. SVOC's including benzo(a)pyrene (max. of 1.14 ppm), benzo(b)fluoranthene (max. of 1.07 ppm) and indeno(1,2,3-cd) pyrene (max. of 0.977 ppm) were detected in 1 of 5 shallow soil samples and 1 of 5 deep samples at concentrations that exceeded UUSCOs and RRSCOs. 2-methylphenol (0.469 ppm) was also detected in 1 deep soil sample at a concentration that exceeded its UUSCO. Total SVOCs in shallow soils range from 0.63 ppm to 11.02 ppm. Total SVOCs in deep soils range from 1.4 ppm to 13.8 ppm. The SVOC's are PAH compounds and are likely attributed to the presence of historic fill material at the property. One pesticide DDT (0.0525 ppm) was detected in in 1 of 5 shallow soil samples and in 1 of 5 deep samples at concentrations that exceeded UUSCOs. PCBs did not occur in any of the shallow or

deep soil samples. Metals were detected in shallow and deep soils at the Site. Lead (maximum of 421 ppm exceeded RRSCO in 3 shallow samples and UUSCO in 1 deep sample. Mercury (maximum of 1.58 ppm) exceeded UUSCO in 1 shallow soil sample. Zinc exceeded UUSCOs in 3 shallow and 2 deep soil samples but did not exceed RRCSO.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 1. Figure 6 to Figure 8 show the location and posts the values for soil/fill that exceed the 6NYCRR Part 375 Soil Cleanup Objectives.

5.3 Groundwater Chemistry

Groundwater samples collected during the RI show a chlorinated VOC, TCE, was detected in the 2 groundwater samples (max. 10.7 µg/L) and its concentration in 1 sample exceeded NYSDEC Part 703.5 Groundwater Quality Standards (GQS). No PCE or other PCE derived compounds occurred in any groundwater samples. A gasoline VOC, methyl tert-butyl ether, was detected in 1 groundwater sample below GQS. One SVOCs, bis(2-ethylhexyl)phthalate (max 10.8 µg/L) was detected in the 2 groundwater samples at concentrations exceeding GQS. No pesticide or PCBs occurred in any groundwater samples.

Dissolved metals were not analyzed during the RI investigation. Total metals were detected in the 2 groundwater samples and included copper, beryllium, cadmium, lead and chromium, the concentrations of which exceeded GQS. Other metals such as iron, sodium, manganese, magnesium were also detected in the groundwater samples at concentrations exceeding GQS.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 2. Figures 9 to 11 show the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 Soil Vapor and Outdoor Air Chemistry

Soil vapor samples collected during the RI show a wide range of compounds throughout the property including BTEX and associated petroleum related compounds as well as chlorinated hydrocarbons. BTEX and associated derivatives were found in all 3 soil vapor samples. The concentration of these compounds ranged from 0.69 ug/m^3 to 100 ug/m^3. These compounds were

not detected in the soil or groundwater samples collected beneath the property and are not believed to be associated with an on-site source area. Among the chlorinated compounds, PCE was detected in 1 of 3 vapor samples at a concentration of 54 ug/m^3 and 1,1,1-TCE was also detected in 1 of 3 vapor samples at a concentration of 16 ug/m^3. Other chlorinated hydrocarbon compounds that were identified in soil vapor samples included carbon tetrachloride (0.45 ug/m^3), methylene chloride (13 ug/m^3) and acetone (maximum 220 ug/m^3).

The NYSDOH has established AGVs for the two of the chlorinated VOCs analyzed: PCE and methylene chloride. PCE concentration detected in soil vapor at the site of 54 μg/m^3 is below the corresponding AGV of 100 μg/m^3. Methylene chloride was detected at a concentration of 13 μg/m^3, which is below the corresponding AGV of 60 μg/m^3.

The outdoor air sample collected during the RI identified BTEX and associated compounds, which occurred at a maximum of 11 ug/m^3. Chlorinated compounds including PCE, chloroform, methylene chloride and carbon tetrachloride also occurred in the outdoor air sample at a maximum at a concentration of 3.1 ug/m^3. Acetone was the most abundant in the outdoor air sample and it was detected at a maximum concentration of 17 ug/m^3.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 3. Figure 12 shows the location and posts the values for soil vapor samples with detected concentrations.

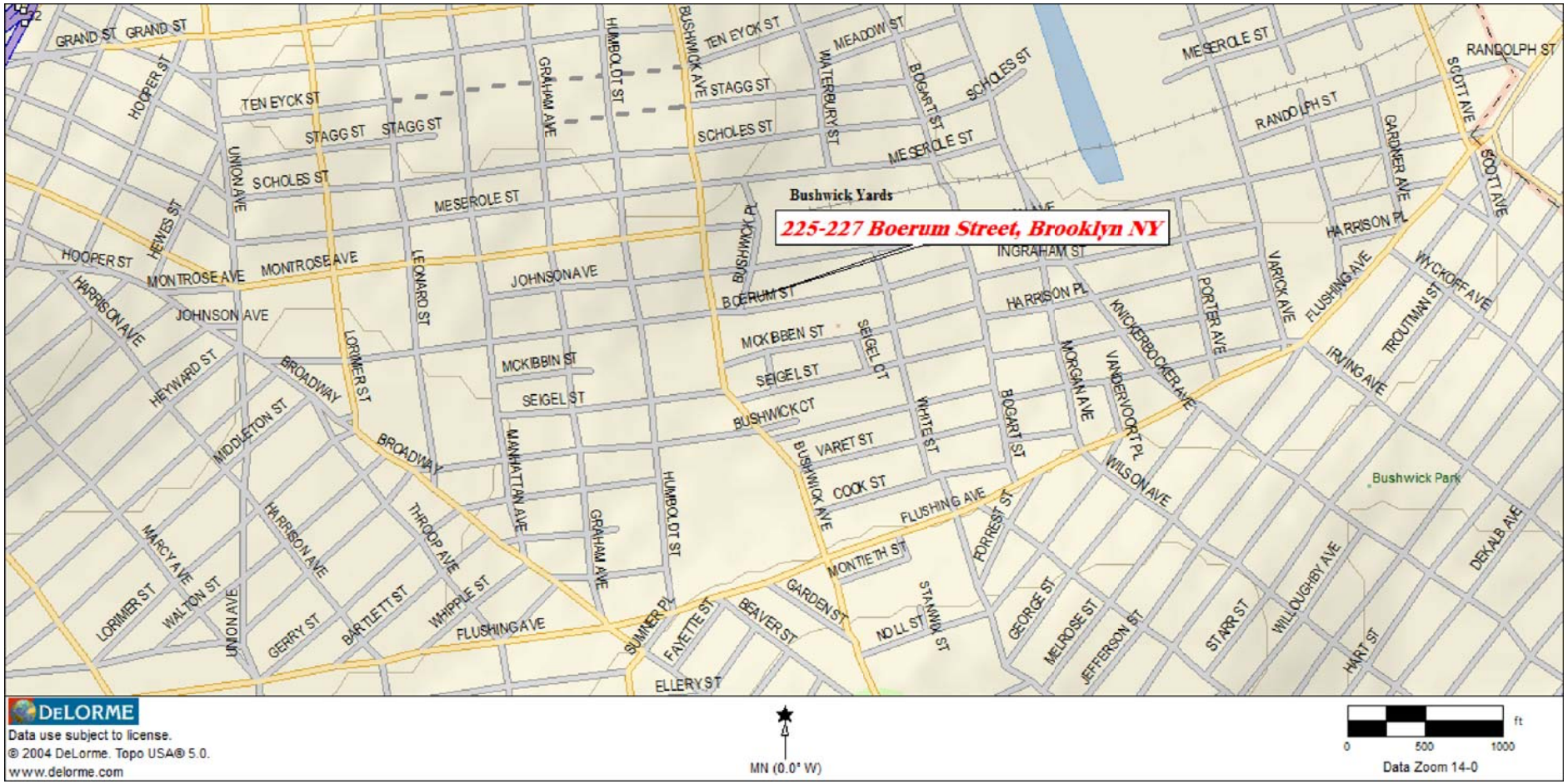
5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

FIGURES



HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
77 ARKAY DRIVE, SUITE G
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T (718)636-0800 F (718)636-0900

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225 - 227 Boerum Street
Brooklyn, NY.
HTE Job# 130293

Drawn By: C.Q.
Reviewed By: M.R
Approved By: M.S
Date: 01/02/13
Scale: AS NOTED

TITLE:

FIGURE 1: SITE LOCATION MAP

Figure-2: Site Boundary Map

BK-739-A

SCALE: 1" = 16'

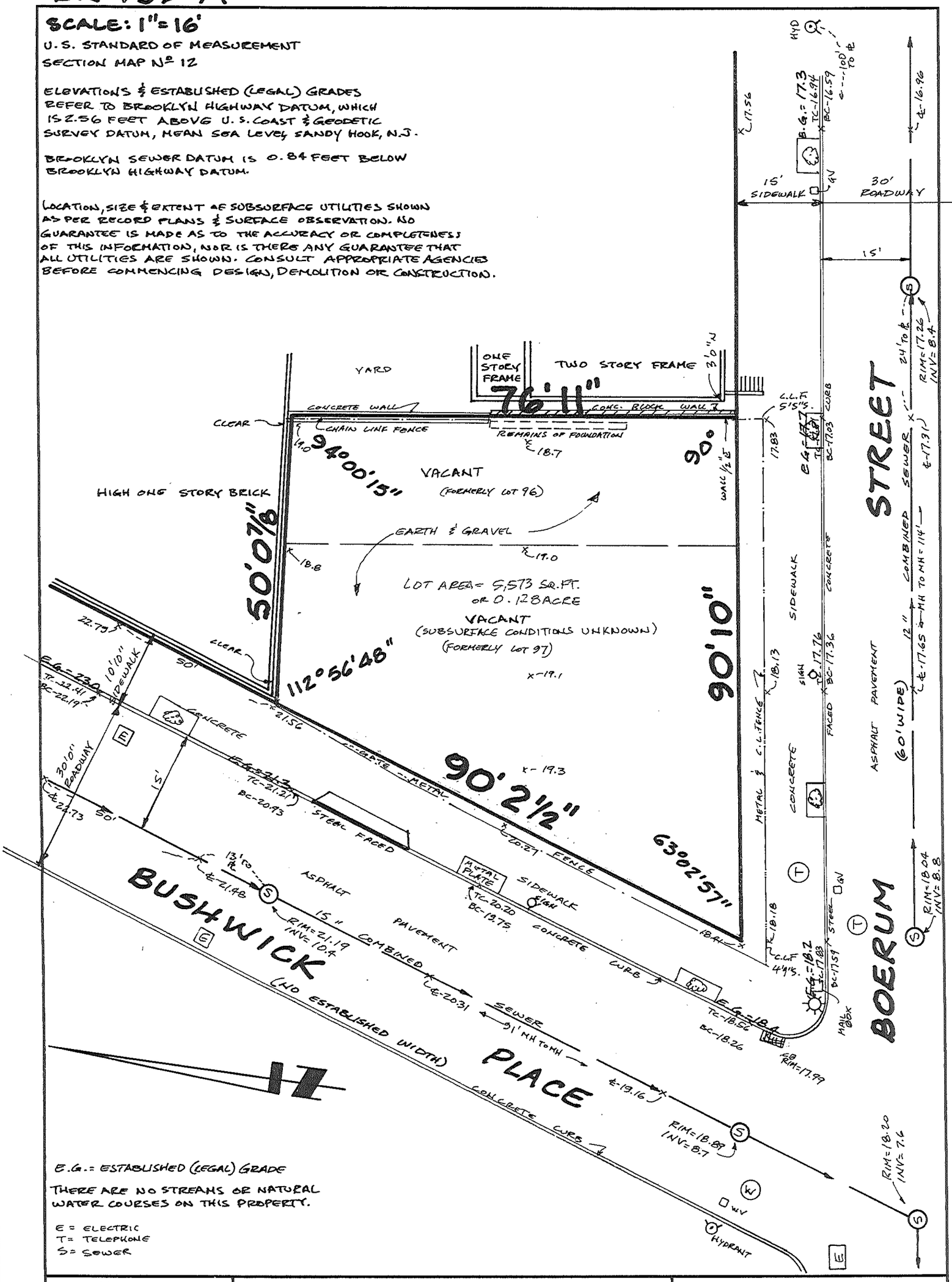
U.S. STANDARD OF MEASUREMENT

SECTION MAP Nº 12

ELEVATIONS & ESTABLISHED (LEGAL) GRADES REFER TO BROOKLYN HIGHWAY DATUM, WHICH IS 2.56 FEET ABOVE U.S. COAST & GEODETIC SURVEY DATUM, MEAN SEA LEVEL SANDY HOOK, N.J.

BROOKLYN SEWER DATUM IS 0.84 FEET BELOW BROOKLYN HIGHWAY DATUM.

LOCATION, SIZE & EXTENT OF SUBSURFACE UTILITIES SHOWN AS PER RECORD PLANS & SURFACE OBSERVATION. NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, NOR IS THERE ANY GUARANTEE THAT ALL UTILITIES ARE SHOWN. CONSULT APPROPRIATE AGENCIES BEFORE COMMENCING DESIGN, DEMOLITION OR CONSTRUCTION.



STATE OF NEW YORK
ANGELO J. FIORENZA
No. 049468
LICENSED LAND SURVEYOR

N.Y. STATE LIC. Nº 49468

SURVEY OF PROPERTY KNOWN AS

LOT 97, BLOCK 3073

IN SECTION 10 OF THE TAX MAP OF THE CITY OF NEW YORK

BOROUGH OF BROOKLYN

KINGS COUNTY, NEW YORK

SURVEYED ON MARCH 1, 1994

ANGELO J. FIORENZA, SURVEYING, P.C.
68-61 YELLOWSTONE BLVD.
FOREST HILLS, NEW YORK, 11375

CERTIFIED TO:

DYNATEC CONTRACTING
DJS REALESTATE DEVELOPMENT LLC

RE-SURVEYED: JUNE 20, 2008
AUGUST 10, 2013

Figure-3: Proposed Redevelopment Plan

AUFGANG ARCHITECTS

November 18, 2013

Re: 225-227 Boerum Street, Brooklyn
Project Description

To Whom It May Concern:

We are the Architect for the proposed project listed above.

The proposed building is a 13,191 sq. ft. residential structure with 20 apartments. It is four (4) stories tall. There will be a full Cellar at this site containing mechanical space and parking set at elevation 11.49 ft. which is 10 ft. below the 1st Floor elevation of 21.49 ft.

This is a non-elevator building. Cellar slab construction will consist of the following: 6" concrete slab over 6" of gravel fill for a total excavation depth of 10'-0" below the 1st floor slab.

Very truly yours,

AUFGANG ARCHITECTS, LLC
Ariel Aufgang, AIA, Principal

AA:cet

49 North Airmont Road
Suffern, New York 10901
Office 845 368 0004
www.aufgang.com

PROPOSED NEW DEVELOPMENT FOR:

BUSHWICK PLACE APARTMENTS

83 BUSHWICK PLACE, BROOKLYN, NEW YORK 11206

RENDERING - SOUTH VIEW

BLOCK # 3073-LOT # 97

DRAWING SCHEDULE:

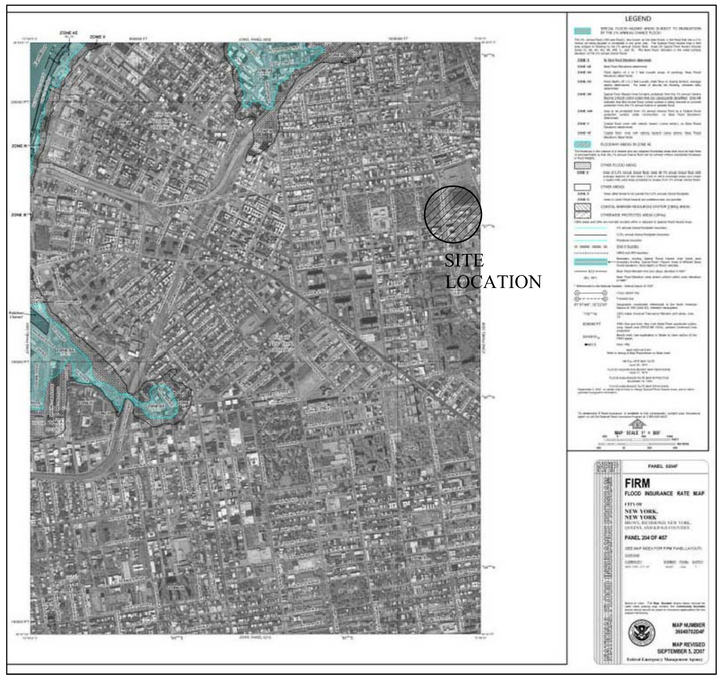
T-001	COVER SHEET
C-001	SCHEMATIC SITE PLAN & SURVEY
Z-001	ZONING ANALYSIS
EN-001	ENERGY ANALYSIS
A-001	GENERAL NOTES
A-002	ACCESSIBILITY DIAGRAMS
A-003	EGRESS PLANS
A-100	CELLAR FLOOR PLAN
A-101	FIRST FLOOR PLAN
A-102	SECOND &THIRD FLOOR PLAN
A-103	FOURTH FLOOR PLAN
A-104	ROOF AND STAIR BULKHEAD PLAN
A-200	FRONT ELEVATION
A-201	LEFT SIDE ELEVATION
A-202	REAR ELEVATION
A-203	RIGHT SIDE ELEVATION
A-204	CROSS SECTION A-A
A-205	CROSS SECTION B-B
A-300	ENLARGED STAIRS A&B - PLANS & SECTIONS
A-301	ENLARGED STAIR C - PLANS & SECTIONS
A-302	ENLARGED STAIR D - PLANS & SECTIONS
A-303	ENLARGED EXTERIORS STAIR & RAMP - PLANS & SECTIONS
A-304	STAIRS - MISCELLANEOUS DETAILS
A-305	PARKING RAMP - SECTIONS & DETAILS
A-306	ENLARGED COMPACTOR CHUTE - PLANS, SECTIONS & MISC. DETAILS
A-400	TYPICAL EXTERIOR WALL SECTION
A-401	TYPICAL EXTERIOR WALL SECTION
A-402	MISCELLANEOUS DETAILS
A-403	MISCELLANEOUS DETAILS
A-404	MISCELLANEOUS DETAILS
A-405	MISCELLANEOUS DETAILS
A-406	MISCELLANEOUS DETAILS
A-407	TYPICAL WINDOW DETAILS
A-408	MISCELLANEOUS DETAILS
A-500	KITCHEN ELEVATIONS & MISC. INTERIOR DETAILS
A-501	BATHROOM ELEVATIONS & MISC. INTERIOR DETAILS
A-600	DOOR/LOUVERS/FINISH SCHEDULES & MISC. DETAILS
A-601	WINDOWS SCHEDULE & MISC. DETAILS

ARCHITECT:

asap Aufgang + Subotovsky Architecture and Planning PLLC

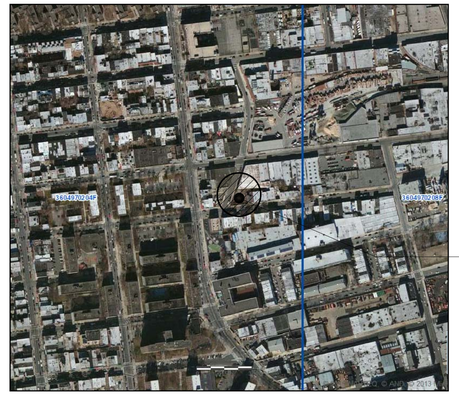
49 North Airmont Road, Suffern, NY 10901 tel: 845.368.0004 fax: 800.772.8304 www.asaparchitecture.com

NOTE:
THIS SITE DOES NOT FALL UNDER A FLOOD HAZARD AS PER FLOOD INSURANCE RATE MAP#3604970204F.-BC G105-



FLOOD MAP

NOT TO SCALE



AERIAL VIEW

NOT TO SCALE

VICINITY MAP

NOT TO SCALE

APARTMENT DISTRIBUTION					
FLOOR	0BR	1BR	2BR	TOTAL PER FLOOR	H. ADAPTABLE APT. UNIT
1ST	1	2	2	5	5
2ND	0	2	3	5	0
3RD	0	2	3	5	0
4TH	1	4	0	5	0
TOTAL	2	10	8	20	5
PERCENT	10%	50%	40%	100%	25%

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10-30-13	ISSUED FOR CONSTRUCTION
9-23-13	PROGRESS SET
8-15-13	ISSUED TO D.O.B. TO REVIEW AND COMMENT
DATE	REVISIONS

asap Aufgang + Subotovsky Architecture and Planning PLLC

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PROPOSED NEW DEVELOPMENT FOR:
83 BUSHWICK PLACE
BROOKLYN, NY.

COVER SHEET

DATE:	08-16-13
PROJECT NO:	1231
DRAWN BY:	RTN
CHECKED BY:	ED
DRAWING NO:	T-001.00
SCALE: AS NOTED	SHEET NO:1 of 38
NYC DOB NUMBER:	XXXXXXXXX

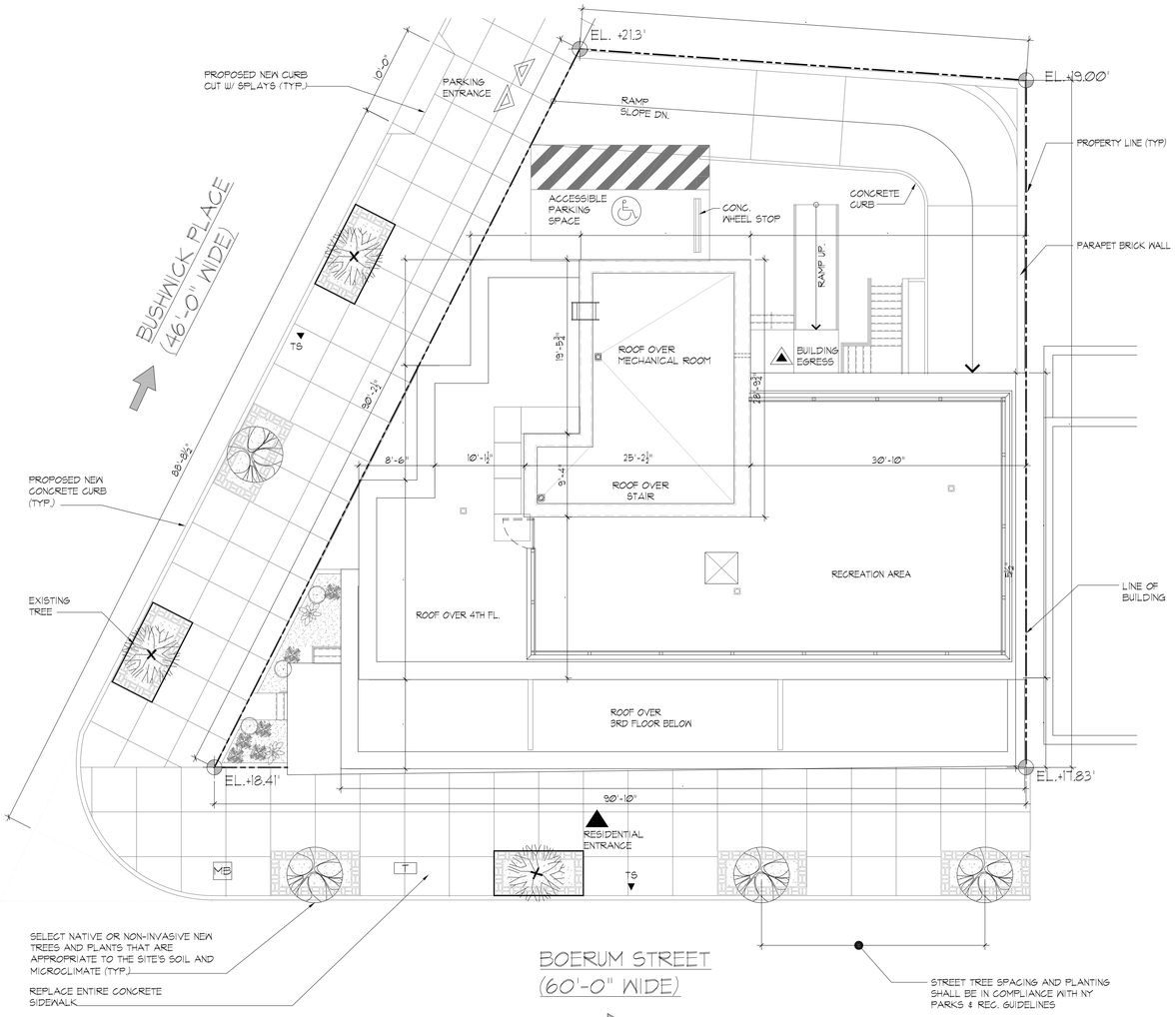
P1231_T-001.00

ZONING USE GROUP: 2 & 4
BUILDING OCCUPANCY GROUP: J-2
CONSTRUCTION CLASSIFICATIONS: I-C
(NON-COMBUSTIBLE) 2HR. PROTECTED

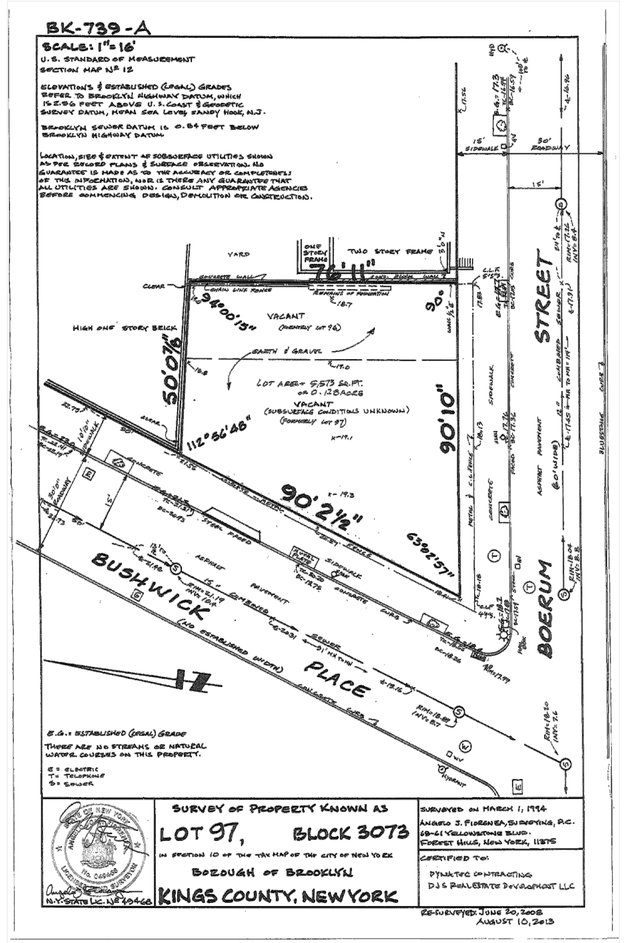
LEGEND:

- TRAFFIC DIRECTIONS
- EXISTING TRAFFIC SIGN
- EXISTING UTILITY POLE
- EXISTING HYDRANT
- EXISTING BUS STOP
- EXISTING ELECTRIC BOX
- EXISTING TELEPHONE BOX
- MAIL BOX
- EXISTING TRAFFIC LIGHTS POST
- EXISTING LIGHT POST
- BUILDING ENTRANCE
- BUILDING EGRESS
- PARKING ENTRANCE
- PROPOSED NEW STREET TREE W/ 5' X 10' TREE PIT
- EXISTING TREE TO REMAIN
- BENCH
- STORM DRAIN
- EXTERIOR LIGHTING
- PLANTING AREA
- CONCRETE BLOCK PAVERS

BASE HEIGHT CALCULATION
21.3' + 18.41' = 39.71' / 2 = 19.85' x 90'-2½" = 1,790.47'
18.41' + 17.83' = 36.24' / 2 = 18.12' x 90'-10" = 1,645.84'
181'-0½" = 3,436.31'
3,436.31' / 181'-0½" = 18.99'
BASE PLANE = 18.99'



SCHEMATIC SITE PLAN
SCALE : ⅛" = 1'-0"



SURVEY
NOT TO SCALE

GENERAL NOTES:

1. ALL FILL USED BELOW SLABS UNDER BUILDINGS AND IN PAVED AREAS SHALL BE QUALITY SANDY MATERIAL AND SHALL BE COMPACTED IN 12" LAYERS TO 95% DENSITY TO PREVENT SETTLEMENT AS PER ASTM D1557, METHOD C.
2. CONTRACTOR MUST ALSO FOLLOW ALL REQUIREMENTS FOR PREPARATION, CLEARING, PROOF ROLLING, FILL REPLACEMENT RECOMMENDED BY A REPORT ON SOIL AND FOUNDATION INVESTIGATION.
3. ALL FILL SHALL BE COMPACTED WITH SOIL COMPACTION EQUIPMENT RATHER THAN BY HAND TAMPING (EXCEPT AROUND PIPES, ETC.)
4. THE THICKNESS OF FILL LAYERS PLACED SHALL BE COMPATIBLE WITH THE TYPE OF COMPACTION EQUIPMENT USED.
5. THE ATTAINMENT OF SPECIFIED DENSITIES SHALL BE VERIFIED BY FIELD DENSITY TESTS MADE BY AN INDEPENDENT TESTING LABORATORY ON EACH LAYER OF MATERIAL COMPACTED. ONE TEST PER 5,000 SQ. FT. OF SURFACE AREA SHALL BE MADE ON EACH LAYER WITHIN THE BUILDING.

EROSION & SEDIMENT CONTROL PLAN CONSTRUCTION SEQUENCE:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES, EXCLUDING CATCH-BASIN MEASURES, SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES AND OR UTILITIES.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND/OR STABILIZED.
3. INSTALL STABILIZED CONSTRUCTION ENTRANCE AS INDICATED ON PLAN.
4. INSTALL SILT FENCE AND/OR HAY BALE BARRIERS DOWN SLOPE OF ALL AREAS TO BE DISTURBED AND DOWN SLOPE OF ALL AREAS DESIGNATED FOR TOPSOIL STOCKPILING.
5. CONSTRUCT BERMS, TEMPORARY SWALES AND PIPES AS NECESSARY TO DIRECT RUNOFF TO TEMPORARY SEDIMENTATION ENTRAPMENT AREAS.
6. CLEAR EXISTING TREES, VEGETATION AND EXISTING STRUCTURES FROM AREAS TO BE FILLED OR EXCAVATED. STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE DISTURBED. SEED STOCKPILED TOPSOIL WITH TEMPORARY RYE GRASS COVER.
7. PERFORM EXCAVATION AND FILL TO BRING LAND TO DESIRED GRADE. ANY DISTURBED AREAS TO REMAIN BARE SHOULD BE SEEDED WITH TEMPORARY RYE GRASS.
8. INSTALL UNDERGROUND UTILITIES, MANHOLES AND CATCH BASINS. GRATES OF CURB AND FIELD INLETS SHOULD BE LEFT AT ELEVATIONS WHICH PERMIT PROPER COLLECTION OF SURFACE RUNOFF.
9. INSTALL HAY BALE RINGS AROUND ALL CURB AND FIELD INLETS EXCEPT FOR THE BASINS LOCATED AT THE ANTI TRACKING PAD. BASINS AT THE PAD SHALL BE TREATED WITH THE CATCH BASIN-FILTER FABRIC DETAIL.
10. CONSTRUCT CURBS AND INSTALL BASE AND BINDER COURSES OF PAVED AREAS. RAISE GRATES OF CURB AND FIELD INLETS ACCORDINGLY.
11. COMPLETE FINE GRADING.
12. RAISE GRATES OF CURB AND FIELD INLETS TO FINAL ELEVATIONS. INSTALL SURFACE COURSE OF PAVEMENT.
13. UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED AREAS ARE TO BE SEEDED. REFER TO LANDSCAPING PLAN FOR PERMANENT SEEDING SPECIFICATIONS. ALL TEMPORARY DEVICES SHALL BE REMOVED AND THE AFFECTED AREAS REGRADED, PLANTED OR TREATED IN ACCORDANCE WITH THE APPROVED SITE PLANS.

STANDARD EROSION CONTROL NOTES:

1. ALL CONTROL MEASURES FOR EROSION AND SEDIMENTATION SHALL COMPLY WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
   - A) INSPECTIONS OF ALL CONTROL MEASURES PER THE SWPPP.
   - B) WEEKLY INSPECTIONS AND DOCUMENTATION OF EROSION CONTROL PRACTICES.
   - C) INSPECTIONS OF ALL CONTROL MEASURES BEFORE FORECASTED AND AFTER PERIODS OF HEAVY OR PROLONGED RAIN RESULTING IN MORE THAN 0.5-INCHES
   - D) WEEKLY INSPECTIONS OF ON AND OFF-SITE AREAS DOWNSTREAM FROM CONSTRUCTION ACTIVITIES.
2. THE INSPECTIONS SHALL BE CONDUCTED BY THE APPLICANT AND/OR HIS REPRESENTATIVE, I.E. THE SITE ENGINEER, OR THE CONTRACTOR, TO DETERMINE THE FOLLOWING.
   - A) THE CONDITIONS OF THE CONTROL MEASURES AND THE NEED FOR REPAIR OR REPLACEMENT
   - B) THE NEED FOR MAINTENANCE, E.G. REMOVAL OF SEDIMENT FROM BARRIERS, TRAPS, AND BASINS.
   - C) THE NEED FOR ADDITIONAL CONTROL MEASURES.
   - D) THE NEED FOR REAPPLICATION OF SEEDING, NETTING AND/OR MULCHING.
   - E) THE OVERALL EFFECTIVENESS OF THE CONTROL PLAN.
3. ALL TEMPORARY AND PERMANENT CONTROL DEVICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL NECESSARY REPAIRS SHALL BE PERFORMED IMMEDIATELY.
4. THESE PLANS INDICATE THE CONTROL MEASURES TO BE PUT IN PLACE. ADDITIONAL CONTROL MEASURES SHALL BE IMPLEMENTED AS SITE CONDITIONS CHANGE AND UNFORSEEN PROBLEMS OCCUR. IMPLEMENTATION OF THE ADDITIONAL CONTROL MEASURES SHALL BE AT THE ISCRETION OF THE SITE INSPECTOR.
5. AN EROSION CONTROL SYSTEM WILL BE UTILIZED BY THE DEVELOPER TO MINIMIZE THE PRODUCTION OF SEDIMENT FROM THE SITE. METHODS TO BE UTILIZED WILL BE THOSE FOUND MOST EFFECTIVE FOR THE SITE AND SHALL INCLUDE ONE OR MORE OF THE FOLLOWING, AS APPLICABLE.
   - A) TEMPORARY SEDIMENTATION ENTRAPMENT AREAS SHALL BE PROVIDED AT KEY LOCATIONS TO INTERCEPT AND CLARIFY SILT LADEN RUNOFF FROM THE SITE. THESE MAY BE EXCAVATED OR MAY BE CREATED UTILIZING EARTHEN BERMS, RIP-RAP OR CRUSHED STONE DAMS, HAY BALES, OR OTHER SUITABLE MATERIALS. DIVERSION SWALES, BERMS, OR OTHER CHANNELIZATION SHALL BE CONSTRUCTED TO INSURE THAT ALL SILT LADEN WATERS ARE DIRECTED INTO THE ENTRAPMENT AREAS, WHICH SHALL NOT BE PERMITTED TO FILL IN, BUT SHALL BE CLEANED PERIODICALLY DURING THE COURSE OF CONSTRUCTION. THE COLLECTED SILT SHALL BE DEPOSITED IN AREAS SAFE FROM FURTHER EROSION.
   - B) ALL DISTURBED AREAS, EXCEPT ROADWAYS, WHICH WILL REMAIN UNFINISHED FOR MORE THAN 30 DAYS SHALL BE TEMPORARILY SEEDED WITH 1/2 LB. OF RYE GRASS OR MULCHED WITH 100 LBS. OF STRAW OR HAY PER 1,000 SQUARE FEET. ROADWAYS SHALL BE STABILIZED AS RAPIDLY AS FRACTABLE BY THE INSTALLATION OF THE BASE COURSE.
   - C) SILT THAT LEAVES THE SITE IN SPITE OF THE REQUIRED PRECAUTIONS SHALL BE COLLECTED AND REMOVED AS DIRECTED BY APPROPRIATE MUNICIPAL AUTHORITIES.

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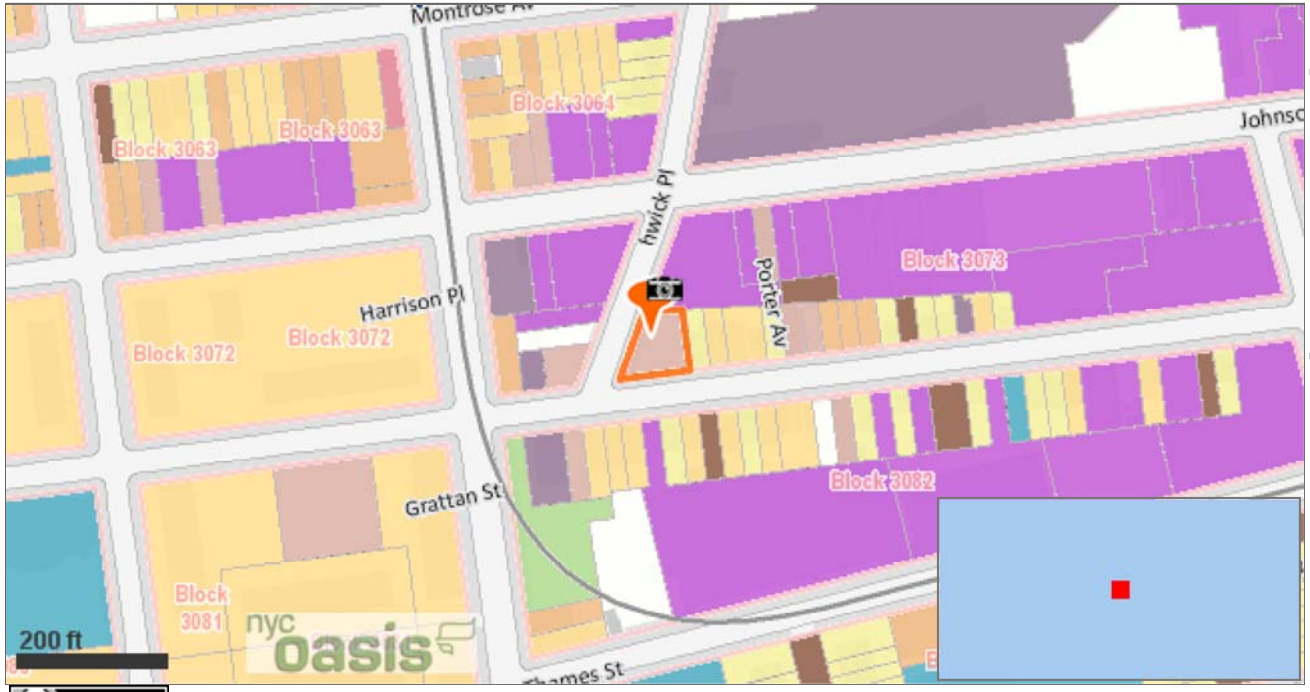
SCHEMATIC SITE PLAN & SURVEY

DATE:	08-16-13
PROJECT NO:	1231
DRAWN BY:	RTN
CHECKED BY:	ED
DRAWING NO:	C-001.00
SCALE: AS NOTED	SHEET NO:2 of 38
NYC DOB NUMBER:	XXXXXXXXX

P1231_C-002.00

Figure-4: Land-Use Map



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nyc oasis

Legend

Transit, Roads, Reference Features

Roads, ferries, commuter rail, neighborhood names

- Roads
- Major Roads
- Interstate Highways
- Tunnels
- Neighborhood/Town Labels
- County Boundaries
- Ferry
- Commuter Rail
- NYC subway routes and stations

Parks, Playgrounds, & Open Space

- Parks & Public Lands
- Forested Areas (NJ)
- Community Gardens
- School property with garden
- Playgrounds
- Green Spaces Along Streets
- Golf Courses
- Baseball/Soccer/Football Fields
- Tennis/Basketball/Handball Courts & Tracks
- Cemeteries

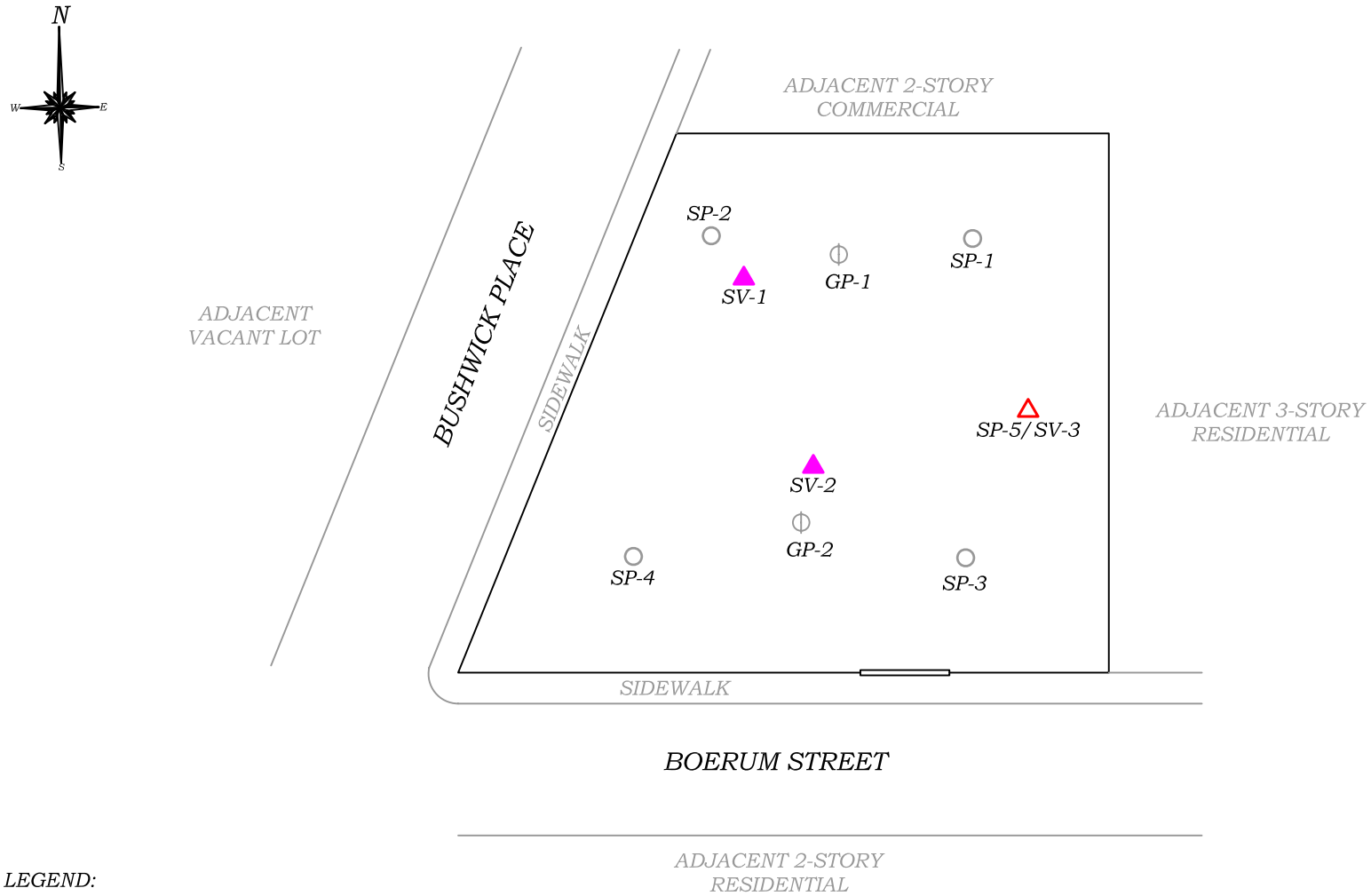
Land Use

Block/Lot Boundaries

(Building footprints in gray)

- 1 & 2 Family Residential
- Multi-family Residential
- Mixed Use
- Open space & outdoor recreation
- Commercial
- Institutions
- Industrial
- Parking
- Transportation / Utilities
- Vacant Lots

(Not all items in the legend may be visible on the map.)



LEGEND:

- ○ SOIL PROBE LOCATION (SP) - INSTALLED DURING 2007
- ▲ SOIL VAPOR PROBE (SV)
- ⊕ GROUNDWATER PROBE LOCATION (GP) - INSTALLED DURING 2007
- △ SOIL PROBE / SOIL VAPOR (SP/SV)

0' 20' 40'

SCALE IN FEET (FT.)

HYDRO TECH ENVIRONMENTAL CORP.

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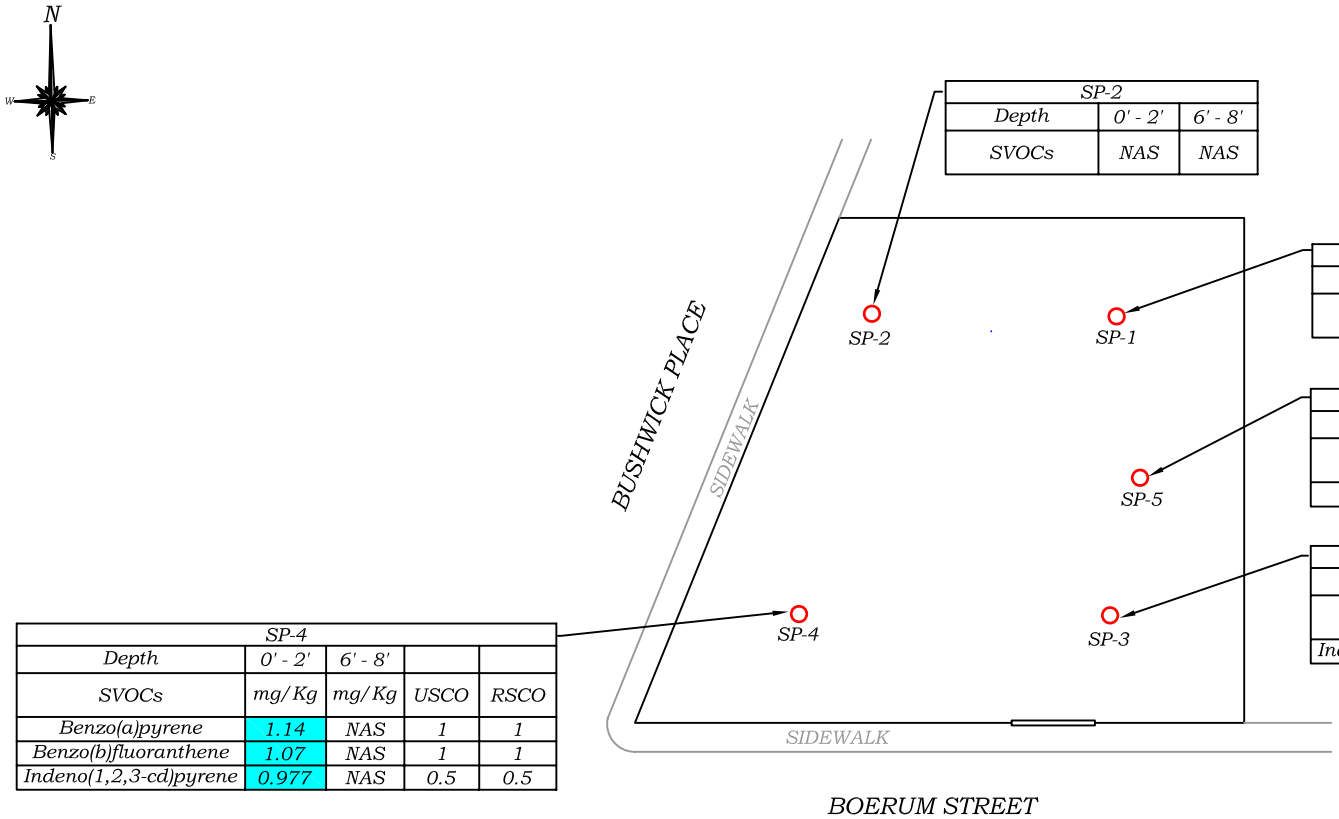
Drawn By: C.Q.
Reviewed By: M.R
Approved By: M.S
Date: 01/02/13
Scale: AS NOTED

TITLE:

FIGURE 5: LOCATION OF SOIL BORINGS, WELLS AND SOIL VAPOR SAMPLES



SP-2		
Depth	0' - 2'	6' - 8'
SVOCs	NAS	NAS

SP-1		
Depth	0' - 2'	6' - 8'
SVOCs	NAS	NAS

SP-5				
Depth	0' - 2'	8 - 10'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
2-Methylphenol	NAS	0.469	0.5	0.5

SP-3				
Depth	0' - 2'	6' - 8'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Indeno(1,2,3-cd)pyrene	NAS	0.684	0.5	0.5

SP-4				
Depth	0' - 2'	6' - 8'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a)pyrene	1.14	NAS	1	1
Benzo(b)fluoranthene	1.07	NAS	1	1
Indeno(1,2,3-cd)pyrene	0.977	NAS	0.5	0.5

LEGEND:

○	SOIL PROBE LOCATION (SP)
SVOC	SEMI VOLATILE ORGANIC COMPOUND
mg/Kg	MILLIGRAMS PER KILOGRAM
NAS	NONE ABOVE STANDARDS
USCO	UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
RSCO	RESTRICTED USE SOIL CLEANUP OBJECTIVES
	SHADED VALUES EXCEED RSCO

0' 20' 40'

SCALE IN FEET (FT.)

HYDRO TECH ENVIRONMENTAL CORP.

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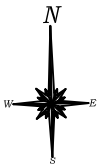
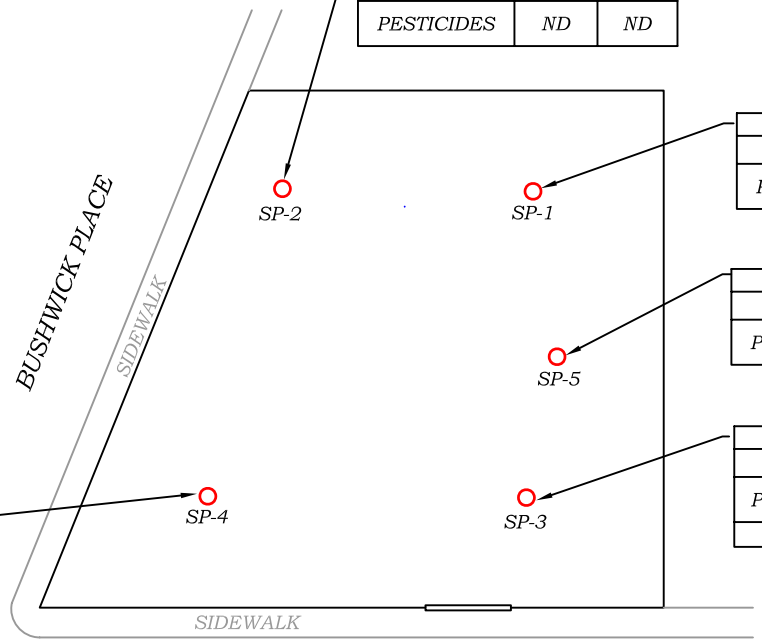
Reviewed By: M.R
Approved By: M.S
Date: 01/02/13
Scale: AS NOTED

TITLE:

FIGURE 6: MAP OF SVOCs IN SOIL





SP-2		
Depth	0' - 2'	6' - 8'
PESTICIDES	ND	ND

SP-1		
Depth	0' - 2'	6' - 8'
PESTICIDES	ND	ND

SP-5		
Depth	0' - 2'	8' - 10'
PESTICIDES	ND	ND

SP-3				
Depth	0' - 2'	6' - 8'		
PESTICIDES	mg/Kg	mg/Kg	USCO	RSCO
4,4'-DDT	ND	0.0454	0.0033	7.9

SP-4				
Depth	0' - 2'	6' - 8'		
PESTICIDES	mg/Kg	mg/Kg	USCO	RSCO
4,4'-DDT	0.0525	ND	0.0033	7.9

LEGEND:

○	SOIL PROBE LOCATION (SP)
mg/Kg	MILLIGRAMS PER KILOGRAM
ND	NONE DETECTED
USCO	UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
RSCO	RESTRICTED USE SOIL CLEANUP OBJECTIVES
	SHADED VALUES EXCEED USCO

0' 20' 40'

SCALE IN FEET (FT.)

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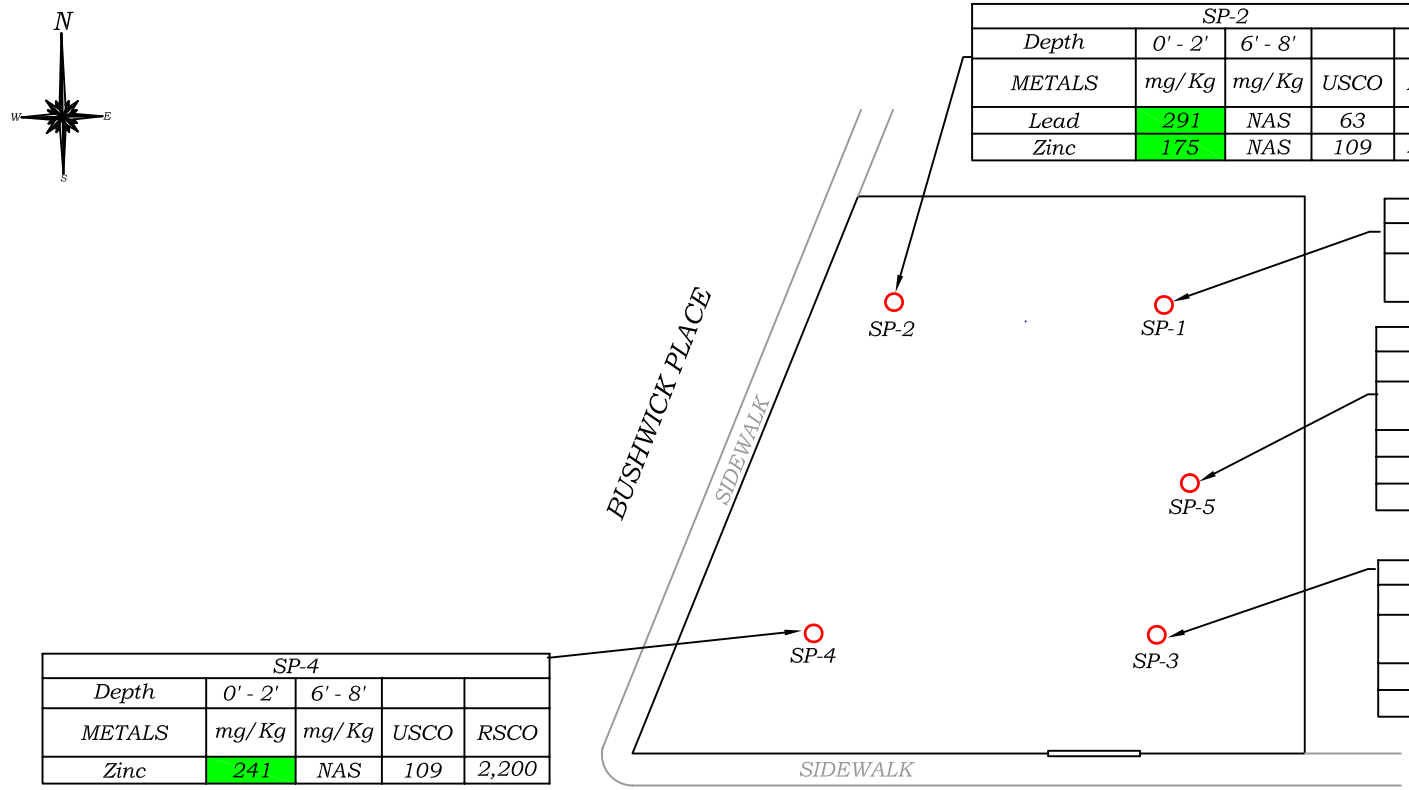
Drawn By: C.Q.
Reviewed By: M.R
Approved By: M.S
Date: 01/02/13
Scale: AS NOTED

TITLE:

FIGURE 7: MAP OF PESTICIDES IN SOIL



SP-2				
Depth	0' - 2'	6' - 8'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Lead	291	NAS	63	400
Zinc	175	NAS	109	2,200

SP-1		
Depth	0' - 2'	6' - 8'
METALS	NAS	NAS

SP-5				
Depth	0' - 2'	8' - 10'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Lead	211	ND	63	400
Zinc	ND	111	109	2,200
Mercury	1.58	ND	0.18	0.81

SP-3				
Depth	0' - 2'	6' - 8'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Lead	374	421	63	400
Zinc	148	160	109	2,200

SP-4				
Depth	0' - 2'	6' - 8'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Zinc	241	NAS	109	2,200

LEGEND:

○	SOIL PROBE LOCATION (SP)
mg/Kg	MILLIGRAMS PER KILOGRAM
ND	NONE DETECTED
NAS	NONE ABOVE STANDARDS
USCO	UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
RSCO	RESTRICTED USE SOIL CLEANUP OBJECTIVES
	PINK SHADED VALUES EXCEED USCO
	ORANGE SHADED VALUES EXCEED RSCO

0' 20' 40'

SCALE IN FEET (FT.)

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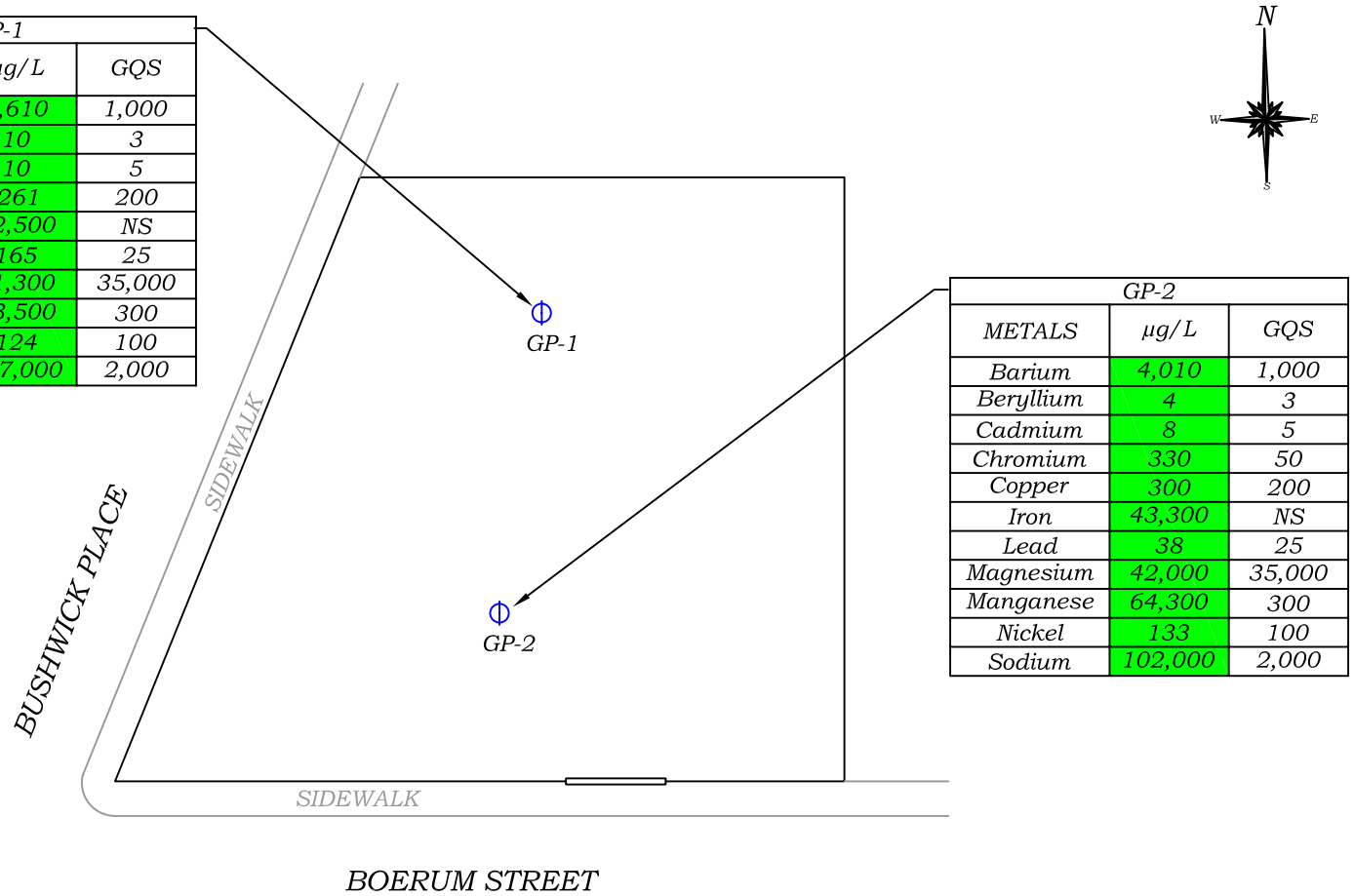
Scale: AS NOTED

TITLE:

FIGURE 8: MAP OF METALS IN SOIL

GP-1		
METALS	µg/L	GQS
Barium	1,610	1,000
Beryllium	10	3
Cadmium	10	5
Copper	261	200
Iron	52,500	NS
Lead	165	25
Magnesium	71,300	35,000
Manganese	53,500	300
Nickel	124	100
Sodium	147,000	2,000



GP-2		
METALS	µg/L	GQS
Barium	4,010	1,000
Beryllium	4	3
Cadmium	8	5
Chromium	330	50
Copper	300	200
Iron	43,300	NS
Lead	38	25
Magnesium	42,000	35,000
Manganese	64,300	300
Nickel	133	100
Sodium	102,000	2,000

LEGEND:

⦶	GROUNDWATER PROBE LOCATION (GP)
µg/L	MICROGRAMS PER LITER
GQS	GROUNDWATER QUALITY STANDARDS
	SHADED VALUES EXCEED GQS

0' 20' 40'

SCALE IN FEET (FT.)

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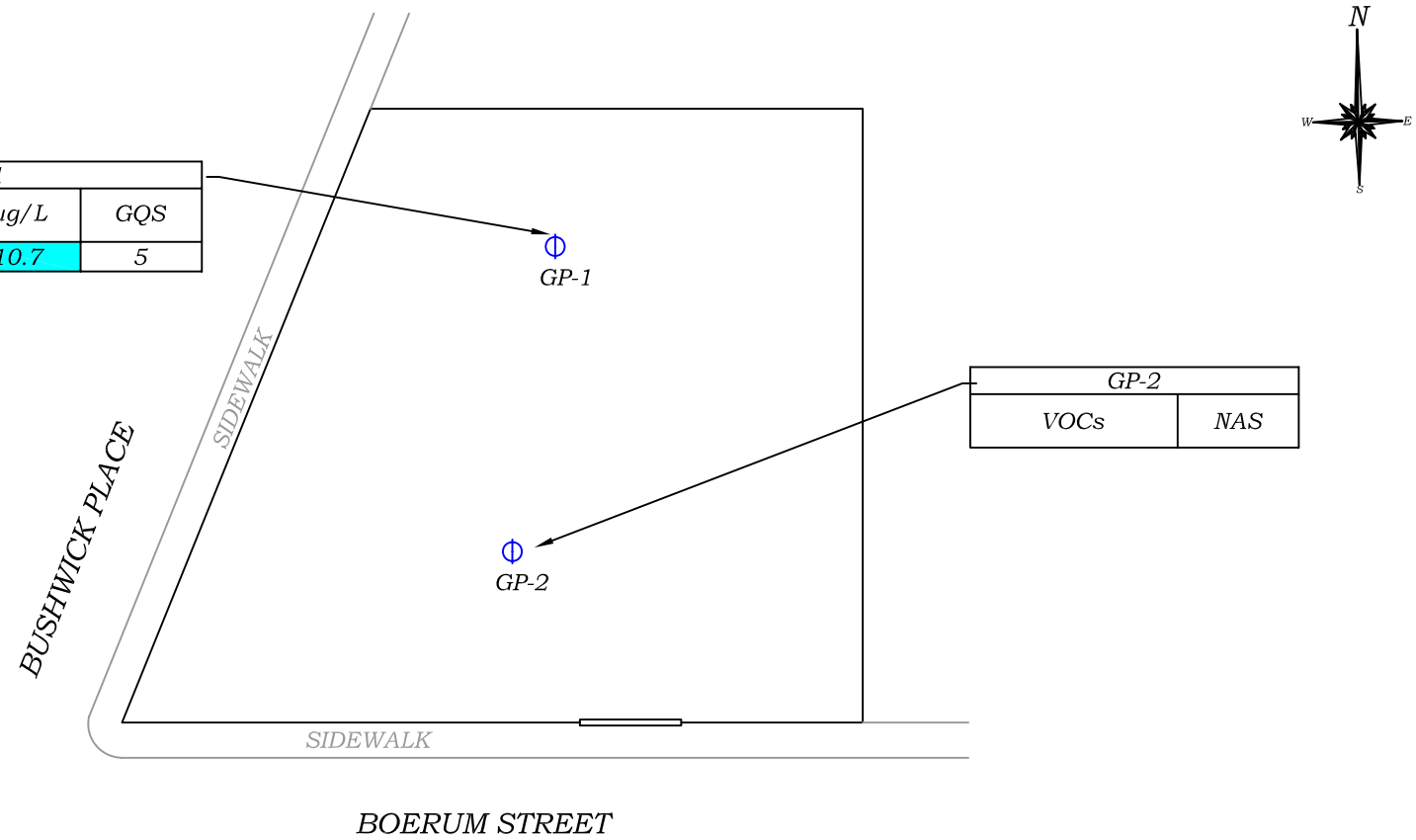
Date: 01/02/13
Scale: AS NOTED

TITLE:

FIGURE 9: MAP OF METALS IN GROUNDWATER



GP-1		
VOCs	µg/L	GQS
Trichloroethene	10.7	5

GP-2	
VOCs	NAS

LEGEND:

⦶	GROUNDWATER PROBE LOCATION (GP)
µg/L	MICROGRAMS PER LITER
VOC	VOLATILE ORGANIC COMPOUNDS
NAS	NONE ABOVE STANDARDS
GQS	GROUNDWATER QUALITY STANDARDS
	SHADED VALUES EXCEED GQS

0' 20' 40'

SCALE IN FEET (FT.)

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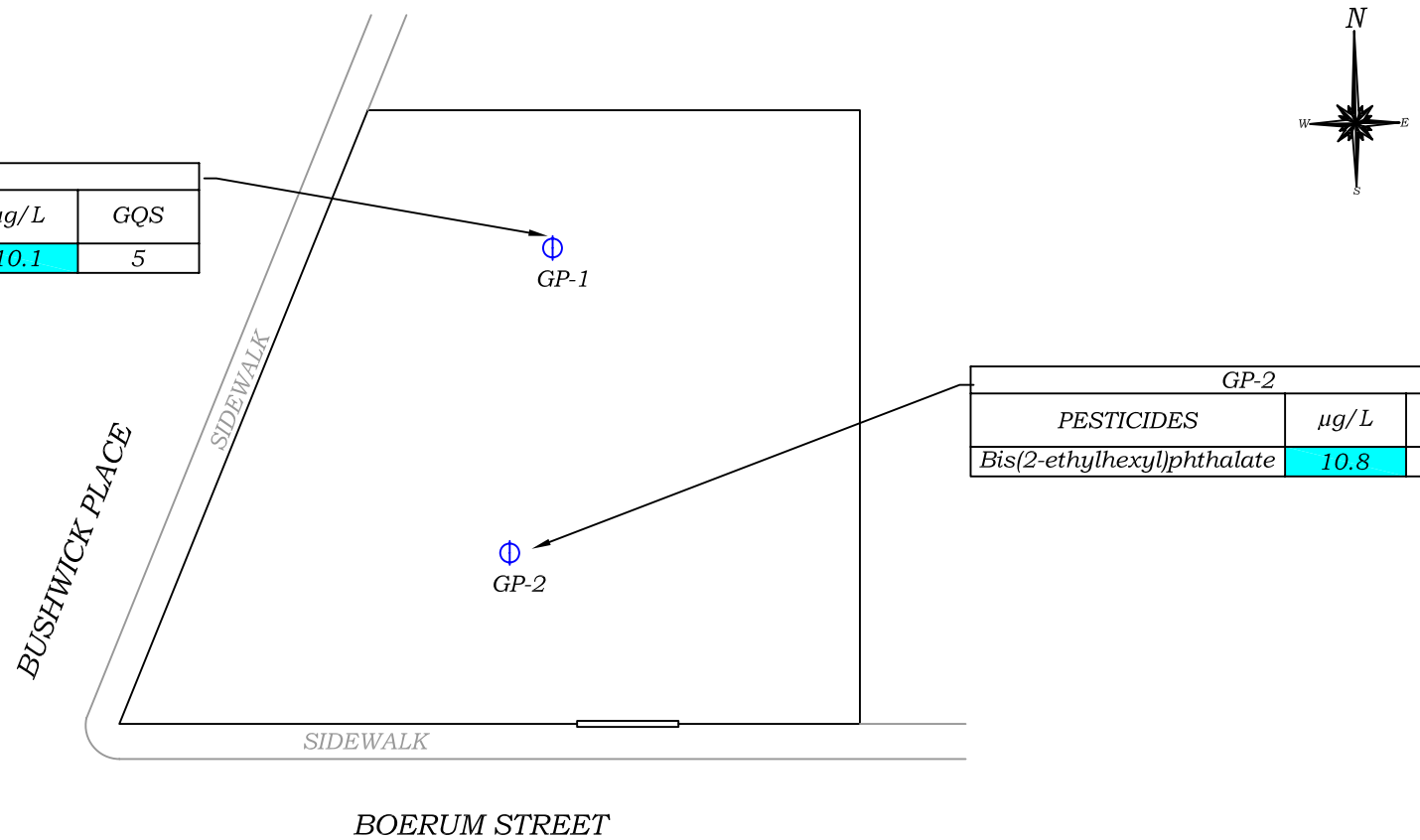
Reviewed By: M.R
Approved By: M.S
Date: 01/02/13
Scale: AS NOTED

TITLE:

FIGURE 10: MAP OF VOCs IN GROUNDWATER



GP-1		
PESTICIDES	µg/L	GQS
Bis(2-ethylhexyl)phthalate	10.1	5

GP-2		
PESTICIDES	µg/L	GQS
Bis(2-ethylhexyl)phthalate	10.8	5

LEGEND:

⌽	GROUNDWATER PROBE LOCATION (GP)
µg/L	MICROGRAMS PER LITER
GQS	GROUNDWATER QUALITY STANDARDS
	SHADED VALUES EXCEED GQS

0' 20' 40'

SCALE IN FEET (FT.)

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Date: 01/02/13
Scale: AS NOTED

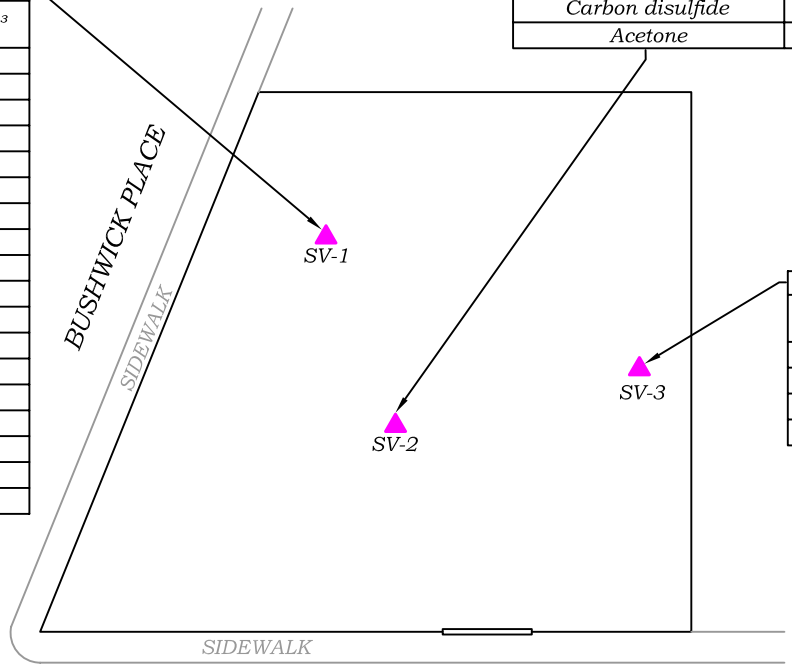
TITLE:

FIGURE 11: MAP OF PESTICIDES IN GROUNDWATER

SV-1	
VOCs	µg/m³
1,2,4-Trimthylbenzene	14
Benzene	30
Ethyl Benzene	22
n-Heptane	35
n-Hexane	71
o-Xylene	15
p- & m- Xylenes	53
Toluenes	100
1,3-Butanone	100
2-Butanone	48
4-Metyhl-2-pentanone	61
Carbon disulfide	41
Cyclohexane	16
Dichlorodifluoromethane	17
Acetone	220
Methylene chloride	13
1,1,1-Trichloroethane	16
Tetrachloroethylene	54

SV-2	
VOCs	µg/m³
Benzene	9.9
Toluenes	17
Carbon disulfide	13
Acetone	68

SV-3	
VOCs	µg/m³
Benzene	0.32
Toluenes	0.69
Carbon tetrachloride	0.45
Acetone	1.5



BOERUM STREET

N

LEGEND:

▲ SOIL VAPOR PROBE (SV)

µg/m³ MICROGRAMS PER CUBIC METER

VOC VOLATILE ORGANIC COMPOUNDS

0' 20' 40'

SCALE IN FEET (FT.)

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Date: 01/02/13
Scale: AS NOTED

TITLE:

FIGURE 12: MAP OF VOCs IN SOIL VAPOR

TABLES

Table 1
Soil Samples Analytical Results for VOCs
225-227 Boerum Street, Brooklyn, NY

Sample ID	SP-1	SP-1		SP-2	SP-2		SP-3	SP-3		SP-4	SP-4		SP-5	SP-5		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (mg/kg)	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential (mg/kg)
Sample Depth	0'-2'	6'-8'		0'-2'	6'-8'		0'-2'	6'-8'		0'-2'	6'-8'		0'-2'	8'-10'			
Sampling Date	12/10/2007	12/10/2007		12/10/2007	12/10/2007		12/10/2007	12/10/2007		12/10/2007	12/10/2007		11/7/2013	11/7/2013			
Matrix	Soil	Soil		Soil	Soil		Soil	Soil		Soil	Soil		Soil	Soil			
Units	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg			
Compounds	Results	Results	Q	Results	Results	Q	Results	Results	Q	Results	Results	Q	Results	Results	Q		
1,1,1,2-Tetrachloroethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
1,1,1-Trichloroethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.68	100
1,1,2,2-Tetrachloroethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		NS	NS
1,1,2-Trichloroethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
1,1-Dichloroethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.27	19
1,1-Dichloroethylene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.33	100
1,1-Dichloropropylene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
1,2,3-Trichlorobenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
1,2,3-Trichloropropane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
1,2,4-Trimethylbenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		3.6	47
1,2-Dibromo-3-chloropropane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
1,2-Dibromoethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		1.1	100
1,2-Dichloroethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.02	2.3
1,2-Dichloropropane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
1,3,5-Trimethylbenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		8.4	47
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		2.4	17
1,3-Dichloropropane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
1,4-Dichlorobenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		1.8	9.8
1,4-Dioxane	NA	ND		NA	ND		NA	ND		NA	ND		<0.084	<0.055		0.1	9.8
2,2-Dichloropropane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
2-Butanone	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		0.12	100
2-Chlorotoluene	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		NS	NS
4-Chlorotoluene	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		NS	NS
Acetone	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		0.05	100
Benzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.06	2.9
Bromobenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
Bromochloromethane	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		NS	NS
Bromodichloromethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
Bromoform	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
Bromomethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
Carbon tetrachloride	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.76	1.4
Chlorobenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		1.1	100
Chloroethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
Chloroform	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.37	10
Chloromethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
cis-1,2-Dichloroethylene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.25	59
cis-1,3-Dichloropropylene	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		NS	NS
Dibromochloromethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
Dibromomethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
Dichlorodifluoromethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
Ethyl Benzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		1	30
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
Isopropylbenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
Methyl tert-butyl ether (MTBE)	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.93	62
Methylene chloride	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.05	51
n-Butylbenzene	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		12	100
n-Propylbenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		3.9	100
Naphthalene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		12	100
o-Xylene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		NS	NS
p- & m- Xylenes	ND	ND		ND	ND		ND	ND		ND	ND		<0.0084	<0.0055		NS	NS
p-Isopropyltoluene	ND	ND		ND	ND		**0.0253**	ND		ND	ND		<0.0042	<0.0028		NS	NS
sec-Butylbenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		11	100
Styrene	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		NS	NS
tert-Butylbenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		5.9	100
Tetrachloroethylene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		1.3	5.5
Toluene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.7	100
trans-1,2-Dichloroethylene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.19	100
trans-1,3-Dichloropropylene	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		NS	NS
Trichloroethylene	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		0.47	10
Trichlorofluoromethane	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		NS	NS
Vinyl acetate	NA	ND		NA	ND		NA	ND		NA	ND		<0.0042	<0.0028		NS	NS
Vinyl Chloride	ND	ND		ND	ND		ND	ND		ND	ND		<0.0042	<0.0028		0.02	0.21
Total VOCs	ND	ND		ND	ND		**0.0253**	ND		ND	ND		ND	ND		NS	NS

Q is the Qualifier Column with definitions as follows:
ND=analyte not detected above MDL (method detection limit)
NS=this indicates that no regulatory limit has been established for this analyte
NA=this indicates the analyte was not a target for this sample

Table 1 (Cont.)
Soil Samples Analytical Results for SVOCs
225-227 Boerum Street, Brooklyn, NY

Sample ID	SP-1	SP-1		SP-2	SP-2		SP-3	SP-3		SP-4	SP-4		SP-5		SP-5		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (mg/kg)	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential (mg/kg)
Sample Depth	0'-2'	6'-8'		0'-2'	6'-8'		0'-2'	6'-8'		0'-2'	6'-8'		0'-2'		8'-10'			
Sampling Date	12/10/2007	12/10/2007		12/10/2007	12/10/2007		12/10/2007	12/10/2007		12/10/2007	12/10/2007		11/7/2013		11/7/2013			
Matrix	Soil	Soil		Soil	Soil		Soil	Soil		Soil	Soil		Soil		Soil			
Units	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg			
Compounds	Results	Results	Q	Results	Results	Q	Results	Results	Q	Results	Results	Q	Results	Q	Results	Q		
1,2,4-Trichlorobenzene	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		1.1	100
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		2.4	17
1,4-Dichlorobenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		1.8	9.8
2,4,5-Trichlorophenol	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
2,4,6-Trichlorophenol	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
2,4-Dichlorophenol	NS	ND		NS	ND		NS	ND		NS	ND		0.0921		<0.469		NS	NS
2,4-Dimethylphenol	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
2,4-Dinitrophenol	NA	ND		NA	ND		NA	ND		NA	ND		<0.183		<0.931		NS	NS
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0921		<0.469		NS	NS
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
2-Chloronaphthalene	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
2-Chlorophenol	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
2-Methylnaphthalene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
2-Methylphenol	NA	ND		NA	ND		NA	ND		NA	ND		<0.0921		**0.469**		0.33	100
2-Nitroaniline	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
2-Nitrophenol	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND		ND	ND		**0.183**		**0.931**		NS	NS
3- & 4-Methylphenols	NA	ND		NA	ND		NA	ND		NA	ND		<0.0921		<0.469		NS	NS
3-Nitroaniline	ND	ND		ND	ND		ND	ND		ND	ND		<0.0921		<0.469		NS	NS
4,6-Dinitro-2-methylphenol	NA	ND		NA	ND		NA	ND		NA	ND		<0.0921		<0.469		NS	NS
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
4-Chloro-3-methylphenol	NA	ND		NA	ND		NA	ND		NA	ND		<0.0921		<0.469		NS	NS
4-Chloroaniline	ND	ND		ND	ND		ND	ND		ND	ND		<0.0921		<0.469		NS	NS
4-Chlorophenyl phenyl ether	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
4-Nitroaniline	ND	ND		ND	ND		ND	ND		ND	ND		<0.0921		<0.469		NS	NS
4-Nitrophenol	NA	ND		NA	ND		NA	ND		NA	ND		<0.0921		<0.469		NS	NS
Acenaphthene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		20	100
Acenaphthylene	ND	ND		ND	ND		**0.136**	ND		**0.727**	ND		<0.0461		<0.234		100	100
Aniline	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
Anthracene	ND	ND		ND	ND		ND	**0.31**		**0.307**	ND		<0.0461		<0.234		100	100
Benzo(a)anthracene	ND	**0.251**		ND	ND		**0.524**	**1.08**		**0.771**	ND		<0.0461		<0.234		1	1
Benzo(a)pyrene	ND	**0.22**		ND	ND		**0.518**	**0.845**		**1.14**	ND		<0.0461		<0.234		1	1
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	**1.17**		**1.07**	ND		**0.0607**	J	<0.234		1	1
Benzo(g,h,i)perylene	ND	ND		ND	ND		**0.506**	**0.747**		**1.22**	ND		<0.0921		<0.469		100	100
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	**0.333**		**0.531**	ND		<0.0461		<0.234		0.8	1
Benzyl alcohol	NA	ND		NA	ND		NA	ND		NA	ND		<0.0921		<0.469		NS	NS
Benzyl butyl phthalate	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
Bis(2-chloroethoxy)methane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
Bis(2-chloroethyl)ether	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
Bis(2-chloroisopropyl)ether	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
Bis(2-ethylhexyl)phthalate	**0.426**	**0.529**		**0.424**	0.409		**0.482**	**0.502**		**0.374**	0.448		<0.0461		<0.234		NS	NS
Chrysene	ND	**0.276**		ND	ND		**0.568**	**1.09**		**0.786**	ND		**0.0501**	J	<0.234		1	1
Di-n-butyl phthalate	**1**	**1.31**		**1.02**	0.988		**1.01**	**1.12**		**0.555**	1.13		<0.0461		<0.234		NS	NS
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
Dibenzo(a,h)anthracene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		0.33	0.33
Dibenzofuran	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		7	14
Diethyl phthalate	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
Dimethyl phthalate	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
Fluoranthene	ND	ND		**0.161**	ND		**1.26**	ND		**1.09**	ND		**0.0936**	J	<0.234		100	100
Fluorene	ND	**0.922**		ND	ND		ND	2.98		ND	ND		<0.0461		<0.234		30	100
Hexachlorobenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		0.33	0.33
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0921		<0.469		NS	NS
Hexachloroethane	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		**0.445**	**0.684**		**0.977**	ND		<0.0461		<0.234		0.5	0.5
Isophorone	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
N-nitroso-di-n-propylamine	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
N-Nitrosodimethylamine	NA	ND		NA	ND		NA	ND		NA	ND		<0.0921		<0.469		NS	NS
N-Nitrosodiphenylamine	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
Naphthalene	ND	ND		ND	ND		ND	ND		**0.188**	ND		<0.0461		<0.234		12	100
Nitrobenzene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0461		<0.234		NS	NS
Pentachlorophenol	NA	ND		NA	ND		NA	ND		NA	ND		<0.0921		<0.469		0.8	2.4
Phenanthrene	ND	**0.519**		ND	ND		**0.492**	**1.33**		**0.481**	ND		**0.0713**	J	<0.234		100	100
Phenol	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		0.33	100
Pyrene	ND	**0.431**		ND	ND		**0.749**	**1.64**		**0.807**	ND		**0.0793**	J	<0.234		100	100
Pyridine	NA	ND		NA	ND		NA	ND		NA	ND		<0.0461		<0.234		NS	NS
Total SVOCs	**1.426**	**4.458**		**1.605**	**1.397**		**6.69**	**13.831**		**11.024**	**1.578**		**0.6301**		**1.4**		NS	NS

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NS=this indicates that no regulatory limit has been established for this analyte
NA=this indicates the analyte was not a target for this sample
Grey shaded values represent concentration exceeding Unrestricted Use SCO
Blue shaded values represent concentration exceeding Restricted Residnetial SCO

Table 1 (Cont.)
Soil Samples Analytical Results for Pesticides/PCBs
225-227 Boerum Street, Brooklyn, NY

Sample ID	SP-1	SP-1		SP-2	SP-2		SP-3	SP-3		SP-4	SP-4		SP-5		SP-5		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (mg/kg)	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential (mg/kg)
Sample Depth	0'-2'	6'-8'		0'-2'	6'-8'		0'-2'	6'-8'		0'-2'	6'-8'		0'-2'		8'-10'			
Sampling Date	12/10/2007	12/10/2007		12/10/2007	12/10/2007		12/10/2007	12/10/2007		12/10/2007	12/10/2007		11/7/2013		11/7/2013			
Matrix	Soil	Soil		Soil	Soil		Soil	Soil		Soil	Soil		Soil		Soil			
Units	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg			
Compounds	Results	Results	Q	Results	Results	Q	Results	Results	Q	Results	Results	Q	Results	Q	Results	Q		
4,4'-DDD	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		0.0033	13
4,4'-DDE	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		0.0033	8.9
4,4'-DDT	ND	ND		ND	ND		ND	**0.0454**		**0.0525**	ND		<0.00181		<0.00184		0.0033	7.9
Aldrin	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		0.005	0.097
alpha-BHC	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		0.02	0.48
alpha-Chlordane	ND	ND		ND	ND		ND	ND		ND	ND		NA		NA		0.094	4.2
beta-BHC	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		NS	NS
delta-BHC	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		0.04	100
Dieldrin	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		0.005	0.2
Endosulfan I	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		2.4	24
Endosulfan II	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		2.4	24
Endosulfan sulfate	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		2.4	24
Endrin	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		0.014	11
Endrin aldehyde	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		NS	NS
Endrin ketone	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		NS	NS
gamma-BHC (Lindane)	ND	ND		ND	ND		ND	ND		**0.0132**	ND		<0.00181		<0.00184		NS	NS
gamma-Chlordane	ND	ND		ND	ND		ND	ND		ND	ND		NA		NA		NS	NS
Heptachlor	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		NS	NS
Heptachlor epoxide	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		0.1	1.3
Methoxychlor	ND	ND		ND	ND		ND	ND		ND	ND		<0.00181		<0.00184		NS	NS
Toxaphene	ND	ND		ND	ND		ND	ND		ND	ND		<0.0916		<0.0931		NS	NS
Aroclor 1016	ND	ND		ND	ND		ND	ND		ND	ND		<0.0186		<0.019		NS	NS
Aroclor 1221	ND	ND		ND	ND		ND	ND		ND	ND		<0.0186		<0.019		NS	NS
Aroclor 1232	ND	ND		ND	ND		ND	ND		ND	ND		<0.0186		<0.019		NS	NS
Aroclor 1242	ND	ND		ND	ND		ND	ND		ND	ND		<0.0186		<0.019		NS	NS
Aroclor 1248	ND	ND		ND	ND		ND	ND		ND	ND		<0.0186		<0.019		NS	NS
Aroclor 1254	ND	ND		ND	ND		ND	ND		ND	ND		<0.0186		<0.019		NS	NS
Aroclor 1260	ND	ND		ND	ND		ND	ND		ND	ND		<0.0186		<0.019		NS	NS
Total PCBs	ND	ND		ND	ND		ND	ND		ND	ND		ND		ND		0.1	1

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NA=this indicates the analyte was not a target for this sample
Grey shaded values represent concentration exceeding Unrestricted Use SCO

Table 1 (Cont.)
Soil Samples Analytical Results for Metals, Target Analyte
225-227 Boerum Street, Brooklyn, NY

Sample ID	SP-1	SP-1		SP-2	SP-2		SP-3	SP-3		SP-4	SP-4		SP-5		SP-5		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (mg/kg)	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential (mg/kg)
Sample Depth	0'-2'	6'-8'		0'-2'	6'-8'		0'-2'	6'-8'		0'-2'	6'-8'		0'-2'		8'-10'			
Sampling Date	12/10/2007	12/10/2007		12/10/2007	12/10/2007		12/10/2007	12/10/2007		12/10/2007	12/10/2007		11/7/2013		11/7/2013			
Matrix	Soil	Soil		Soil	Soil		Soil	Soil		Soil	Soil		Soil		Soil			
Units	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg			
Compounds	Results	Results	Q	Results	Results	Q	Results	Results	Q	Results	Results	Q	Results	Q	Results	Q		
Aluminum	ND	**12200**		**7790**	**9460**		ND	ND		**8160**	**9220**		**8600**		**11000**		NS	NS
Antimony	**1.75**	**0.88**		**1.34**	**1.38**		**1.01**	**1.15**		**1.71**	**2.38**		<0.548		<0.558		NS	NS
Arsenic	ND	ND		ND	ND		ND	ND		**0.408**	ND		**3.53**		**5.82**		13	16
Barium	**57.5**	**44.6**		**81**	**36.4**		**237**	**249**		**454**	**50.8**		**43**		**56.8**		350	350
Beryllium	**0.346**	**0.334**		**0.31**	**0.388**		**0.294**	**0.317**		**0.383**	**0.547**		<0.110		<0.112		7.2	14
Cadmium	**3**	**2.46**		**2.67**	**2.95**		**1.96**	**2.56**		**3.24**	**3.65**		**1.19**		**1.17**		2.5	2.5
Calcium	ND	ND		ND	ND		ND	ND		**22900**	ND		**567**		**3770**		NS	NS
Chromium*	**19.9**	**18.2**		**18.6**	**16.1**		**14.1**	**15.2**		**20.8**	**28**		**18**		**17.5**		NS	NS
Cobalt	**7.62**	**6.46**		**6.62**	**7.5**		**6.41**	**6.42**		**7.68**	**7.42**		**7.04**		**7.2**		NS	NS
Copper	**22.7**	**12.8**		**30.3**	**13.1**		**20.9**	**16.2**		**40.8**	**22.8**		**43.2**		**21**		50	270
Iron	**25200**	**21200**		**19800**	**25400**		**14100**	**19400**		**22200**	**31200**		**22400**		**20300**		NS	NS
Lead	**20.4**	**12.1**		**291**	**8.54**		**374**	**421**		ND	**13.5**		**211**		**43.4**		63	400
Magnesium	ND	ND		**4570**	ND		ND	ND		ND	ND		**1830**		**3570**		NS	NS
Manganese	**333**	**431**		**420**	**463**		**216**	**229**		**298**	**369**		**389**		**382**		1600	2000
Nickel	**12.4**	**11.3**		**11.8**	**13.1**		**22.8**	**10.5**		**14.1**	**12.1**		**11.9**		**15.7**		30	140
Potassium	**267**	**179**		**359**	**232**		**267**	**551**		**280**	**381**		**925**		**618**		NS	NS
Selenium	NA	NA		NA	NA		NA	NA		NA	NA		<1.10		<1.12		3.9	36
Silver	NA	NA		NA	NA		NA	NA		NA	NA		<0.548		<0.558		2	36
Sodium	**10.3**	**8.67**		**18**	**8.99**		**18.1**	**84.5**		**38.9**	**17.5**		**43.7**		**63.4**		NS	NS
Thallium	NA	NA		NA	NA		NA	NA		NA	NA		<1.10		<1.12		NS	NS
Vanadium	**32.8**	**26.2**		**28.4**	**26.1**		**19.7**	**25.3**		**31.8**	**39.5**		**28.3**		**28.9**		NS	NS
Zinc	**67.8**	**29**		**175**	**26.7**		**148**	**160**		**241**	**29.1**		**40**		**111**		109	2200
Mercury	NA	NA		NA	NA		NA	NA		NA	NA		**1.58**		**0.108**		0.18	0.81
Chromium, Trivalent	NA	NA		NA	NA		NA	NA		NA	NA		**16.4**		**15.6**		30	36
Chromium, Hexavalent	NA	NA		NA	NA		NA	NA		NA	NA		<0.384		<0.390		1	22

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Table 2
Groundwater Samples Analytical Results for VOCs
225-227 Boerum Street, Brooklyn, NY

Sample ID Sampling Date Matrix Units	GP-1 12/10/2007 Water ug/L	GP-2 12/10/2007 Soil ug/L	NYSDEC TOGS 1.1.1 Ground water Quality Standards (ug/L)
Compounds	Results	Results	
1,1,1,2-Tetrachloroethane	ND	ND	5
1,1,1-Trichloroethane	ND	ND	5
1,1,2,2-Tetrachloroethane	ND	ND	5
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NA	NA	5
1,1,2-Trichloroethane	ND	ND	1
1,1-Dichloroethane	ND	ND	5
1,1-Dichloroethylene	ND	ND	NS
1,1-Dichloropropylene	ND	ND	5
1,2,3-Trichlorobenzene	ND	ND	5
1,2,3-Trichloropropane	ND	ND	0.04
1,2,4-Trichlorobenzene	ND	ND	5
1,2,4-Trimethylbenzene	ND	ND	5
1,2-Dibromo-3-chloropropane	ND	ND	0.04
1,2-Dibromoethane	ND	ND	0.0006
1,2-Dichlorobenzene	ND	ND	3
1,2-Dichloroethane	ND	ND	5
1,2-Dichloropropane	ND	ND	1
1,3,5-Trimethylbenzene	ND	ND	5
1,3-Dichlorobenzene	ND	ND	3
1,3-Dichloropropane	ND	ND	5
1,4-Dichlorobenzene	ND	ND	3
1,4-Dioxane	NA	NA	NS
2,2-Dichloropropane	ND	ND	5
2-Butanone	NA	NA	NS
2-Chlorotoluene	NA	NA	5
4-Chlorotoluene	NA	NA	5
Acetone	NA	NA	5
Benzene	ND	ND	1
Bromobenzene	ND	ND	5
Bromochloromethane	NA	NA	5
Bromodichloromethane	ND	ND	5
Bromoform	ND	ND	5
Bromomethane	ND	ND	NS
Carbon tetrachloride	ND	ND	5
Chlorobenzene	ND	ND	5
Chloroethane	ND	ND	5
Chloroform	ND	ND	7
Chloromethane	ND	ND	NS
cis-1,2-Dichloroethene	ND	ND	5
cis-1,3-Dichloropropene	NA	NA	0.4
Dibromochloromethane	ND	ND	5
Dibromomethane	ND	ND	5
Dichlorodifluoromethane	ND	ND	5
Ethyl Benzene	ND	ND	5
Hexachlorobutadiene	ND	ND	0.5
Isopropylbenzene	ND	ND	5
Methyl tert-butyl ether (MTBE)	ND	**4.1**	10
Methylene chloride	ND	ND	5
n-Butylbenzene	NA	NA	5
n-Propylbenzene	ND	ND	NS
Naphthalene	ND	ND	10
o-Xylene	ND	ND	5
p- & m- Xylenes	ND	ND	5
p-Isopropyltoluene	ND	ND	NS
sec-Butylbenzene	ND	ND	5
Styrene	NA	NA	5
tert-Butylbenzene	ND	ND	5
Tetrachloroethylene	ND	ND	NS
Trichloroethene	**10.7**	**2.4**	5
Toluene	ND	ND	5
trans-1,2-Dichloroethene	ND	ND	5
trans-1,3-Dichloropropene	NA	NA	0.4
Trichloroethylene	NA	NA	NS
Trichlorofluoromethane	NA	NA	5
Vinyl acetate	NA	NA	NS
Vinyl Chloride	ND	ND	2
Total VOCs	**10.7**	**6.5**	NS

ND=analyte not detected at or above the level indicated
NS=this indicates that no regulatory limit has been established for this analyte
Grey shaded cell represent a concentration exceeding the GQS

Table 2 (Cont.)
Groundwater Samples Analytical Results for SVOCs
225-227 Boerum Street, Brooklyn, NY

Sample ID Sampling Date Matrix Units	GP-1 12/10/2007 Water ug/L	GP-2 12/10/2007 Soil ug/L	NYSDEC TOGS 1.1.1 Ground water Quality Standards (ug/L)
Compounds	Results	Results	
1,2,4-Trichlorobenzene	NA	NA	NS
1,2-Dichlorobenzene	ND	ND	NS
1,3-Dichlorobenzene	ND	ND	NS
1,4-Dichlorobenzene	ND	ND	NS
2,4,5-Trichlorophenol	NA	NA	NS
2,4,6-Trichlorophenol	NA	NA	NS
2,4-Dichlorophenol	ND	ND	NS
2,4-Dimethylphenol	NA	NA	NS
2,4-Dinitrophenol	NA	NA	NS
2,4-Dinitrotoluene	ND	ND	5
2,6-Dinitrotoluene	ND	ND	5
2-Chloronaphthalene	NA	NA	10
2-Chlorophenol	NA	NA	NS
2-Methylnaphthalene	ND	ND	NS
2-Methylphenol	NA	NA	NS
2-Nitroaniline	ND	ND	5
2-Nitrophenol	NA	NA	NS
3,3'-Dichlorobenzidene	ND	ND	5
3- & 4-Methylphenols	NA	NA	NS
3-Nitroaniline	ND	ND	5
4,6-Dinitro-2-methylphenol	NA	NA	NS
4-Bromophenyl phenyl ether	ND	ND	0.04
4-Chloro-3-methylphenol	NA	NA	NS
4-Chloroaniline	ND	ND	5
4-Chlorophenol phenyl ether	NA	NA	NS
4-Nitroaniline	ND	ND	5
4-Nitrophenol	NA	NA	NS
Acenaphthene	ND	ND	20
Acenaphthylene	ND	ND	NS
Aniline	NA	NA	5
Anthracene	ND	ND	50
Benzo(a)anthracene	ND	ND	NS
Benzo(a)pyrene	ND	ND	NS
Benzo(b)fluoranthene	ND	ND	0.002
Benzo(g,h,i)perylene	ND	ND	NS
Benzo(k)fluoranthene	ND	ND	0.002
Benzyl alcohol	NA	NA	NS
Benzyl butyl phthalate	ND	ND	NS
Bis(2-chloroethoxy)methane	ND	ND	NS
Bis(2-chloroethyl)ether	ND	ND	NS
Bis(2-chloroisopropyl)ether	ND	ND	NS
Bis(2-ethylhexyl)phthalate	**10.1**	**10.8**	5
Chrysene	ND	ND	0.002
Di-n-butyl phthalate	**20.2**	**23.6**	NS
Di-n-octyl phthalate	ND	ND	50
Dibenzo(a,h)anthracene	ND	ND	NS
Dibenzofuran	NA	NA	NS
Diethyl phthalate	NA	NA	50
Dimethyl phthalate	NA	NA	5
Fluoranthene	ND	ND	50
Fluorene	ND	ND	50
Hexachlorobenzene	ND	ND	0.04
Hexachlorobutadiene	ND	ND	NS
Hexachlorocyclopentadiene	ND	ND	5
Hexachloroethane	ND	ND	5
Indeno(1,2,3-cd)pyrene	ND	ND	0.002
Isophorone	ND	ND	50
N-nitroso-di-n-propylamine	ND	ND	NS
N-Nitrosodimethylamine	NA	NA	NS
N-Nitrosodiphenylamine	ND	ND	50
Naphthalene	ND	ND	10
Nitrobenzene	ND	ND	0.4
Pentachlorophenol	NA	NA	NS
Phenanthrene	ND	ND	50
Phenol	NA	NA	NS
Pyrene	ND	ND	50
Pyridine	NA	NA	50
Total SVOCs	**30.3**	**34.4**	NS

ND=analyte not detected at or above the level indicated
NS=this indicates that no regulatory limit has been established for this analyte
Grey shaded cell represent a concentration exceeding the GQS

Table 2 (Cont.)
Groundwater Samples Analytical Results for Pesticides/PCBs
225-227 Boerum Street, Brooklyn, NY

Sample ID Sampling Date Matrix Units	GP-1 12/10/2007 Water ug/L	GP-2 12/10/2007 Soil ug/L	NYSDEC TOGS 1.1.1 Ground water Quality Standards (ug/L)
Compounds	Results	Results	
4,4'-DDD	ND	ND	0.3
4,4'-DDE	ND	ND	0.2
4,4'-DDT	ND	ND	0.2
Aldrin	ND	ND	NS
alpha-BHC	ND	ND	NS
alpha-Chlordane	ND	ND	NS
beta-BHC	ND	ND	NS
delta-BHC	ND	ND	NS
Dieldrin	ND	ND	0.004
Endosulfan I	ND	ND	NS
Endosulfan II	ND	ND	NS
Endosulfan sulfate	ND	ND	NS
Endrin	ND	ND	NS
Endrin aldehyde	ND	ND	5
Endrin ketone	ND	ND	5
gamma-BHC (Lindane)	ND	ND	NS
gamma-Chlordane	ND	ND	NS
Heptachlor	ND	ND	0.04
Heptachlor epoxide	ND	ND	0.03
Methoxychlor	ND	ND	35
Toxaphene	ND	ND	0.06
Aroclor 1016	ND	ND	0.09
Aroclor 1221	ND	ND	0.09
Aroclor 1232	ND	ND	0.09
Aroclor 1242	ND	ND	0.09
Aroclor 1248	ND	ND	0.09
Aroclor 1254	ND	ND	0.09
Aroclor 1260	ND	ND	0.09
Total PCBs	ND	ND	NS

ND=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

Table 4
Groundwater Samples Analytical Results for Total Metals
225-227 Boerum Street, Brooklyn, NY

Sample ID Sampling Date Matrix Units	GP-1 12/10/2007 Water ug/L	GP-2 12/10/2007 Soil ug/L	NYSDEC TOGS 1.1.1 Ground water Quality Standards (ug/L)
Compounds	Results	Results	
Aluminum	25900	30500	NS
Antimony	ND	ND	3
Arsenic	ND	ND	25
Barium	1610	4010	1,000
Beryllium	10	4	3
Cadmium	10	8	5
Calcium	253000	271000	NS
Chromium	0.186	330	50
Cobalt	186	143	NS
Copper	261	300	200
Iron	52500	43300	NS
Lead	165	38	25
Magnesium	71300	42000	35,000
Manganese	53500	64300	300
Nickel	124	133	100
Potassium	19600	23700	NS
Sodium	147000	102000	2,000
Thallium	ND	ND	NS
Vanadium	ND	23	NS
Zinc	451	348	2,000

ND=analyte Not detected
U=analyte not detected at or above the level indicated
NA=analyte not tested
Grey shaded cell represent a concentration exceeding the GQS

Table 3
Soil Samples Analytical Results for VOCs
225-227 Boreum , Brooklyn, NY

Sample ID	SV-1		SV-2		SV-3		OA-1	
Sampling Date	11/8/2013		11/8/2013		11/8/2013		11/8/2013	
Matrix	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor	
Units	ug/m3		ug/m3		ug/m3		ug/m3	
Compound	Result	Q	Results	Q	Results	Q	Results	Q
1,1,1-Trichloroethane	**16**	D	<17		<0.55		<0.55	
1,1,2,2-Tetrachloroethane	<20		<21		<0.7		<0.7	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<22		<24		<0.78		**1.3**	
1,1,2-Trichloroethane	<16		<17		<0.55		<0.55	
1,1-Dichloroethane	<12		<13		<0.41		<0.41	
1,1-Dichloroethylene	<12		<12		<0.4		<0.4	
1,2,4-Trichlorobenzene	<22		<23		<0.75		<0.75	
1,2,4-Trimethylbenzene	**14**	D	<15		<0.5		**1.6**	
1,2-Dibromoethane	<23		<24		<0.78		<0.78	
1,2-Dichlorobenzene	<18		<19		<0.61		<0.61	
1,2-Dichloroethane	<12		<13		<0.41		<0.41	
1,2-Dichloropropane	<14		<14		<0.47		<0.47	
1,2-Dichlorotetrafluoroethane	<20		<22		<0.71		<0.71	
1,3,5-Trimethylbenzene	<14		<15		<0.5		**0.75**	
1,3 Butadiene	**100**	D	<13		<0.44		<0.44	
1,3-Dichlorobenzene	<18		<19		<0.61		<0.61	
1,4-Dichlorobenzene	<18		<19		<0.61		<0.61	
1,4-Dioxane	<11		<11		<0.37		<0.37	
2-Butanone	**48**	D	<9.1		<0.3		**3.3**	
2-Hexanone	<12		<13		<0.42		<0.42	
4-Methyl-2-pentanone	**61**	D	<13		<0.42		<0.42	
Acetone	**220**	D	**68**	D	**1.5**		**17**	
Benzene	**30**	D	**9.9**	D	**0.32**		**2.9**	
Benzyl chloride	<15		<16		<0.53		<0.53	
Bromodichloromethane	<18		<19		<0.63		<0.63	
Bromoform	<30		<32		<1.1		<1.1	
Bromomethane	<11		<12		<0.39		<0.39	
Carbon disulfide	**41**	D	**13**	D	<0.32		<0.32	
Carbon tetrachloride	<9.2		<9.7		**0.45**		**1.2**	
Chlorobenzene	<13		<14		<0.47		<0.47	
Chloroethane	<7.7		<8.2		<0.27		<0.27	
Chloroform	<14		<15		<0.5		**0.65**	
Chloromethane	<6		<6.4		<0.21		**1.6**	
cis-1,2-Dichloroethylene	<12		<12		<0.4		<0.4	
cis-1,3-Dichloropropylene	<13		<14		<0.46		<0.46	
Cyclohexane	**16**	D	<11		<0.35		**0.91**	
Dibromochloromethane	<24		<25		<0.82		<0.82	
Dichlorodifluoromethane	**17**	D	<15		<0.5		**4.1**	
Ethyl acetate	<11		<11		<0.37		<0.37	
Ethyl Benzene	**22**	D	<13		<0.44		**2.7**	
Hexachlorobutadiene	<31		<33		<1.1		<1.1	
Isopropanol	<7.2		<7.6		<0.25		<0.25	
Methyl Metrhacrylate	<12		<13		<0.42		<0.42	
Methyl tert-butyl ether (MTBE)	<11		<11		<0.37		<0.37	
Methylene chloride	**13**	D	<11		<0.35		**3.1**	
n-Heptane	**35**	D	<13		<0.42		**1.7**	
n-Hexane	**71**	D	<11		<0.36		**3.2**	
o-Xylene	**15**	D	<13		<0.44		**3.3**	
p- & m- Xylenes	**53**	D	<27		<0.88		**8.8**	
p-Isopropyltoluene	<72		<76		<2.5		<2.5	
Propylene	<5		<5.3		<0.18		**5.2**	
Styrene	<12		<13		<0.43		**0.52**	
Tetrachloroethylene	**54**	D	<21		<0.69		**3**	
Tetrahydrofuran	<8.6		<9.1		<0.3		**1.9**	
Toluene	**100**	D	**17**	D	**0.69**		**11**	
trans-1,2-Dichloroethylene	<12		<12		<0.4		<0.4	
trans-1,3-Dichloropropylene	<13		<14		<0.46		<0.46	
Trichloroethylene	<7.9		<8.3		<0.27		<0.27	
Trichlorofluoromethane	<16		<17		<0.57		**2.5**	
Vinyl acetate	<10		<11		<0.36		<0.36	
Vinyl Chloride	<7.5		<7.9		<0.26		<0.26	

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution

APPENDICES

APPENDIX-A

PREVIOUS ENVIRONMENTAL REPORTS REPORT (CD-ROM)

APPENDIX-B

SOIL BORING LOGS

Hydro Tech Environmental, Corp.

Main Office
2171 Jericho Turnpike, Suite 240
Commack, New York 11725
T (631) 462-5866 · F (631) 462-5877

NYC Office
1111 Fulton Street, 2nd Floor
Brooklyn, New York 11238
T (718) 636-0800 · F (718) 636-0900

www.hydrotechenvironmental.com

Soil Probe Log

Job No:

Date: 12/10/2007

Location: 225-227 Boerum Street
Brooklyn, NY

Boring No.: SP-1

Drilling Method: Direct Push

Total Depth: 8ft

Sampling Interval: 2ft

Sampling Method: Macro Core

Driller: Carlos

Depth to Water: 23ft

USCS SYMBOLS

GW - Well Graded Gravel
GP - Poorly Graded Gravel
GM - Silty Gravel
GC - Clayey Gravel
SW - Well Graded Sand
SP - Poorly Graded Sand
SM - Silty Sand
SC - Clayey Sand
ML - Inorganic Silt / Sandy Silt
CL - Inorganic Clays/Sandy Clay
OL - Inorganic Silts/Organic Silty Clay
MH- Elastic Silts
CH - Inorganic Clay, High Plastic
OH - Organic Silt / Clay
PT - Peat/High Organics

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0	SW	Grey / Brown fine sand with fill material
-2	0	SW	Brown fine sand
-4	0	SW	Brown fine sand
-6	0	SW	Brown fine sand
-8			

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www.hydrotechenvironmental.com

Soil Probe Log

Job No:

Date: 12/10/2007

Location: 225-227 Boerum Street
Brooklyn, NY

Boring No.: SP-2

Drilling Method: Direct Push

Total Depth: 8ft

Sampling Interval: 2ft

Sampling Method: Macro Core

Driller: Carlos

Depth to Water: 23ft

USCS SYMBOLS

GW - Well Graded Gravel
GP - Poorly Graded Gravel
GM - Silty Gravel
GC - Clayey Gravel
SW - Well Graded Sand
SP - Poorly Graded Sand
SM - Silty Sand
SC - Clayey Sand
ML - Inorganic Silt / Sandy Silt
CL - Inorganic Clays/Sandy Clay
OL - Inorganic Silts/Organic Silty Clay
MH- Elastic Silts
CH - Inorganic Clay, High Plastic
OH - Organic Silt / Clay
PT - Peat/High Organics

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0	sw	Grey / Brown fine sand with fill material
-2	0	sw	Brown fine sand
-4	0	sw	Brown fine sand
-6	0	sw	Brown fine sand
-8			

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Soil Probe Log

Job No:

Date: 12/10/2007

Location: 225-227 Boerum Street
Brooklyn, NY

Boring No.: SP-3

Drilling Method: Direct Push

Total Depth: 8ft

Sampling Interval: 2ft

Sampling Method: Macro Core

Driller: Carlos

Depth to Water: 23ft

USCS SYMBOLS

GW - Well Graded Gravel
GP - Poorly Graded Gravel
GM - Silty Gravel
GC - Clayey Gravel
SW - Well Graded Sand
SP - Poorly Graded Sand
SM - Silty Sand
SC - Clayey Sand
ML - Inorganic Silt / Sandy Silt
CL - Inorganic Clays/Sandy Clay
OL - Inorganic Silts/Organic Silty Clay
MH- Elastic Silts
CH - Inorganic Clay, High Plastic
OH - Organic Silt / Clay
PT - Peat/High Organics

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0	sw	Grey / Brown fine sand with fill material
-2	0	sw	Brown fine sand with fill material
-4	0	sw	Brown fine sand
-6	0	sw	Brown fine sand
-8			

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Soil Probe Log

Job No:

Date: 12/10/2007

Location: 225-227 Boerum Street
Brooklyn, NY

Boring No.: SP-4

Drilling Method: Direct Push

Total Depth: 8ft

Sampling Interval: 2ft

Sampling Method: Macro Core

Driller: Carlos

Depth to Water: 23ft

USCS SYMBOLS

GW - Well Graded Gravel
GP - Poorly Graded Gravel
GM - Silty Gravel
GC - Clayey Gravel
SW - Well Graded Sand
SP - Poorly Graded Sand
SM - Silty Sand
SC - Clayey Sand
ML - Inorganic Silt / Sandy Silt
CL - Inorganic Clays/Sandy Clay
OL - Inorganic Silts/Organic Silty Clay
MH- Elastic Silts
CH - Inorganic Clay, High Plastic
OH - Organic Silt / Clay
PT - Peat/High Organics

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0	SW	Grey / Brown fine sand with fill material
-2	0	SW	Brown fine sand with fill material
-4	0	SW	Brown fine sand with fill material
-6	0	SW	Brown fine sand with fill material
-8			

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www.hydrotechenvironmental.com

Soil Probe Log

Job No: 130293 | Date: 11/07/2013 | Page: 1 of 1

Location: 225-227 Boerum Street, Brooklyn, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-5

Driller: Sylvester

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 10 Feet

USCS SYMBOLS

GW - Well Graded Gravel
GP - Poorly Graded Gravel
GM - Silty Gravel
GC - Clayey Gravel
SW - Well Graded Sand
SP - Poorly Graded Sand
SM - Silty Sand
SC - Clayey Sand
ML - Inorganic Silt / Sandy Silt
CL - Inorganic Clays/Sandy Clay
OL - Inorganic Silts/Organic Silty Clay
MH- Elastic Silts
CH - Inorganic Clay, High Plastic
OH - Organic Silt / Clay
PT - Peat/High Organics

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.1	SP	Brown medium grained sand with pebbles and fill material. No odor
-2	0.1	SP	Brown medium grained sand with pebbles. No odor
-4	0.1	SP	Dark brown fine grained sand with pebbles. No odor
-6	0.1	SP	Dark brown fine grained sand with pebbles. No odor
-8	0.1	SP	Light brown coarse grained sand with pebbles. No odor
-10			

APPENDIX-C

SOIL VAPOR SAMPLING LOG

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record - AIR

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 13K0403

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Hydro tech	Company: S	Company: S	225-227 Boerum St Brooklyn, NY	RUSH - Same Day ☐	Summary Report ____
Address: 15 Oleen Ave Brooklyn NY	Address: A	Address: A		RUSH - Next Day ☐	Summary w/ QA Summary ____
Phone No. 718-638-0800	Phone No. M	Phone No. M	Purchase Order No.	RUSH - Two Day ☐	CT RCP Package ____
Contact Person: Paul Mathy	Attention: E	Attention: E		RUSH - Three Day ☐	NY ASP A Package ____
E-Mail Address: PMathy@htecnc.net	E-Mail Address:	E-Mail Address:	Samples from: CT___ NY ✓ NJ___	RUSH - Four Day ☐	NY ASP B/CLP Pkg ____
				Standard ~~(5-7 Days)~~ 4 day ☐	NJDEP Reduced ____
					Electronic Deliverables:
					EDD (Specify Type) ____
					Standard Excel ____
					Regulatory Comparison Excel ____

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Carlo Quinonez
Name (printed)

Air Matrix Codes

- AI - INDOOR Ambient Air
- AO- OUTDOOR Amb. Air
- AE- Vapor Extraction Well/ Process Gas/Effluent
- AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses

EPA TO-15 List	EPA TO-14A List
NYSDEC VI list	Tentatively Identified Compounds
NYSDEC STARS List	Air VPH
Project Specific List by TO-15	Helium
NJDEP Target List	Methane
CTDEP RCP Target List	OTHER_____

Detection Limits Required

- ≤ 1 ug/m³ ____
- NYSDEC VI Limits____ (VI = vapor intrusion)
- NJDEP low level ____
- Routine Survey ____
- Other_____

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum Afer Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SV-1 / 402	11/8/13	AS	-30	15	TO + 15	6 Liter Summa canister ✓ Tedlar Bag____
SV-2 / 450	↓	AS	-26	21	↓	6 Liter Summa canister ✓ Tedlar Bag____
SV-3 / 511	↓	AS	-30	22	↓	6 Liter Summa canister ✓ Tedlar Bag____
OA-1 / 456	↓	AO	-30	13	↓	6 Liter Summa canister ✓ Tedlar Bag____
						6 Liter Summa canister____ Tedlar Bag____
						6 Liter Summa canister____ Tedlar Bag____
						6 Liter Summa canister____ Tedlar Bag____
						6 Liter Summa canister____ Tedlar Bag____
						6 Liter Summa canister____ Tedlar Bag____
						6 Liter Summa canister____ Tedlar Bag____

Comments

Samples Relinquished By: [signature] Date/Time: 11/12/13 1:30 pm

Samples Relinquished By: ____ Date/Time: ____

Samples Received By: K Barker Date/Time: 11/12/13 1:30 PM

Samples Received in LAB by: P Face 11-12-13 Date/Time: 1800

Table of Contents

APPENDIX-D

LABORATORY DATA DELIVERABLES FOR SOIL ANALYTICAL DATA

SOUTH MALL ANALYTICAL LABS, INC.™

26 NORTH MALL • PLAINVIEW, NY 11803
(516) 293-2191 • FAX (516) 293-3152
E-Mail: Info@SouthMallLabs.com
Website: www.SouthMallLabs.com

December 19, 2007

Analytical Results

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725

Att: Xuan Xu

Sample Description: Water - 225-227 Boeum Street, DRAFT: GP-1 - 12/10/07 08:00
Sample Collected By: Hydro Tech Environmental
Purchase Order: 2554
Date Samples Received: 12/11/07 08:30
Lab ID Number: 0712079-01 Sample

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Aluminum	**25.9**		mg/L	1.21	12/17/07 17:39	MEM	SW 6010B
Antimony	<0.009		mg/L	0.009	12/17/07 16:24	MEM	SW 6010B
Arsenic	<0.005		mg/L	0.005	12/17/07 16:24	MEM	SW 6010B
Barium	**1.61**		mg/L	0.001	12/17/07 16:24	MEM	SW 6010B
Beryllium	**0.010**		mg/L	0.001	12/17/07 16:24	MEM	SW 6010B
Cadmium	**0.010**		mg/L	0.001	12/17/07 16:24	MEM	SW 6010B
Calcium	**253**		mg/L	3.00	12/17/07 17:39	MEM	SW 6010B
Chromium	**0.318**		mg/L	0.002	12/17/07 16:24	MEM	SW 6010B
Cobalt	**0.186**		mg/L	0.001	12/17/07 16:24	MEM	SW 6010B
Copper	**0.261**		mg/L	0.004	12/17/07 16:24	MEM	SW 6010B
Iron	**52.5**	QB-01, B	mg/L	0.400	12/17/07 17:39	MEM	SW 6010B
Lead	**0.165**		mg/L	0.015	12/17/07 16:24	MEM	SW 6010B
Magnesium	**71.3**		mg/L	0.700	12/17/07 17:39	MEM	EPA 6010B
Manganese	**53.5**		mg/L	0.100	12/17/07 17:39	MEM	SW 6010B
Nickel	**0.124**		mg/L	0.002	12/17/07 16:24	MEM	SW 6010B
Potassium	**19.6**	QB-01, B	mg/L	1.00	12/17/07 17:39	MEM	SW 6010B
Selenium	<0.010		mg/L	0.010	12/17/07 16:24	MEM	SW 6010B
Silver	<0.025		mg/L	0.025	12/17/07 16:24	MEM	SW 6010B
Sodium	**147**		mg/L	1.00	12/17/07 17:39	MEM	SW 6010B
Thallium	<0.005		mg/L	0.005	12/17/07 16:24	MEM	SW 6010B
Vanadium	**0.205**		mg/L	0.002	12/17/07 16:24	MEM	SW 6010B
Zinc	**0.451**	QB-01, B	mg/L	0.002	12/17/07 16:24	MEM	SW 6010B
Benzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Bromobenzene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Bromochloromethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: 0712079-01

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Bromodichloromethane	<5.00		ug/L	5.00	12/12/07 15:53	AR	SW 8260B
Bromoform	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Bromomethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
n-Butylbenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
sec-Butylbenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
tert-Butylbenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Carbon Tetrachloride	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Chlorobenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Chloroethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Chloroform	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Chloromethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
2-Chlorotoluene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
4-Chlorotoluene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Dibromochloromethane	<5.00		ug/L	5.00	12/12/07 15:53	AR	SW 8260B
1,2-Dibromo-3-chloropropane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
1,2-Dibromoethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Dibromomethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,3-Dichlorobenzene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Dichlorodifluoromethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,1-Dichloroethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
1,2-Dichloroethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,1-Dichloroethene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,2-Dichloropropane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
1,3-Dichloropropane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
2,2-Dichloropropane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
1,1-Dichloropropene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
cis-1,3-Dichloropropene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
trans-1,3-Dichloropropene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Ethylbenzene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Hexachlorobutadiene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Isopropylbenzene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
4-Isopropyltoluene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Methyl-tert-Butyl Ether	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Methylene Chloride	<10.0		ug/L	10.0	12/12/07 15:53	AR	SW 8260B
Naphthalene	<5.00		ug/L	5.00	12/12/07 15:53	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-01**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
n-Propylbenzene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Styrene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,1,2,2-Tetrachloroethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Tetrachloroethene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Toluene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,2,3-Trichlorobenzene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
1,2,4-Trichlorobenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,1,1-Trichloroethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,1,2-Trichloroethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Trichloroethene	**10.7**		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Trichlorofluoromethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,2,3-Trichloropropane	<5.00		ug/L	5.00	12/12/07 15:53	AR	SW 8260B
1,2,4-Trimethylbenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,3,5-Trimethylbenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Vinyl chloride	<5.00		ug/L	5.00	12/12/07 15:53	AR	SW 8260B
m,p-Xylenes	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
o-Xylene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B

Extracted 12/14/07 by Separatory Funnel Extraction for SW 8270C.

Acenaphthene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Acenaphthylene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Anthracene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Benzo (a) anthracene	<2.00		ug/L	2.00	12/19/07 10:03	AR	SW 8270C
Benzo (a) pyrene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Benzo (b) fluoranthene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Benzo (g,h,i) perylene	<10.0		ug/L	10.0	12/19/07 10:03	AR	SW 8270C
Benzo (k) fluoranthene	<10.0		ug/L	10.0	12/19/07 10:03	AR	SW 8270C
4-Bromophenyl phenyl ether	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Butyl benzyl phthalate	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
4-Chloroaniline	<10.0		ug/L	10.0	12/19/07 10:03	AR	SW 8270C
Bis(2-chloroethoxy)methane	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Bis(2-chloroethyl)ether	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
2-Chloronaphthalene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
4-Chlorophenyl phenyl ether	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Chrysene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Dibenz (a,h) anthracene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Dibenzofuran	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-01**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Di-n-butyl phthalate	**20.2**	B	ug/L	5.00	12/19/07 10:03	AR	SW 8270C
1,2-Dichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
1,4-Dichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
1,3-Dichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
3,3´-Dichlorobenzidine	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Diethyl phthalate	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Dimethyl phthalate	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
2,4-Dinitrotoluene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
2,6-Dinitrotoluene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Di-n-octyl phthalate	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	**10.1**		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Fluoranthene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Fluorene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Hexachlorobenzene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Hexachlorobutadiene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Hexachlorocyclopentadiene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Hexachloroethane	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Isophorone	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
2-Methylnaphthalene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Naphthalene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
3-Nitroaniline	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
2-Nitroaniline	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
4-Nitroaniline	<10.0		ug/L	10.0	12/19/07 10:03	AR	SW 8270C
Nitrobenzene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
N-Nitrosodiphenylamine	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
N-Nitrosodi-n-propylamine	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Phenanthrene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Pyrene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
1,2,4-Trichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-01**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Extracted 12/14/07 by Separatory Funnel Extraction for SW 8081.							
alpha-BHC	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
alpha-Chlordane	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
beta-BHC	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Aldrin	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
gamma-BHC (Lindane)	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
gamma-Chlordane	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Heptachlor	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Heptachlor epoxide	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
delta-BHC	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Endosulfan I	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endosulfan II	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endosulfan sulfate	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endrin	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endrin aldehyde	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endrin ketone	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
4,4´-DDD	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
4,4´-DDE	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
4,4´-DDT	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Methoxychlor	<0.10		ug/L	0.10	12/18/07 15:23	AR	SW 8081
Dieldrin	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Chlordane (technical)	<0.10		ug/L	0.10	12/18/07 15:23	AR	SW 8081
Toxaphene	<0.10		ug/L	0.10	12/18/07 15:23	AR	SW 8081
Extracted 12/14/07 by Separatory Funnel Extraction for SW 8082.							
Aroclor 1016	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1221	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1232	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1242	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1248	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1254	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1260	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004

QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QB-01 - The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

B - Analyte is found in the associated blank as well as in the sample.

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Joseph P. Shaulys

SOUTH MALL ANALYTICAL LABS, INC.™

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Website: www.SouthMallLabs.com

December 19, 2007

Analytical Results

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725

Att: Xuan Xu

Sample Description: Water - 225-227 Boeum Street, DRAFT: GP-2 - 12/10/07 08:00
Sample Collected By: Hydro Tech Environmental
Purchase Order: 2554
Date Samples Received: 12/11/07 08:30
Lab ID Number: 0712079-02 Sample

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Aluminum	**30.5**		mg/L	1.21	12/17/07 17:43	MEM	SW 6010B
Antimony	<0.009		mg/L	0.009	12/17/07 16:27	MEM	SW 6010B
Arsenic	<0.005		mg/L	0.005	12/17/07 16:27	MEM	SW 6010B
Barium	**4.01**		mg/L	0.001	12/17/07 16:27	MEM	SW 6010B
Beryllium	**0.004**		mg/L	0.001	12/17/07 16:27	MEM	SW 6010B
Cadmium	**0.008**		mg/L	0.001	12/17/07 16:27	MEM	SW 6010B
Calcium	**271**		mg/L	3.00	12/17/07 17:43	MEM	SW 6010B
Chromium	**0.330**		mg/L	0.002	12/17/07 16:27	MEM	SW 6010B
Cobalt	**0.143**		mg/L	0.001	12/17/07 16:27	MEM	SW 6010B
Copper	**0.300**		mg/L	0.004	12/17/07 16:27	MEM	SW 6010B
Iron	**43.3**	QB-01, B	mg/L	0.400	12/17/07 17:43	MEM	SW 6010B
Lead	**0.038**		mg/L	0.015	12/17/07 16:27	MEM	SW 6010B
Magnesium	**42.0**		mg/L	0.700	12/17/07 17:43	MEM	EPA 6010B
Manganese	**64.3**		mg/L	0.100	12/17/07 17:43	MEM	SW 6010B
Nickel	**0.133**		mg/L	0.002	12/17/07 16:27	MEM	SW 6010B
Potassium	**23.7**	QB-01, B	mg/L	1.00	12/17/07 17:43	MEM	SW 6010B
Selenium	<0.010		mg/L	0.010	12/17/07 16:27	MEM	SW 6010B
Silver	<0.025		mg/L	0.025	12/17/07 16:27	MEM	SW 6010B
Sodium	**102**		mg/L	1.00	12/17/07 17:43	MEM	SW 6010B
Thallium	<0.005		mg/L	0.005	12/17/07 16:27	MEM	SW 6010B
Vanadium	**0.023**		mg/L	0.002	12/17/07 16:27	MEM	SW 6010B
Zinc	**0.348**	QB-01, B	mg/L	0.002	12/17/07 16:27	MEM	SW 6010B
Benzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Bromobenzene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Bromochloromethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-02**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Bromodichloromethane	<5.00		ug/L	5.00	12/12/07 16:33	AR	SW 8260B
Bromoform	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Bromomethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
n-Butylbenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
sec-Butylbenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
tert-Butylbenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Carbon Tetrachloride	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Chlorobenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Chloroethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Chloroform	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Chloromethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
2-Chlorotoluene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
4-Chlorotoluene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Dibromochloromethane	<5.00		ug/L	5.00	12/12/07 16:33	AR	SW 8260B
1,2-Dibromo-3-chloropropane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
1,2-Dibromoethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Dibromomethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,3-Dichlorobenzene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Dichlorodifluoromethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,1-Dichloroethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
1,2-Dichloroethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,1-Dichloroethene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,2-Dichloropropane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
1,3-Dichloropropane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
2,2-Dichloropropane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
1,1-Dichloropropene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
cis-1,3-Dichloropropene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
trans-1,3-Dichloropropene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Ethylbenzene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Hexachlorobutadiene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Isopropylbenzene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
4-Isopropyltoluene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Methyl-tert-Butyl Ether	**4.05**		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Methylene Chloride	<10.0		ug/L	10.0	12/12/07 16:33	AR	SW 8260B
Naphthalene	<5.00		ug/L	5.00	12/12/07 16:33	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-02**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
n-Propylbenzene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Styrene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,1,2,2-Tetrachloroethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Tetrachloroethene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Toluene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,2,3-Trichlorobenzene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
1,2,4-Trichlorobenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,1,1-Trichloroethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,1,2-Trichloroethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Trichloroethene	**2.38**		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Trichlorofluoromethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,2,3-Trichloropropane	<5.00		ug/L	5.00	12/12/07 16:33	AR	SW 8260B
1,2,4-Trimethylbenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,3,5-Trimethylbenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Vinyl chloride	<5.00		ug/L	5.00	12/12/07 16:33	AR	SW 8260B
m,p-Xylenes	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
o-Xylene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B

Extracted 12/14/07 by Separatory Funnel Extraction for SW 8270C.

Acenaphthene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Acenaphthylene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Anthracene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Benzo (a) anthracene	<2.00		ug/L	2.00	12/19/07 10:56	AR	SW 8270C
Benzo (a) pyrene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Benzo (b) fluoranthene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Benzo (g,h,i) perylene	<10.0		ug/L	10.0	12/19/07 10:56	AR	SW 8270C
Benzo (k) fluoranthene	<10.0		ug/L	10.0	12/19/07 10:56	AR	SW 8270C
4-Bromophenyl phenyl ether	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Butyl benzyl phthalate	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
4-Chloroaniline	<10.0		ug/L	10.0	12/19/07 10:56	AR	SW 8270C
Bis(2-chloroethoxy)methane	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Bis(2-chloroethyl)ether	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
2-Chloronaphthalene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
4-Chlorophenyl phenyl ether	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Chrysene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Dibenz (a,h) anthracene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Dibenzofuran	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-02**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Di-n-butyl phthalate	**23.6**	B	ug/L	5.00	12/19/07 10:56	AR	SW 8270C
1,2-Dichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
1,4-Dichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
1,3-Dichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
3,3´-Dichlorobenzidine	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Diethyl phthalate	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Dimethyl phthalate	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
2,4-Dinitrotoluene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
2,6-Dinitrotoluene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Di-n-octyl phthalate	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	**10.8**		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Fluoranthene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Fluorene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Hexachlorobenzene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Hexachlorobutadiene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Hexachlorocyclopentadiene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Hexachloroethane	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Isophorone	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
2-Methylnaphthalene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Naphthalene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
3-Nitroaniline	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
2-Nitroaniline	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
4-Nitroaniline	<10.0		ug/L	10.0	12/19/07 10:56	AR	SW 8270C
Nitrobenzene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
N-Nitrosodiphenylamine	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
N-Nitrosodi-n-propylamine	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Phenanthrene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Pyrene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
1,2,4-Trichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-02**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Extracted 12/14/07 by Separatory Funnel Extraction for SW 8081.							
alpha-BHC	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
alpha-Chlordane	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
beta-BHC	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Aldrin	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
gamma-BHC (Lindane)	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
gamma-Chlordane	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Heptachlor	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Heptachlor epoxide	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
delta-BHC	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Endosulfan I	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endosulfan II	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endosulfan sulfate	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endrin	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endrin aldehyde	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endrin ketone	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
4,4´-DDD	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
4,4´-DDE	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
4,4´-DDT	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Methoxychlor	<0.10		ug/L	0.10	12/18/07 15:23	AR	SW 8081
Dieldrin	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Chlordane (technical)	<0.10		ug/L	0.10	12/18/07 15:23	AR	SW 8081
Toxaphene	<0.10		ug/L	0.10	12/18/07 15:23	AR	SW 8081
Extracted 12/14/07 by Separatory Funnel Extraction for SW 8082.							
Aroclor 1016	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1221	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1232	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1242	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1248	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1254	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1260	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004

QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QB-01 - The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

B - Analyte is found in the associated blank as well as in the sample.

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Joseph P. Shaulys

SOUTH MALL ANALYTICAL LABS, INC.™

26 NORTH MALL • PLAINVIEW, NY 11803
(516) 293-2191 • FAX (516) 293-3152
E-Mail: Info@SouthMallLabs.com
Website: www.SouthMallLabs.com

December 19, 2007

Analytical Results

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725

Att: Xuan Xu

Sample Description: Soil - 225-227 Boeum Street, DRAFT: SP-1 (0'-2') - 12/10/07 08:00
Sample Collected By: Hydro Tech Environmental
Purchase Order: 2554
Date Samples Received: 12/11/07 08:30
Lab ID Number: 0712079-03 Sample

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Aluminum	<8050	QB-01	mg/kg dry	8050	12/17/07 12:51	MEM	SW 6010B
Antimony	**1.75**		mg/kg dry	0.604	12/13/07 14:11	MEM	SW 6010B
Arsenic	<0.336		mg/kg dry	0.336	12/13/07 14:11	MEM	SW 6010B
Barium	**57.5**		mg/kg dry	0.067	12/13/07 14:11	MEM	SW 6010B
Beryllium	**0.346**		mg/kg dry	0.067	12/13/07 14:11	MEM	SW 6010B
Cadmium	**3.00**		mg/kg dry	0.067	12/13/07 14:11	MEM	SW 6010B
Calcium	<20200	QB-01	mg/kg dry	20200	12/17/07 12:51	MEM	SW 6010B
Chromium	**19.9**		mg/kg dry	0.067	12/13/07 14:11	MEM	SW 6010B
Cobalt	**7.62**		mg/kg dry	0.067	12/13/07 14:11	MEM	SW 6010B
Copper	**22.7**		mg/kg dry	0.067	12/13/07 14:11	MEM	SW 6010B
Iron	**25200**	QB-01, B	mg/kg dry	3360	12/17/07 12:51	MEM	SW 6010B
Lead	**20.4**		mg/kg dry	1.01	12/13/07 14:11	MEM	SW 6010B
Magnesium	<4700	QB-01	mg/kg dry	4700	12/17/07 12:51	MEM	SW 6010B
Manganese	**333**		mg/kg dry	0.067	12/13/07 14:11	MEM	SW 6010B
Nickel	**12.4**		mg/kg dry	0.134	12/13/07 14:11	MEM	SW 6010B
Potassium	**267**	QB-01, B	mg/kg dry	0.671	12/13/07 14:11	MEM	SW 6010B
Selenium	<0.671		mg/kg dry	0.671	12/13/07 14:11	MEM	SW 6010B
Silver	<0.134		mg/kg dry	0.134	12/13/07 14:11	MEM	SW 6010B
Sodium	**10.3**	B	mg/kg dry	0.671	12/13/07 14:11	MEM	SW 6010B
Thallium	<0.336		mg/kg dry	0.336	12/13/07 14:11	MEM	SW 6010B
Vanadium	**32.8**		mg/kg dry	0.134	12/13/07 14:11	MEM	SW 6010B
Zinc	**67.8**	QB-01, B	mg/kg dry	0.134	12/13/07 14:11	MEM	SW6010B
Benzene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Bromobenzene	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
Bromochloromethane	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: 0712079-03

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Bromodichloromethane	<29.0		ug/kg dry	29.0	12/12/07 00:06	AR	SW 8260B
Bromoform	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Bromomethane	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
n-Butylbenzene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
sec-Butylbenzene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
tert-Butylbenzene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Carbon Tetrachloride	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
Chlorobenzene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Chloroethane	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
Chloroform	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Chloromethane	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
2-Chlorotoluene	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
4-Chlorotoluene	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
Dibromochloromethane	<29.0		ug/kg dry	29.0	12/12/07 00:06	AR	SW 8260B
1,2-Dibromo-3-chloropropane	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
1,2-Dibromoethane	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
Dibromomethane	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
1,2-Dichlorobenzene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
1,3-Dichlorobenzene	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
1,4-Dichlorobenzene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Dichlorodifluoromethane	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
1,1-Dichloroethane	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
1,2-Dichloroethane	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
1,1-Dichloroethene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
cis-1,2-Dichloroethene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
trans-1,2-Dichloroethene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
1,2-Dichloropropane	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
1,3-Dichloropropane	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
2,2-Dichloropropane	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
1,1-Dichloropropene	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
cis-1,3-Dichloropropene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
trans-1,3-Dichloropropene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Ethylbenzene	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
Hexachlorobutadiene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Isopropylbenzene	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
4-Isopropyltoluene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Methyl-tert-Butyl Ether	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Methylene Chloride	<57.9		ug/kg dry	57.9	12/12/07 00:06	AR	SW 8260B
Naphthalene	<29.0		ug/kg dry	29.0	12/12/07 00:06	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-03**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
n-Propylbenzene	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
Styrene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
1,1,1,2-Tetrachloroethane	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
1,1,2,2-Tetrachloroethane	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
Tetrachloroethene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Toluene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
1,2,3-Trichlorobenzene	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
1,2,4-Trichlorobenzene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
1,1,1-Trichloroethane	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
1,1,2-Trichloroethane	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
Trichloroethene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Trichlorofluoromethane	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
1,2,3-Trichloropropane	<29.0		ug/kg dry	29.0	12/12/07 00:06	AR	SW 8260B
1,2,4-Trimethylbenzene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
1,3,5-Trimethylbenzene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Vinyl chloride	<29.0		ug/kg dry	29.0	12/12/07 00:06	AR	SW 8260B
m,p-Xylenes	<11.6		ug/kg dry	11.6	12/12/07 00:06	AR	SW 8260B
o-Xylene	<5.79		ug/kg dry	5.79	12/12/07 00:06	AR	SW 8260B
Extracted 12/13/07 by Soxhlet Extraction for SW 8270C.							
Acenaphthene	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C
Acenaphthylene	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C
Anthracene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Benzo (a) anthracene	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C
Benzo (a) pyrene	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C
Benzo (b) fluoranthene	<579		ug/kg dry	579	12/19/07 00:02	AR	SW 8270C
Benzo (g,h,i) perylene	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C
Benzo (k) fluoranthene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
4-Bromophenyl phenyl ether	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C
Butyl benzyl phthalate	<579		ug/kg dry	579	12/19/07 00:02	AR	SW 8270C
4-Chloroaniline	<579		ug/kg dry	579	12/19/07 00:02	AR	SW 8270C
Bis(2-chloroethoxy)methane	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Bis(2-chloroethyl)ether	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
2-Chloronaphthalene	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C
4-Chlorophenyl phenyl ether	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Chrysene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Dibenz (a,h) anthracene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Dibenzofuran	<579		ug/kg dry	579	12/19/07 00:02	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-03**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Di-n-butyl phthalate	**1000**	B	ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
1,2-Dichlorobenzene	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C
1,4-Dichlorobenzene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
1,3-Dichlorobenzene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
3,3´-Dichlorobenzidine	<579		ug/kg dry	579	12/19/07 00:02	AR	SW 8270C
Diethyl phthalate	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Dimethyl phthalate	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C
2,4-Dinitrotoluene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
2,6-Dinitrotoluene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Di-n-octyl phthalate	<579		ug/kg dry	579	12/19/07 00:02	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	**426**	B	ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Fluoranthene	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C
Fluorene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Hexachlorobenzene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Hexachlorobutadiene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Hexachlorocyclopentadiene	<1160		ug/kg dry	1160	12/19/07 00:02	AR	SW 8270C
Hexachloroethane	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Isophorone	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
2-Methylnaphthalene	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C
Naphthalene	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C
3-Nitroaniline	<579		ug/kg dry	579	12/19/07 00:02	AR	SW 8270C
2-Nitroaniline	<579		ug/kg dry	579	12/19/07 00:02	AR	SW 8270C
4-Nitroaniline	<579		ug/kg dry	579	12/19/07 00:02	AR	SW 8270C
Nitrobenzene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
N-Nitrosodiphenylamine	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
N-Nitrosodi-n-propylamine	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Phenanthrene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
Pyrene	<232		ug/kg dry	232	12/19/07 00:02	AR	SW 8270C
1,2,4-Trichlorobenzene	<116		ug/kg dry	116	12/19/07 00:02	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-03**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Extracted 12/13/07 by Soxhlet Extraction for SW 8081.							
alpha-BHC	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
alpha-Chlordane	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
beta-BHC	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
Aldrin	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
gamma-BHC (Lindane)	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
gamma-Chlordane	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
Heptachlor	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
Heptachlor epoxide	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
delta-BHC	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
Endosulfan I	<5.79		ug/kg dry	5.79	12/17/07 10:50	AR	SW 8081
Endosulfan II	<5.79		ug/kg dry	5.79	12/17/07 10:50	AR	SW 8081
Endosulfan sulfate	<5.79		ug/kg dry	5.79	12/17/07 10:50	AR	SW 8081
Endrin	<5.79		ug/kg dry	5.79	12/17/07 10:50	AR	SW 8081
Endrin aldehyde	<5.79		ug/kg dry	5.79	12/17/07 10:50	AR	SW 8081
Endrin ketone	<5.79		ug/kg dry	5.79	12/17/07 10:50	AR	SW 8081
4,4´-DDD	<5.79		ug/kg dry	5.79	12/17/07 10:50	AR	SW 8081
4,4´-DDE	<5.79		ug/kg dry	5.79	12/17/07 10:50	AR	SW 8081
4,4´-DDT	<5.79		ug/kg dry	5.79	12/17/07 10:50	AR	SW 8081
Methoxychlor	<11.6		ug/kg dry	11.6	12/17/07 10:50	AR	SW 8081
Dieldrin	<5.79		ug/kg dry	5.79	12/17/07 10:50	AR	SW 8081
Chlordane (technical)	<11.6		ug/kg dry	11.6	12/17/07 10:50	AR	SW 8081
Toxaphene	<11.6		ug/kg dry	11.6	12/17/07 10:50	AR	SW 8081
Extracted 12/13/07 by Soxhlet Extraction for SW 8082.							
Aroclor 1016	<46.3		ug/kg dry	46.3	12/17/07 10:42	AR	SW 8082
Aroclor 1221	<46.3		ug/kg dry	46.3	12/17/07 10:42	AR	SW 8082
Aroclor 1232	<46.3		ug/kg dry	46.3	12/17/07 10:42	AR	SW 8082
Aroclor 1242	<46.3		ug/kg dry	46.3	12/17/07 10:42	AR	SW 8082
Aroclor 1248	<46.3		ug/kg dry	46.3	12/17/07 10:42	AR	SW 8082
Aroclor 1254	<46.3		ug/kg dry	46.3	12/17/07 10:42	AR	SW 8082
Aroclor 1260	<46.3		ug/kg dry	46.3	12/17/07 10:42	AR	SW 8082

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004

QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QB-01 - The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

B - Analyte is found in the associated blank as well as in the sample.

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Joseph P. Shaulys

SOUTH MALL ANALYTICAL LABS, INC.™

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Website: www.SouthMallLabs.com

December 19, 2007

Analytical Results

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725

Att: Xuan Xu

Sample Description: Soil - 225-227 Boeum Street, DRAFT: SP-1 (6'-8') - 12/10/07 08:00
Sample Collected By: Hydro Tech Environmental
Purchase Order: 2554
Date Samples Received: 12/11/07 08:30
Lab ID Number: 0712079-04 Sample

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Aluminum	**12200**	QB-01, B	mg/kg dry	8310	12/17/07 12:54	MEM	SW 6010B
Antimony	**0.880**		mg/kg dry	0.622	12/13/07 14:42	MEM	SW 6010B
Arsenic	<0.346		mg/kg dry	0.346	12/13/07 14:42	MEM	SW 6010B
Barium	**44.9**		mg/kg dry	0.069	12/13/07 14:42	MEM	SW 6010B
Beryllium	**0.334**		mg/kg dry	0.069	12/13/07 14:42	MEM	SW 6010B
Cadmium	**2.46**		mg/kg dry	0.069	12/13/07 14:42	MEM	SW 6010B
Calcium	<20700	QB-01	mg/kg dry	20700	12/17/07 12:54	MEM	SW 6010B
Chromium	**18.2**		mg/kg dry	0.069	12/13/07 14:42	MEM	SW 6010B
Cobalt	**6.46**		mg/kg dry	0.069	12/13/07 14:42	MEM	SW 6010B
Copper	**12.8**		mg/kg dry	0.069	12/13/07 14:42	MEM	SW 6010B
Iron	**21200**	QB-01, B	mg/kg dry	3460	12/17/07 12:54	MEM	SW 6010B
Lead	**12.1**		mg/kg dry	1.04	12/13/07 14:42	MEM	SW 6010B
Magnesium	<4850	QB-01	mg/kg dry	4850	12/17/07 12:54	MEM	SW 6010B
Manganese	**431**		mg/kg dry	0.069	12/13/07 14:42	MEM	SW 6010B
Nickel	**11.3**		mg/kg dry	0.139	12/13/07 14:42	MEM	SW 6010B
Potassium	**179**	QB-01, B	mg/kg dry	0.692	12/13/07 14:42	MEM	SW 6010B
Selenium	<0.692		mg/kg dry	0.692	12/13/07 14:42	MEM	SW 6010B
Silver	<0.139		mg/kg dry	0.139	12/13/07 14:42	MEM	SW 6010B
Sodium	**8.67**	B	mg/kg dry	0.692	12/13/07 14:42	MEM	SW 6010B
Thallium	<0.346		mg/kg dry	0.346	12/13/07 14:42	MEM	SW 6010B
Vanadium	**26.2**		mg/kg dry	0.139	12/13/07 14:42	MEM	SW 6010B
Zinc	**29.0**	QB-01, B	mg/kg dry	0.139	12/13/07 14:42	MEM	SW6010B
Benzene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Bromobenzene	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
Bromochloromethane	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: 0712079-04

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Bromodichloromethane	<29.4		ug/kg dry	29.4	12/12/07 00:42	AR	SW 8260B
Bromoform	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Bromomethane	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
n-Butylbenzene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
sec-Butylbenzene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
tert-Butylbenzene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Carbon Tetrachloride	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
Chlorobenzene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Chloroethane	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
Chloroform	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Chloromethane	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
2-Chlorotoluene	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
4-Chlorotoluene	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
Dibromochloromethane	<29.4		ug/kg dry	29.4	12/12/07 00:42	AR	SW 8260B
1,2-Dibromo-3-chloropropane	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
1,2-Dibromoethane	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
Dibromomethane	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
1,2-Dichlorobenzene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
1,3-Dichlorobenzene	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
1,4-Dichlorobenzene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Dichlorodifluoromethane	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
1,1-Dichloroethane	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
1,2-Dichloroethane	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
1,1-Dichloroethene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
cis-1,2-Dichloroethene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
trans-1,2-Dichloroethene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
1,2-Dichloropropane	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
1,3-Dichloropropane	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
2,2-Dichloropropane	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
1,1-Dichloropropene	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
cis-1,3-Dichloropropene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
trans-1,3-Dichloropropene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Ethylbenzene	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
Hexachlorobutadiene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Isopropylbenzene	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
4-Isopropyltoluene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Methyl-tert-Butyl Ether	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Methylene Chloride	<58.8		ug/kg dry	58.8	12/12/07 00:42	AR	SW 8260B
Naphthalene	<29.4		ug/kg dry	29.4	12/12/07 00:42	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-04**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
n-Propylbenzene	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
Styrene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
1,1,1,2-Tetrachloroethane	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
1,1,2,2-Tetrachloroethane	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
Tetrachloroethene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Toluene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
1,2,3-Trichlorobenzene	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
1,2,4-Trichlorobenzene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
1,1,1-Trichloroethane	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
1,1,2-Trichloroethane	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
Trichloroethene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Trichlorofluoromethane	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
1,2,3-Trichloropropane	<29.4		ug/kg dry	29.4	12/12/07 00:42	AR	SW 8260B
1,2,4-Trimethylbenzene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
1,3,5-Trimethylbenzene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B
Vinyl chloride	<29.4		ug/kg dry	29.4	12/12/07 00:42	AR	SW 8260B
m,p-Xylenes	<11.8		ug/kg dry	11.8	12/12/07 00:42	AR	SW 8260B
o-Xylene	<5.88		ug/kg dry	5.88	12/12/07 00:42	AR	SW 8260B

Extracted 12/13/07 by Soxhlet Extraction for SW 8270C.

Acenaphthene	<118		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C
Acenaphthylene	<118		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C
Anthracene	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Benzo (a) anthracene	**251**		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C
Benzo (a) pyrene	**220**		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C
Benzo (b) fluoranthene	<588		ug/kg dry	588	12/19/07 00:52	AR	SW 8270C
Benzo (g,h,i) perylene	<118		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C
Benzo (k) fluoranthene	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
4-Bromophenyl phenyl ether	<118		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C
Butyl benzyl phthalate	<588		ug/kg dry	588	12/19/07 00:52	AR	SW 8270C
4-Chloroaniline	<588		ug/kg dry	588	12/19/07 00:52	AR	SW 8270C
Bis(2-chloroethoxy)methane	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Bis(2-chloroethyl)ether	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
2-Chloronaphthalene	<118		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C
4-Chlorophenyl phenyl ether	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Chrysene	**276**		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Dibenz (a,h) anthracene	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Dibenzofuran	<588		ug/kg dry	588	12/19/07 00:52	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-04**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Di-n-butyl phthalate	**1310**	B	ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
1,2-Dichlorobenzene	<118		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C
1,4-Dichlorobenzene	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
1,3-Dichlorobenzene	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
3,3´-Dichlorobenzidine	<588		ug/kg dry	588	12/19/07 00:52	AR	SW 8270C
Diethyl phthalate	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Dimethyl phthalate	<118		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C
2,4-Dinitrotoluene	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
2,6-Dinitrotoluene	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Di-n-octyl phthalate	<588		ug/kg dry	588	12/19/07 00:52	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	**529**	B	ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Fluoranthene	**922**		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C
Fluorene	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Hexachlorobenzene	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Hexachlorobutadiene	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Hexachlorocyclopentadiene	<1180		ug/kg dry	1180	12/19/07 00:52	AR	SW 8270C
Hexachloroethane	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Isophorone	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
2-Methylnaphthalene	<118		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C
Naphthalene	<118		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C
3-Nitroaniline	<588		ug/kg dry	588	12/19/07 00:52	AR	SW 8270C
2-Nitroaniline	<588		ug/kg dry	588	12/19/07 00:52	AR	SW 8270C
4-Nitroaniline	<588		ug/kg dry	588	12/19/07 00:52	AR	SW 8270C
Nitrobenzene	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
N-Nitrosodiphenylamine	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
N-Nitrosodi-n-propylamine	<235		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Phenanthrene	**519**		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
Pyrene	**431**		ug/kg dry	235	12/19/07 00:52	AR	SW 8270C
1,2,4-Trichlorobenzene	<118		ug/kg dry	118	12/19/07 00:52	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-04**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Extracted 12/13/07 by Soxhlet Extraction for SW 8081.							
alpha-BHC	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
alpha-Chlordane	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
beta-BHC	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
Aldrin	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
gamma-BHC (Lindane)	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
gamma-Chlordane	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
Heptachlor	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
Heptachlor epoxide	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
delta-BHC	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
Endosulfan I	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Endosulfan II	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Endosulfan sulfate	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Endrin	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Endrin aldehyde	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Endrin ketone	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
4,4´-DDD	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
4,4´-DDE	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
4,4´-DDT	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Methoxychlor	<11.8		ug/kg dry	11.8	12/17/07 10:50	AR	SW 8081
Dieldrin	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Chlordane (technical)	<11.8		ug/kg dry	11.8	12/17/07 10:50	AR	SW 8081
Toxaphene	<11.8		ug/kg dry	11.8	12/17/07 10:50	AR	SW 8081
Extracted 12/13/07 by Soxhlet Extraction for SW 8082.							
Aroclor 1016	<47.1		ug/kg dry	47.1	12/17/07 10:42	AR	SW 8082
Aroclor 1221	<47.1		ug/kg dry	47.1	12/17/07 10:42	AR	SW 8082
Aroclor 1232	<47.1		ug/kg dry	47.1	12/17/07 10:42	AR	SW 8082
Aroclor 1242	<47.1		ug/kg dry	47.1	12/17/07 10:42	AR	SW 8082
Aroclor 1248	<47.1		ug/kg dry	47.1	12/17/07 10:42	AR	SW 8082
Aroclor 1254	<47.1		ug/kg dry	47.1	12/17/07 10:42	AR	SW 8082
Aroclor 1260	<47.1		ug/kg dry	47.1	12/17/07 10:42	AR	SW 8082

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004

QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QB-01 - The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

B - Analyte is found in the associated blank as well as in the sample.

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Joseph P. Shaulys

SOUTH MALL ANALYTICAL LABS, INC.™

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Website: www.SouthMallLabs.com

December 19, 2007

Analytical Results

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725

Att: Xuan Xu

Sample Description: Soil - 225-227 Boeum Street, DRAFT: SP-2 (0'-2') - 12/10/07 08:00
Sample Collected By: Hydro Tech Environmental
Purchase Order: 2554
Date Samples Received: 12/11/07 08:30
Lab ID Number: 0712079-05 Sample

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Aluminum	**7790**	QB-01, B	mg/kg dry	6630	12/17/07 12:59	MEM	SW 6010B
Antimony	**1.34**		mg/kg dry	0.497	12/13/07 14:44	MEM	SW 6010B
Arsenic	<0.277		mg/kg dry	0.277	12/13/07 14:44	MEM	SW 6010B
Barium	**81.0**		mg/kg dry	0.056	12/13/07 14:44	MEM	SW 6010B
Beryllium	**0.310**		mg/kg dry	0.056	12/13/07 14:44	MEM	SW 6010B
Cadmium	**2.67**		mg/kg dry	0.056	12/13/07 14:44	MEM	SW 6010B
Calcium	<16600	QB-01	mg/kg dry	16600	12/17/07 12:59	MEM	SW 6010B
Chromium	**18.6**		mg/kg dry	0.056	12/13/07 14:44	MEM	SW 6010B
Cobalt	**6.62**		mg/kg dry	0.056	12/13/07 14:44	MEM	SW 6010B
Copper	**30.3**		mg/kg dry	0.056	12/13/07 14:44	MEM	SW 6010B
Iron	**19800**	QB-01, B	mg/kg dry	2770	12/17/07 12:59	MEM	SW 6010B
Lead	**291**		mg/kg dry	0.830	12/13/07 14:44	MEM	SW 6010B
Manganese	**420**		mg/kg dry	0.056	12/13/07 14:44	MEM	SW 6010B
Magnesium	**4570**	QB-01, B	mg/kg dry	3870	12/17/07 12:59	MEM	SW 6010B
Nickel	**11.8**		mg/kg dry	0.110	12/13/07 14:44	MEM	SW 6010B
Potassium	**359**	QB-01, B	mg/kg dry	0.553	12/13/07 14:44	MEM	SW 6010B
Selenium	<0.553		mg/kg dry	0.553	12/13/07 14:44	MEM	SW 6010B
Silver	<0.110		mg/kg dry	0.110	12/13/07 14:44	MEM	SW 6010B
Sodium	**18.0**	QB-01, B	mg/kg dry	0.553	12/13/07 14:44	MEM	SW 6010B
Thallium	<0.277		mg/kg dry	0.277	12/13/07 14:44	MEM	SW 6010B
Vanadium	**28.4**		mg/kg dry	0.110	12/13/07 14:44	MEM	SW 6010B
Zinc	**175**	QB-01, B	mg/kg dry	0.110	12/13/07 14:44	MEM	SW6010B
Benzene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Bromobenzene	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
Bromochloromethane	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: 0712079-05

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Bromodichloromethane	<28.0		ug/kg dry	28.0	12/12/07 01:19	AR	SW 8260B
Bromoform	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Bromomethane	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
n-Butylbenzene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
sec-Butylbenzene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
tert-Butylbenzene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Carbon Tetrachloride	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
Chlorobenzene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Chloroethane	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
Chloroform	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Chloromethane	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
2-Chlorotoluene	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
4-Chlorotoluene	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
Dibromochloromethane	<28.0		ug/kg dry	28.0	12/12/07 01:19	AR	SW 8260B
1,2-Dibromo-3-chloropropane	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
1,2-Dibromoethane	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
Dibromomethane	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
1,2-Dichlorobenzene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
1,3-Dichlorobenzene	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
1,4-Dichlorobenzene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Dichlorodifluoromethane	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
1,1-Dichloroethane	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
1,2-Dichloroethane	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
1,1-Dichloroethene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
cis-1,2-Dichloroethene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
trans-1,2-Dichloroethene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
1,2-Dichloropropane	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
1,3-Dichloropropane	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
2,2-Dichloropropane	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
1,1-Dichloropropene	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
cis-1,3-Dichloropropene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
trans-1,3-Dichloropropene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Ethylbenzene	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
Hexachlorobutadiene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Isopropylbenzene	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
4-Isopropyltoluene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Methyl-tert-Butyl Ether	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Methylene Chloride	<55.9		ug/kg dry	55.9	12/12/07 01:19	AR	SW 8260B
Naphthalene	<28.0		ug/kg dry	28.0	12/12/07 01:19	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-05**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
n-Propylbenzene	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
Styrene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
1,1,1,2-Tetrachloroethane	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
1,1,2,2-Tetrachloroethane	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
Tetrachloroethene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Toluene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
1,2,3-Trichlorobenzene	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
1,2,4-Trichlorobenzene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
1,1,1-Trichloroethane	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
1,1,2-Trichloroethane	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
Trichloroethene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Trichlorofluoromethane	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
1,2,3-Trichloropropane	<28.0		ug/kg dry	28.0	12/12/07 01:19	AR	SW 8260B
1,2,4-Trimethylbenzene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
1,3,5-Trimethylbenzene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Vinyl chloride	<28.0		ug/kg dry	28.0	12/12/07 01:19	AR	SW 8260B
m,p-Xylenes	<11.2		ug/kg dry	11.2	12/12/07 01:19	AR	SW 8260B
o-Xylene	<5.59		ug/kg dry	5.59	12/12/07 01:19	AR	SW 8260B
Extracted 12/13/07 by Soxhlet Extraction for SW 8270C.							
Acenaphthene	<112		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C
Acenaphthylene	<112		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C
Anthracene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Benzo (a) anthracene	<112		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C
Benzo (a) pyrene	<112		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C
Benzo (b) fluoranthene	<559		ug/kg dry	559	12/19/07 01:41	AR	SW 8270C
Benzo (g,h,i) perylene	<112		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C
Benzo (k) fluoranthene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
4-Bromophenyl phenyl ether	<112		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C
Butyl benzyl phthalate	<559		ug/kg dry	559	12/19/07 01:41	AR	SW 8270C
4-Chloroaniline	<559		ug/kg dry	559	12/19/07 01:41	AR	SW 8270C
Bis(2-chloroethoxy)methane	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Bis(2-chloroethyl)ether	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
2-Chloronaphthalene	<112		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C
4-Chlorophenyl phenyl ether	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Chrysene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Dibenz (a,h) anthracene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Dibenzofuran	<559		ug/kg dry	559	12/19/07 01:41	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-05**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Di-n-butyl phthalate	**1020**	B	ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
1,2-Dichlorobenzene	<112		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C
1,4-Dichlorobenzene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
1,3-Dichlorobenzene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
3,3´-Dichlorobenzidine	<559		ug/kg dry	559	12/19/07 01:41	AR	SW 8270C
Diethyl phthalate	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Dimethyl phthalate	<112		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C
2,4-Dinitrotoluene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
2,6-Dinitrotoluene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Di-n-octyl phthalate	<559		ug/kg dry	559	12/19/07 01:41	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	**424**	B	ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Fluoranthene	**161**		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C
Fluorene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Hexachlorobenzene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Hexachlorobutadiene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Hexachlorocyclopentadiene	<1120		ug/kg dry	1120	12/19/07 01:41	AR	SW 8270C
Hexachloroethane	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Isophorone	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
2-Methylnaphthalene	<112		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C
Naphthalene	<112		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C
3-Nitroaniline	<559		ug/kg dry	559	12/19/07 01:41	AR	SW 8270C
2-Nitroaniline	<559		ug/kg dry	559	12/19/07 01:41	AR	SW 8270C
4-Nitroaniline	<559		ug/kg dry	559	12/19/07 01:41	AR	SW 8270C
Nitrobenzene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
N-Nitrosodiphenylamine	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
N-Nitrosodi-n-propylamine	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Phenanthrene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
Pyrene	<224		ug/kg dry	224	12/19/07 01:41	AR	SW 8270C
1,2,4-Trichlorobenzene	<112		ug/kg dry	112	12/19/07 01:41	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-05**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Extracted 12/13/07 by Soxhlet Extraction for SW 8081.							
alpha-BHC	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
alpha-Chlordane	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
beta-BHC	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
Aldrin	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
gamma-BHC (Lindane)	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
gamma-Chlordane	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
Heptachlor	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
Heptachlor epoxide	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
delta-BHC	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
Endosulfan I	<5.59		ug/kg dry	5.59	12/17/07 10:50	AR	SW 8081
Endosulfan II	<5.59		ug/kg dry	5.59	12/17/07 10:50	AR	SW 8081
Endosulfan sulfate	<5.59		ug/kg dry	5.59	12/17/07 10:50	AR	SW 8081
Endrin	<5.59		ug/kg dry	5.59	12/17/07 10:50	AR	SW 8081
Endrin aldehyde	<5.59		ug/kg dry	5.59	12/17/07 10:50	AR	SW 8081
Endrin ketone	<5.59		ug/kg dry	5.59	12/17/07 10:50	AR	SW 8081
4,4´-DDD	<5.59		ug/kg dry	5.59	12/17/07 10:50	AR	SW 8081
4,4´-DDE	<5.59		ug/kg dry	5.59	12/17/07 10:50	AR	SW 8081
4,4´-DDT	<5.59		ug/kg dry	5.59	12/17/07 10:50	AR	SW 8081
Methoxychlor	<11.2		ug/kg dry	11.2	12/17/07 10:50	AR	SW 8081
Dieldrin	<5.59		ug/kg dry	5.59	12/17/07 10:50	AR	SW 8081
Chlordane (technical)	<11.2		ug/kg dry	11.2	12/17/07 10:50	AR	SW 8081
Toxaphene	<11.2		ug/kg dry	11.2	12/17/07 10:50	AR	SW 8081
Extracted 12/13/07 by Soxhlet Extraction for SW 8082.							
Aroclor 1016	<44.7		ug/kg dry	44.7	12/17/07 10:42	AR	SW 8082
Aroclor 1221	<44.7		ug/kg dry	44.7	12/17/07 10:42	AR	SW 8082
Aroclor 1232	<44.7		ug/kg dry	44.7	12/17/07 10:42	AR	SW 8082
Aroclor 1242	<44.7		ug/kg dry	44.7	12/17/07 10:42	AR	SW 8082
Aroclor 1248	<44.7		ug/kg dry	44.7	12/17/07 10:42	AR	SW 8082
Aroclor 1254	<44.7		ug/kg dry	44.7	12/17/07 10:42	AR	SW 8082
Aroclor 1260	<44.7		ug/kg dry	44.7	12/17/07 10:42	AR	SW 8082

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004

QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QB-01 - The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

B - Analyte is found in the associated blank as well as in the sample.

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Joseph P. Shaulys

SOUTH MALL ANALYTICAL LABS, INC.™

26 NORTH MALL • PLAINVIEW, NY 11803
(516) 293-2191 • FAX (516) 293-3152
E-Mail: Info@SouthMallLabs.com
Website: www.SouthMallLabs.com

December 19, 2007

Analytical Results

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725

Att: Xuan Xu

Sample Description: Soil - 225-227 Boeum Street, DRAFT: SP-2 (6'-8') - 12/10/07 08:00
Sample Collected By: Hydro Tech Environmental
Purchase Order: 2554
Date Samples Received: 12/11/07 08:30
Lab ID Number: 0712079-06 Sample

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Aluminum	**9460**	QB-01, B	mg/kg dry	7590	12/17/07 13:03	MEM	SW 6010B
Antimony	**1.38**		mg/kg dry	0.569	12/13/07 14:47	MEM	SW 6010B
Arsenic	<0.316		mg/kg dry	0.316	12/13/07 14:47	MEM	SW 6010B
Barium	**36.4**		mg/kg dry	0.063	12/13/07 14:47	MEM	SW 6010B
Beryllium	**0.388**		mg/kg dry	0.063	12/13/07 14:47	MEM	SW 6010B
Cadmium	**2.95**		mg/kg dry	0.063	12/13/07 14:47	MEM	SW 6010B
Calcium	<19000	QB-01	mg/kg dry	19000	12/17/07 13:03	MEM	SW 6010B
Chromium	**16.1**		mg/kg dry	0.063	12/13/07 14:47	MEM	SW 6010B
Cobalt	**7.50**		mg/kg dry	0.063	12/13/07 14:47	MEM	SW 6010B
Copper	**13.1**		mg/kg dry	0.063	12/13/07 14:47	MEM	SW 6010B
Iron	**25400**	QB-01, B	mg/kg dry	3160	12/17/07 13:03	MEM	SW 6010B
Lead	**8.54**		mg/kg dry	0.949	12/13/07 14:47	MEM	SW 6010B
Magnesium	<4430	QB-01	mg/kg dry	4430	12/17/07 13:03	MEM	SW 6010B
Manganese	**463**		mg/kg dry	0.063	12/13/07 14:47	MEM	SW 6010B
Nickel	**13.1**		mg/kg dry	0.126	12/13/07 14:47	MEM	SW 6010B
Potassium	**232**	QB-01, B	mg/kg dry	0.632	12/13/07 14:47	MEM	SW 6010B
Selenium	<0.632		mg/kg dry	0.632	12/13/07 14:47	MEM	SW 6010B
Silver	<0.126		mg/kg dry	0.126	12/13/07 14:47	MEM	SW 6010B
Sodium	**8.99**	B	mg/kg dry	0.632	12/13/07 14:47	MEM	SW 6010B
Thallium	<0.316		mg/kg dry	0.316	12/13/07 14:47	MEM	SW 6010B
Vanadium	**26.1**		mg/kg dry	0.126	12/13/07 14:47	MEM	SW 6010B
Zinc	**26.7**	QB-01, B	mg/kg dry	0.126	12/13/07 14:47	MEM	SW6010B
Benzene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Bromobenzene	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
Bromochloromethane	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: 0712079-06

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Bromodichloromethane	<28.1		ug/kg dry	28.1	12/12/07 01:55	AR	SW 8260B
Bromoform	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Bromomethane	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
n-Butylbenzene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
sec-Butylbenzene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
tert-Butylbenzene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Carbon Tetrachloride	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
Chlorobenzene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Chloroethane	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
Chloroform	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Chloromethane	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
2-Chlorotoluene	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
4-Chlorotoluene	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
Dibromochloromethane	<28.1		ug/kg dry	28.1	12/12/07 01:55	AR	SW 8260B
1,2-Dibromo-3-chloropropane	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
1,2-Dibromoethane	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
Dibromomethane	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
1,2-Dichlorobenzene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
1,3-Dichlorobenzene	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
1,4-Dichlorobenzene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Dichlorodifluoromethane	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
1,1-Dichloroethane	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
1,2-Dichloroethane	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
1,1-Dichloroethene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
cis-1,2-Dichloroethene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
trans-1,2-Dichloroethene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
1,2-Dichloropropane	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
1,3-Dichloropropane	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
2,2-Dichloropropane	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
1,1-Dichloropropene	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
cis-1,3-Dichloropropene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
trans-1,3-Dichloropropene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Ethylbenzene	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
Hexachlorobutadiene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Isopropylbenzene	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
4-Isopropyltoluene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Methyl-tert-Butyl Ether	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Methylene Chloride	<56.2		ug/kg dry	56.2	12/12/07 01:55	AR	SW 8260B
Naphthalene	<28.1		ug/kg dry	28.1	12/12/07 01:55	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-06**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
n-Propylbenzene	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
Styrene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
1,1,1,2-Tetrachloroethane	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
1,1,2,2-Tetrachloroethane	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
Tetrachloroethene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Toluene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
1,2,3-Trichlorobenzene	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
1,2,4-Trichlorobenzene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
1,1,1-Trichloroethane	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
1,1,2-Trichloroethane	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
Trichloroethene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Trichlorofluoromethane	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
1,2,3-Trichloropropane	<28.1		ug/kg dry	28.1	12/12/07 01:55	AR	SW 8260B
1,2,4-Trimethylbenzene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
1,3,5-Trimethylbenzene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Vinyl chloride	<28.1		ug/kg dry	28.1	12/12/07 01:55	AR	SW 8260B
m,p-Xylenes	<11.2		ug/kg dry	11.2	12/12/07 01:55	AR	SW 8260B
o-Xylene	<5.62		ug/kg dry	5.62	12/12/07 01:55	AR	SW 8260B
Extracted 12/13/07 by Soxhlet Extraction for SW 8270C.							
Acenaphthene	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C
Acenaphthylene	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C
Anthracene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Benzo (a) anthracene	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C
Benzo (a) pyrene	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C
Benzo (b) fluoranthene	<562		ug/kg dry	562	12/19/07 02:31	AR	SW 8270C
Benzo (g,h,i) perylene	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C
Benzo (k) fluoranthene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
4-Bromophenyl phenyl ether	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C
Butyl benzyl phthalate	<562		ug/kg dry	562	12/19/07 02:31	AR	SW 8270C
4-Chloroaniline	<562		ug/kg dry	562	12/19/07 02:31	AR	SW 8270C
Bis(2-chloroethoxy)methane	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Bis(2-chloroethyl)ether	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
2-Chloronaphthalene	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C
4-Chlorophenyl phenyl ether	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Chrysene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Dibenz (a,h) anthracene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Dibenzofuran	<562		ug/kg dry	562	12/19/07 02:31	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-06**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Di-n-butyl phthalate	**988**	B	ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
1,2-Dichlorobenzene	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C
1,4-Dichlorobenzene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
1,3-Dichlorobenzene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
3,3´-Dichlorobenzidine	<562		ug/kg dry	562	12/19/07 02:31	AR	SW 8270C
Diethyl phthalate	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Dimethyl phthalate	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C
2,4-Dinitrotoluene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
2,6-Dinitrotoluene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Di-n-octyl phthalate	<562		ug/kg dry	562	12/19/07 02:31	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	**409**	B	ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Fluoranthene	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C
Fluorene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Hexachlorobenzene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Hexachlorobutadiene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Hexachlorocyclopentadiene	<1120		ug/kg dry	1120	12/19/07 02:31	AR	SW 8270C
Hexachloroethane	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Isophorone	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
2-Methylnaphthalene	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C
Naphthalene	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C
3-Nitroaniline	<562		ug/kg dry	562	12/19/07 02:31	AR	SW 8270C
2-Nitroaniline	<562		ug/kg dry	562	12/19/07 02:31	AR	SW 8270C
4-Nitroaniline	<562		ug/kg dry	562	12/19/07 02:31	AR	SW 8270C
Nitrobenzene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
N-Nitrosodiphenylamine	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
N-Nitrosodi-n-propylamine	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Phenanthrene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
Pyrene	<225		ug/kg dry	225	12/19/07 02:31	AR	SW 8270C
1,2,4-Trichlorobenzene	<112		ug/kg dry	112	12/19/07 02:31	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-06**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Extracted 12/13/07 by Soxhlet Extraction for SW 8081.							
alpha-BHC	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
alpha-Chlordane	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
beta-BHC	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
Aldrin	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
gamma-BHC (Lindane)	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
gamma-Chlordane	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
Heptachlor	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
Heptachlor epoxide	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
delta-BHC	<1.12		ug/kg dry	1.12	12/17/07 10:50	AR	SW 8081
Endosulfan I	<5.62		ug/kg dry	5.62	12/17/07 10:50	AR	SW 8081
Endosulfan II	<5.62		ug/kg dry	5.62	12/17/07 10:50	AR	SW 8081
Endosulfan sulfate	<5.62		ug/kg dry	5.62	12/17/07 10:50	AR	SW 8081
Endrin	<5.62		ug/kg dry	5.62	12/17/07 10:50	AR	SW 8081
Endrin aldehyde	<5.62		ug/kg dry	5.62	12/17/07 10:50	AR	SW 8081
Endrin ketone	<5.62		ug/kg dry	5.62	12/17/07 10:50	AR	SW 8081
4,4´-DDD	<5.62		ug/kg dry	5.62	12/17/07 10:50	AR	SW 8081
4,4´-DDE	<5.62		ug/kg dry	5.62	12/17/07 10:50	AR	SW 8081
4,4´-DDT	<5.62		ug/kg dry	5.62	12/17/07 10:50	AR	SW 8081
Methoxychlor	<11.2		ug/kg dry	11.2	12/17/07 10:50	AR	SW 8081
Dieldrin	<5.62		ug/kg dry	5.62	12/17/07 10:50	AR	SW 8081
Chlordane (technical)	<11.2		ug/kg dry	11.2	12/17/07 10:50	AR	SW 8081
Toxaphene	<11.2		ug/kg dry	11.2	12/17/07 10:50	AR	SW 8081
Extracted 12/13/07 by Soxhlet Extraction for SW 8082.							
Aroclor 1016	<45.0		ug/kg dry	45.0	12/17/07 10:42	AR	SW 8082
Aroclor 1221	<45.0		ug/kg dry	45.0	12/17/07 10:42	AR	SW 8082
Aroclor 1232	<45.0		ug/kg dry	45.0	12/17/07 10:42	AR	SW 8082
Aroclor 1242	<45.0		ug/kg dry	45.0	12/17/07 10:42	AR	SW 8082
Aroclor 1248	<45.0		ug/kg dry	45.0	12/17/07 10:42	AR	SW 8082
Aroclor 1254	<45.0		ug/kg dry	45.0	12/17/07 10:42	AR	SW 8082
Aroclor 1260	<45.0		ug/kg dry	45.0	12/17/07 10:42	AR	SW 8082

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004

QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QB-01 - The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

B - Analyte is found in the associated blank as well as in the sample.

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December 19, 2007

Analytical Results

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725

Att: Xuan Xu

Sample Description: Soil - 225-227 Boeum Street, DRAFT: SP-3 (0'-2') - 12/10/07 08:00
Sample Collected By: Hydro Tech Environmental
Purchase Order: 2554
Date Samples Received: 12/11/07 08:30
Lab ID Number: 0712079-07 Sample

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Aluminum	<6160	QB-01	mg/kg dry	6160	12/17/07 13:07	MEM	SW 6010B
Antimony	**1.01**		mg/kg dry	0.462	12/13/07 14:52	MEM	SW 6010B
Arsenic	<0.256		mg/kg dry	0.256	12/13/07 14:52	MEM	SW 6010B
Barium	**237**		mg/kg dry	0.052	12/13/07 14:52	MEM	SW 6010B
Beryllium	**0.294**		mg/kg dry	0.052	12/13/07 14:52	MEM	SW 6010B
Cadmium	**1.96**		mg/kg dry	0.052	12/13/07 14:52	MEM	SW 6010B
Calcium	<15400	QB-01	mg/kg dry	15400	12/17/07 13:07	MEM	SW 6010B
Chromium	**14.1**		mg/kg dry	0.052	12/13/07 14:52	MEM	SW 6010B
Cobalt	**6.41**		mg/kg dry	0.052	12/13/07 14:52	MEM	SW 6010B
Copper	**20.9**		mg/kg dry	0.052	12/13/07 14:52	MEM	SW 6010B
Iron	**14100**	QB-01, B	mg/kg dry	2560	12/17/07 13:07	MEM	SW 6010B
Lead	**374**		mg/kg dry	0.770	12/13/07 14:52	MEM	SW 6010B
Manganese	**216**		mg/kg dry	0.052	12/13/07 14:52	MEM	SW 6010B
Magnesium	<3600	QB-01	mg/kg dry	3600	12/17/07 13:07	MEM	SW 6010B
Nickel	**22.8**		mg/kg dry	0.102	12/13/07 14:52	MEM	SW 6010B
Potassium	**267**	QB-01, B	mg/kg dry	0.514	12/13/07 14:52	MEM	SW 6010B
Selenium	<0.514		mg/kg dry	0.514	12/13/07 14:52	MEM	SW 6010B
Silver	<0.102		mg/kg dry	0.102	12/13/07 14:52	MEM	SW 6010B
Sodium	**18.1**	QB-01, B	mg/kg dry	0.514	12/13/07 14:52	MEM	SW 6010B
Thallium	<0.256		mg/kg dry	0.256	12/13/07 14:52	MEM	SW 6010B
Vanadium	**19.7**		mg/kg dry	0.102	12/13/07 14:52	MEM	SW 6010B
Zinc	**148**	QB-01, B	mg/kg dry	0.102	12/13/07 14:52	MEM	SW6010B
Benzene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Bromobenzene	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
Bromochloromethane	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-07**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Bromodichloromethane	<29.4		ug/kg dry	29.4	12/12/07 02:32	AR	SW 8260B
Bromoform	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Bromomethane	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
n-Butylbenzene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
sec-Butylbenzene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
tert-Butylbenzene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Carbon Tetrachloride	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
Chlorobenzene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Chloroethane	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
Chloroform	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Chloromethane	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
2-Chlorotoluene	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
4-Chlorotoluene	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
Dibromochloromethane	<29.4		ug/kg dry	29.4	12/12/07 02:32	AR	SW 8260B
1,2-Dibromo-3-chloropropane	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
1,2-Dibromoethane	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
Dibromomethane	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
1,2-Dichlorobenzene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
1,3-Dichlorobenzene	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
1,4-Dichlorobenzene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Dichlorodifluoromethane	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
1,1-Dichloroethane	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
1,2-Dichloroethane	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
1,1-Dichloroethene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
cis-1,2-Dichloroethene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
trans-1,2-Dichloroethene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
1,2-Dichloropropane	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
1,3-Dichloropropane	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
2,2-Dichloropropane	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
1,1-Dichloropropene	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
cis-1,3-Dichloropropene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
trans-1,3-Dichloropropene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Ethylbenzene	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
Hexachlorobutadiene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Isopropylbenzene	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
4-Isopropyltoluene	**25.3**		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Methyl-tert-Butyl Ether	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Methylene Chloride	<58.8		ug/kg dry	58.8	12/12/07 02:32	AR	SW 8260B
Naphthalene	<29.4		ug/kg dry	29.4	12/12/07 02:32	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-07**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
n-Propylbenzene	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
Styrene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
1,1,1,2-Tetrachloroethane	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
1,1,2,2-Tetrachloroethane	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
Tetrachloroethene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Toluene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
1,2,3-Trichlorobenzene	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
1,2,4-Trichlorobenzene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
1,1,1-Trichloroethane	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
1,1,2-Trichloroethane	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
Trichloroethene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Trichlorofluoromethane	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
1,2,3-Trichloropropane	<29.4		ug/kg dry	29.4	12/12/07 02:32	AR	SW 8260B
1,2,4-Trimethylbenzene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
1,3,5-Trimethylbenzene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Vinyl chloride	<29.4		ug/kg dry	29.4	12/12/07 02:32	AR	SW 8260B
m,p-Xylenes	<11.8		ug/kg dry	11.8	12/12/07 02:32	AR	SW 8260B
o-Xylene	<5.88		ug/kg dry	5.88	12/12/07 02:32	AR	SW 8260B
Extracted 12/13/07 by Soxhlet Extraction for SW 8270C.							
Acenaphthene	<118		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C
Acenaphthylene	**136**		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C
Anthracene	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Benzo (a) anthracene	**542**		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C
Benzo (a) pyrene	**518**		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C
Benzo (b) fluoranthene	<588		ug/kg dry	588	12/19/07 03:20	AR	SW 8270C
Benzo (g,h,i) perylene	**506**		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C
Benzo (k) fluoranthene	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
4-Bromophenyl phenyl ether	<118		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C
Butyl benzyl phthalate	<588		ug/kg dry	588	12/19/07 03:20	AR	SW 8270C
4-Chloroaniline	<588		ug/kg dry	588	12/19/07 03:20	AR	SW 8270C
Bis(2-chloroethoxy)methane	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Bis(2-chloroethyl)ether	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
2-Chloronaphthalene	<118		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C
4-Chlorophenyl phenyl ether	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Chrysene	**568**		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Dibenz (a,h) anthracene	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Dibenzofuran	<588		ug/kg dry	588	12/19/07 03:20	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-07**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Di-n-butyl phthalate	**1010**	B	ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
1,2-Dichlorobenzene	<118		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C
1,4-Dichlorobenzene	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
1,3-Dichlorobenzene	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
3,3´-Dichlorobenzidine	<588		ug/kg dry	588	12/19/07 03:20	AR	SW 8270C
Diethyl phthalate	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Dimethyl phthalate	<118		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C
2,4-Dinitrotoluene	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
2,6-Dinitrotoluene	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Di-n-octyl phthalate	<588		ug/kg dry	588	12/19/07 03:20	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	**482**	B	ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Fluoranthene	**1260**		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C
Fluorene	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Hexachlorobenzene	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Hexachlorobutadiene	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Hexachlorocyclopentadiene	<1180		ug/kg dry	1180	12/19/07 03:20	AR	SW 8270C
Hexachloroethane	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	**445**		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Isophorone	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
2-Methylnaphthalene	<118		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C
Naphthalene	<118		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C
3-Nitroaniline	<588		ug/kg dry	588	12/19/07 03:20	AR	SW 8270C
2-Nitroaniline	<588		ug/kg dry	588	12/19/07 03:20	AR	SW 8270C
4-Nitroaniline	<588		ug/kg dry	588	12/19/07 03:20	AR	SW 8270C
Nitrobenzene	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
N-Nitrosodiphenylamine	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
N-Nitrosodi-n-propylamine	<235		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Phenanthrene	**492**		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
Pyrene	**749**		ug/kg dry	235	12/19/07 03:20	AR	SW 8270C
1,2,4-Trichlorobenzene	<118		ug/kg dry	118	12/19/07 03:20	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-07**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Extracted 12/13/07 by Soxhlet Extraction for SW 8081.							
alpha-BHC	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
alpha-Chlordane	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
beta-BHC	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
Aldrin	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
gamma-BHC (Lindane)	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
gamma-Chlordane	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
Heptachlor	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
Heptachlor epoxide	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
delta-BHC	<1.18		ug/kg dry	1.18	12/17/07 10:50	AR	SW 8081
Endosulfan I	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Endosulfan II	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Endosulfan sulfate	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Endrin	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Endrin aldehyde	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Endrin ketone	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
4,4´-DDD	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
4,4´-DDE	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
4,4´-DDT	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Methoxychlor	<11.8		ug/kg dry	11.8	12/17/07 10:50	AR	SW 8081
Dieldrin	<5.88		ug/kg dry	5.88	12/17/07 10:50	AR	SW 8081
Chlordane (technical)	<11.8		ug/kg dry	11.8	12/17/07 10:50	AR	SW 8081
Toxaphene	<11.8		ug/kg dry	11.8	12/17/07 10:50	AR	SW 8081
Extracted 12/13/07 by Soxhlet Extraction for SW 8082.							
Aroclor 1016	<47.0		ug/kg dry	47.0	12/17/07 10:42	AR	SW 8082
Aroclor 1221	<47.0		ug/kg dry	47.0	12/17/07 10:42	AR	SW 8082
Aroclor 1232	<47.0		ug/kg dry	47.0	12/17/07 10:42	AR	SW 8082
Aroclor 1242	<47.0		ug/kg dry	47.0	12/17/07 10:42	AR	SW 8082
Aroclor 1248	<47.0		ug/kg dry	47.0	12/17/07 10:42	AR	SW 8082
Aroclor 1254	<47.0		ug/kg dry	47.0	12/17/07 10:42	AR	SW 8082
Aroclor 1260	<47.0		ug/kg dry	47.0	12/17/07 10:42	AR	SW 8082

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004

QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QB-01 - The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

B - Analyte is found in the associated blank as well as in the sample.

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Joseph P. Shaulys

SOUTH MALL ANALYTICAL LABS, INC.™

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December 19, 2007

Analytical Results

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725

Att: Xuan Xu

Sample Description: Soil - 225-227 Boeum Street, DRAFT: SP-3 (6'-8') - 12/10/07 08:00
Sample Collected By: Hydro Tech Environmental
Purchase Order: 2554
Date Samples Received: 12/11/07 08:30
Lab ID Number: 0712079-08 Sample

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Aluminum	<8950	QB-01	mg/kg dry	8950	12/17/07 13:12	MEM	SW 6010B
Antimony	**1.15**		mg/kg dry	0.670	12/13/07 14:54	MEM	SW 6010B
Arsenic	<0.372		mg/kg dry	0.372	12/13/07 14:54	MEM	SW 6010B
Barium	**249**		mg/kg dry	0.074	12/13/07 14:54	MEM	SW 6010B
Beryllium	**0.317**		mg/kg dry	0.074	12/13/07 14:54	MEM	SW 6010B
Cadmium	**2.56**		mg/kg dry	0.074	12/13/07 14:54	MEM	SW 6010B
Calcium	<22300	QB-01	mg/kg dry	22300	12/17/07 13:12	MEM	SW 6010B
Chromium	**15.2**		mg/kg dry	0.074	12/13/07 14:54	MEM	SW 6010B
Cobalt	**6.42**		mg/kg dry	0.074	12/13/07 14:54	MEM	SW 6010B
Copper	**16.2**		mg/kg dry	0.074	12/13/07 14:54	MEM	SW 6010B
Iron	**19400**	QB-01, B	mg/kg dry	3720	12/17/07 13:12	MEM	SW 6010B
Lead	**421**		mg/kg dry	1.12	12/13/07 14:54	MEM	SW 6010B
Manganese	**229**		mg/kg dry	0.074	12/13/07 14:54	MEM	SW 6010B
Magnesium	<5210	QB-01	mg/kg dry	5210	12/17/07 13:12	MEM	SW 6010B
Nickel	**10.5**		mg/kg dry	0.149	12/13/07 14:54	MEM	SW 6010B
Potassium	**551**	QB-01, B	mg/kg dry	0.746	12/13/07 14:54	MEM	SW 6010B
Selenium	<0.746		mg/kg dry	0.746	12/13/07 14:54	MEM	SW 6010B
Silver	<0.149		mg/kg dry	0.149	12/13/07 14:54	MEM	SW 6010B
Sodium	**84.5**	QB-01, B	mg/kg dry	0.746	12/13/07 14:54	MEM	SW 6010B
Thallium	<0.372		mg/kg dry	0.372	12/13/07 14:54	MEM	SW 6010B
Vanadium	**25.3**		mg/kg dry	0.149	12/13/07 14:54	MEM	SW 6010B
Zinc	**160**	QB-01, B	mg/kg dry	0.149	12/13/07 14:54	MEM	SW6010B
Benzene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Bromobenzene	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
Bromochloromethane	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: 0712079-08

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Bromodichloromethane	<30.5		ug/kg dry	30.5	12/12/07 03:08	AR	SW 8260B
Bromoform	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Bromomethane	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
n-Butylbenzene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
sec-Butylbenzene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
tert-Butylbenzene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Carbon Tetrachloride	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
Chlorobenzene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Chloroethane	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
Chloroform	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Chloromethane	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
2-Chlorotoluene	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
4-Chlorotoluene	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
Dibromochloromethane	<30.5		ug/kg dry	30.5	12/12/07 03:08	AR	SW 8260B
1,2-Dibromo-3-chloropropane	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
1,2-Dibromoethane	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
Dibromomethane	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
1,2-Dichlorobenzene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
1,3-Dichlorobenzene	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
1,4-Dichlorobenzene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Dichlorodifluoromethane	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
1,1-Dichloroethane	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
1,2-Dichloroethane	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
1,1-Dichloroethene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
cis-1,2-Dichloroethene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
trans-1,2-Dichloroethene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
1,2-Dichloropropane	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
1,3-Dichloropropane	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
2,2-Dichloropropane	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
1,1-Dichloropropene	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
cis-1,3-Dichloropropene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
trans-1,3-Dichloropropene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Ethylbenzene	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
Hexachlorobutadiene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Isopropylbenzene	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
4-Isopropyltoluene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Methyl-tert-Butyl Ether	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Methylene Chloride	<61.1		ug/kg dry	61.1	12/12/07 03:08	AR	SW 8260B
Naphthalene	<30.5		ug/kg dry	30.5	12/12/07 03:08	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-08**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
n-Propylbenzene	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
Styrene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
1,1,1,2-Tetrachloroethane	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
1,1,2,2-Tetrachloroethane	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
Tetrachloroethene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Toluene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
1,2,3-Trichlorobenzene	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
1,2,4-Trichlorobenzene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
1,1,1-Trichloroethane	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
1,1,2-Trichloroethane	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
Trichloroethene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Trichlorofluoromethane	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
1,2,3-Trichloropropane	<30.5		ug/kg dry	30.5	12/12/07 03:08	AR	SW 8260B
1,2,4-Trimethylbenzene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
1,3,5-Trimethylbenzene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Vinyl chloride	<30.5		ug/kg dry	30.5	12/12/07 03:08	AR	SW 8260B
m,p-Xylenes	<12.2		ug/kg dry	12.2	12/12/07 03:08	AR	SW 8260B
o-Xylene	<6.11		ug/kg dry	6.11	12/12/07 03:08	AR	SW 8260B
Extracted 12/13/07 by Soxhlet Extraction for SW 8270C.							
Acenaphthene	<122		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C
Acenaphthylene	<122		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C
Anthracene	**310**		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Benzo (a) anthracene	**1080**		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C
Benzo (a) pyrene	**845**		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C
Benzo (b) fluoranthene	**1170**		ug/kg dry	611	12/19/07 04:10	AR	SW 8270C
Benzo (g,h,i) perylene	**747**		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C
Benzo (k) fluoranthene	**333**		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
4-Bromophenyl phenyl ether	<122		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C
Butyl benzyl phthalate	<611		ug/kg dry	611	12/19/07 04:10	AR	SW 8270C
4-Chloroaniline	<611		ug/kg dry	611	12/19/07 04:10	AR	SW 8270C
Bis(2-chloroethoxy)methane	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Bis(2-chloroethyl)ether	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
2-Chloronaphthalene	<122		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C
4-Chlorophenyl phenyl ether	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Chrysene	**1090**		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Dibenz (a,h) anthracene	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Dibenzofuran	<611		ug/kg dry	611	12/19/07 04:10	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-08**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Di-n-butyl phthalate	**1120**	B	ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
1,2-Dichlorobenzene	<122		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C
1,4-Dichlorobenzene	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
1,3-Dichlorobenzene	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
3,3´-Dichlorobenzidine	<611		ug/kg dry	611	12/19/07 04:10	AR	SW 8270C
Diethyl phthalate	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Dimethyl phthalate	<122		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C
2,4-Dinitrotoluene	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
2,6-Dinitrotoluene	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Di-n-octyl phthalate	<611		ug/kg dry	611	12/19/07 04:10	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	**502**	B	ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Fluoranthene	**2980**		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C
Fluorene	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Hexachlorobenzene	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Hexachlorobutadiene	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Hexachlorocyclopentadiene	<1220		ug/kg dry	1220	12/19/07 04:10	AR	SW 8270C
Hexachloroethane	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	**684**		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Isophorone	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
2-Methylnaphthalene	<122		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C
Naphthalene	<122		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C
3-Nitroaniline	<611		ug/kg dry	611	12/19/07 04:10	AR	SW 8270C
2-Nitroaniline	<611		ug/kg dry	611	12/19/07 04:10	AR	SW 8270C
4-Nitroaniline	<611		ug/kg dry	611	12/19/07 04:10	AR	SW 8270C
Nitrobenzene	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
N-Nitrosodiphenylamine	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
N-Nitrosodi-n-propylamine	<244		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Phenanthrene	**1330**		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
Pyrene	**1640**		ug/kg dry	244	12/19/07 04:10	AR	SW 8270C
1,2,4-Trichlorobenzene	<122		ug/kg dry	122	12/19/07 04:10	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-08**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Extracted 12/13/07 by Soxhlet Extraction for SW 8081.							
alpha-BHC	<1.22		ug/kg dry	1.22	12/17/07 10:50	AR	SW 8081
alpha-Chlordane	<1.22		ug/kg dry	1.22	12/17/07 10:50	AR	SW 8081
beta-BHC	<1.22		ug/kg dry	1.22	12/17/07 10:50	AR	SW 8081
Aldrin	<1.22		ug/kg dry	1.22	12/17/07 10:50	AR	SW 8081
gamma-BHC (Lindane)	<1.22		ug/kg dry	1.22	12/17/07 10:50	AR	SW 8081
gamma-Chlordane	<1.22		ug/kg dry	1.22	12/17/07 10:50	AR	SW 8081
Heptachlor	<1.22		ug/kg dry	1.22	12/17/07 10:50	AR	SW 8081
Heptachlor epoxide	<1.22		ug/kg dry	1.22	12/17/07 10:50	AR	SW 8081
delta-BHC	<1.22		ug/kg dry	1.22	12/17/07 10:50	AR	SW 8081
Endosulfan I	<6.11		ug/kg dry	6.11	12/17/07 10:50	AR	SW 8081
Endosulfan II	<6.11		ug/kg dry	6.11	12/17/07 10:50	AR	SW 8081
Endosulfan sulfate	<6.11		ug/kg dry	6.11	12/17/07 10:50	AR	SW 8081
Endrin	<6.11		ug/kg dry	6.11	12/17/07 10:50	AR	SW 8081
Endrin aldehyde	<6.11		ug/kg dry	6.11	12/17/07 10:50	AR	SW 8081
Endrin ketone	<6.11		ug/kg dry	6.11	12/17/07 10:50	AR	SW 8081
4,4´-DDD	<6.11		ug/kg dry	6.11	12/17/07 10:50	AR	SW 8081
4,4´-DDE	<6.11		ug/kg dry	6.11	12/17/07 10:50	AR	SW 8081
4,4´-DDT	**45.4**		ug/kg dry	6.11	12/17/07 10:50	AR	SW 8081
Methoxychlor	<12.2		ug/kg dry	12.2	12/17/07 10:50	AR	SW 8081
Dieldrin	<6.11		ug/kg dry	6.11	12/17/07 10:50	AR	SW 8081
Chlordane (technical)	<12.2		ug/kg dry	12.2	12/17/07 10:50	AR	SW 8081
Toxaphene	<12.2		ug/kg dry	12.2	12/17/07 10:50	AR	SW 8081
Extracted 12/13/07 by Soxhlet Extraction for SW 8082.							
Aroclor 1016	<48.8		ug/kg dry	48.8	12/17/07 10:42	AR	SW 8082
Aroclor 1221	<48.8		ug/kg dry	48.8	12/17/07 10:42	AR	SW 8082
Aroclor 1232	<48.8		ug/kg dry	48.8	12/17/07 10:42	AR	SW 8082
Aroclor 1242	<48.8		ug/kg dry	48.8	12/17/07 10:42	AR	SW 8082
Aroclor 1248	<48.8		ug/kg dry	48.8	12/17/07 10:42	AR	SW 8082
Aroclor 1254	<48.8		ug/kg dry	48.8	12/17/07 10:42	AR	SW 8082
Aroclor 1260	<48.8		ug/kg dry	48.8	12/17/07 10:42	AR	SW 8082

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004

QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QB-01 - The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

B - Analyte is found in the associated blank as well as in the sample.

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Joseph P. Shaulys

SOUTH MALL ANALYTICAL LABS, INC.™

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Website: www.SouthMallLabs.com

December 19, 2007

Analytical Results

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725

Att: Xuan Xu

Sample Description: Soil - 225-227 Boeum Street, DRAFT: SP-4 (0'-2') - 12/10/07 08:00
Sample Collected By: Hydro Tech Environmental
Purchase Order: 2554
Date Samples Received: 12/11/07 08:30
Lab ID Number: 0712079-09 Sample

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Aluminum	**8160**	QB-01, B	mg/kg dry	6080	12/17/07 13:15	MEM	SW 6010B
Antimony	**1.71**		mg/kg dry	0.456	12/13/07 14:57	MEM	SW 6010B
Arsenic	**0.408**		mg/kg dry	0.254	12/13/07 14:57	MEM	SW 6010B
Barium	**454**		mg/kg dry	0.050	12/13/07 14:57	MEM	SW 6010B
Beryllium	**0.383**		mg/kg dry	0.050	12/13/07 14:57	MEM	SW 6010B
Cadmium	**3.24**		mg/kg dry	0.050	12/13/07 14:57	MEM	SW 6010B
Calcium	**22900**	QB-01, B	mg/kg dry	15200	12/17/07 13:15	MEM	SW 6010B
Chromium	**20.8**		mg/kg dry	0.050	12/13/07 14:57	MEM	SW 6010B
Cobalt	**7.68**		mg/kg dry	0.050	12/13/07 14:57	MEM	SW 6010B
Copper	**40.8**		mg/kg dry	0.050	12/13/07 14:57	MEM	SW 6010B
Iron	**22200**	QB-01, B	mg/kg dry	2540	12/17/07 13:15	MEM	SW 6010B
Lead	<7600		mg/kg dry	7600	12/17/07 13:15	MEM	SW 6010B
Manganese	**298**		mg/kg dry	0.050	12/13/07 14:57	MEM	SW 6010B
Magnesium	<3540	QB-01	mg/kg dry	3540	12/17/07 13:15	MEM	SW 6010B
Nickel	**14.1**		mg/kg dry	0.102	12/13/07 14:57	MEM	SW 6010B
Potassium	**280**	QB-01, B	mg/kg dry	0.507	12/13/07 14:57	MEM	SW 6010B
Selenium	<0.507		mg/kg dry	0.507	12/13/07 14:57	MEM	SW 6010B
Silver	<0.102		mg/kg dry	0.102	12/13/07 14:57	MEM	SW 6010B
Sodium	**38.9**	QB-01, B	mg/kg dry	0.507	12/13/07 14:57	MEM	SW 6010B
Thallium	<0.254		mg/kg dry	0.254	12/13/07 14:57	MEM	SW 6010B
Vanadium	**31.8**		mg/kg dry	0.102	12/13/07 14:57	MEM	SW 6010B
Zinc	**241**	QB-01, B	mg/kg dry	0.102	12/13/07 14:57	MEM	SW6010B
Benzene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Bromobenzene	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
Bromochloromethane	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: 0712079-09

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Bromodichloromethane	<29.0		ug/kg dry	29.0	12/12/07 03:44	AR	SW 8260B
Bromoform	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Bromomethane	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
n-Butylbenzene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
sec-Butylbenzene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
tert-Butylbenzene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Carbon Tetrachloride	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
Chlorobenzene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Chloroethane	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
Chloroform	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Chloromethane	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
2-Chlorotoluene	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
4-Chlorotoluene	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
Dibromochloromethane	<29.0		ug/kg dry	29.0	12/12/07 03:44	AR	SW 8260B
1,2-Dibromo-3-chloropropane	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
1,2-Dibromoethane	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
Dibromomethane	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
1,2-Dichlorobenzene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
1,3-Dichlorobenzene	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
1,4-Dichlorobenzene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Dichlorodifluoromethane	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
1,1-Dichloroethane	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
1,2-Dichloroethane	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
1,1-Dichloroethene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
cis-1,2-Dichloroethene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
trans-1,2-Dichloroethene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
1,2-Dichloropropane	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
1,3-Dichloropropane	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
2,2-Dichloropropane	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
1,1-Dichloropropene	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
cis-1,3-Dichloropropene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
trans-1,3-Dichloropropene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Ethylbenzene	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
Hexachlorobutadiene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Isopropylbenzene	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
4-Isopropyltoluene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Methyl-tert-Butyl Ether	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Methylene Chloride	<58.1		ug/kg dry	58.1	12/12/07 03:44	AR	SW 8260B
Naphthalene	<29.0		ug/kg dry	29.0	12/12/07 03:44	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-09**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
n-Propylbenzene	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
Styrene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
1,1,1,2-Tetrachloroethane	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
1,1,2,2-Tetrachloroethane	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
Tetrachloroethene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Toluene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
1,2,3-Trichlorobenzene	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
1,2,4-Trichlorobenzene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
1,1,1-Trichloroethane	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
1,1,2-Trichloroethane	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
Trichloroethene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Trichlorofluoromethane	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
1,2,3-Trichloropropane	<29.0		ug/kg dry	29.0	12/12/07 03:44	AR	SW 8260B
1,2,4-Trimethylbenzene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
1,3,5-Trimethylbenzene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Vinyl chloride	<29.0		ug/kg dry	29.0	12/12/07 03:44	AR	SW 8260B
m,p-Xylenes	<11.6		ug/kg dry	11.6	12/12/07 03:44	AR	SW 8260B
o-Xylene	<5.81		ug/kg dry	5.81	12/12/07 03:44	AR	SW 8260B
Extracted 12/13/07 by Soxhlet Extraction for SW 8270C.							
Acenaphthene	<116		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C
Acenaphthylene	**727**		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C
Anthracene	**307**		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Benzo (a) anthracene	**771**		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C
Benzo (a) pyrene	**1140**		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C
Benzo (b) fluoranthene	**1070**		ug/kg dry	581	12/19/07 05:00	AR	SW 8270C
Benzo (g,h,i) perylene	**1220**		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C
Benzo (k) fluoranthene	**531**		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
4-Bromophenyl phenyl ether	<116		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C
Butyl benzyl phthalate	<581		ug/kg dry	581	12/19/07 05:00	AR	SW 8270C
4-Chloroaniline	<581		ug/kg dry	581	12/19/07 05:00	AR	SW 8270C
Bis(2-chloroethoxy)methane	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Bis(2-chloroethyl)ether	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
2-Chloronaphthalene	<116		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C
4-Chlorophenyl phenyl ether	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Chrysene	**786**		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Dibenz (a,h) anthracene	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Dibenzofuran	<581		ug/kg dry	581	12/19/07 05:00	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-09**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Di-n-butyl phthalate	**555**	B	ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
1,2-Dichlorobenzene	<116		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C
1,4-Dichlorobenzene	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
1,3-Dichlorobenzene	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
3,3´-Dichlorobenzidine	<581		ug/kg dry	581	12/19/07 05:00	AR	SW 8270C
Diethyl phthalate	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Dimethyl phthalate	<116		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C
2,4-Dinitrotoluene	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
2,6-Dinitrotoluene	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Di-n-octyl phthalate	<581		ug/kg dry	581	12/19/07 05:00	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	**374**	B	ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Fluoranthene	**1090**		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C
Fluorene	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Hexachlorobenzene	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Hexachlorobutadiene	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Hexachlorocyclopentadiene	<1160		ug/kg dry	1160	12/19/07 05:00	AR	SW 8270C
Hexachloroethane	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	**977**		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Isophorone	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
2-Methylnaphthalene	<116		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C
Naphthalene	**188**		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C
3-Nitroaniline	<581		ug/kg dry	581	12/19/07 05:00	AR	SW 8270C
2-Nitroaniline	<581		ug/kg dry	581	12/19/07 05:00	AR	SW 8270C
4-Nitroaniline	<581		ug/kg dry	581	12/19/07 05:00	AR	SW 8270C
Nitrobenzene	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
N-Nitrosodiphenylamine	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
N-Nitrosodi-n-propylamine	<232		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Phenanthrene	**481**		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
Pyrene	**807**		ug/kg dry	232	12/19/07 05:00	AR	SW 8270C
1,2,4-Trichlorobenzene	<116		ug/kg dry	116	12/19/07 05:00	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-09**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Extracted 12/13/07 by Soxhlet Extraction for SW 8081.							
alpha-BHC	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
alpha-Chlordane	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
beta-BHC	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
Aldrin	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
gamma-BHC (Lindane)	**13.2**		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
gamma-Chlordane	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
Heptachlor	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
Heptachlor epoxide	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
delta-BHC	<1.16		ug/kg dry	1.16	12/17/07 10:50	AR	SW 8081
Endosulfan I	<5.81		ug/kg dry	5.81	12/17/07 10:50	AR	SW 8081
Endosulfan II	<5.81		ug/kg dry	5.81	12/17/07 10:50	AR	SW 8081
Endosulfan sulfate	<5.81		ug/kg dry	5.81	12/17/07 10:50	AR	SW 8081
Endrin	<5.81		ug/kg dry	5.81	12/17/07 10:50	AR	SW 8081
Endrin aldehyde	<5.81		ug/kg dry	5.81	12/17/07 10:50	AR	SW 8081
Endrin ketone	<5.81		ug/kg dry	5.81	12/17/07 10:50	AR	SW 8081
4,4´-DDD	<5.81		ug/kg dry	5.81	12/17/07 10:50	AR	SW 8081
4,4´-DDE	<5.81		ug/kg dry	5.81	12/17/07 10:50	AR	SW 8081
4,4´-DDT	**52.5**		ug/kg dry	5.81	12/17/07 10:50	AR	SW 8081
Methoxychlor	<11.6		ug/kg dry	11.6	12/17/07 10:50	AR	SW 8081
Dieldrin	<5.81		ug/kg dry	5.81	12/17/07 10:50	AR	SW 8081
Chlordane (technical)	<11.6		ug/kg dry	11.6	12/17/07 10:50	AR	SW 8081
Toxaphene	<11.6		ug/kg dry	11.6	12/17/07 10:50	AR	SW 8081
Extracted 12/13/07 by Soxhlet Extraction for SW 8082.							
Aroclor 1016	<46.5		ug/kg dry	46.5	12/17/07 10:42	AR	SW 8082
Aroclor 1221	<46.5		ug/kg dry	46.5	12/17/07 10:42	AR	SW 8082
Aroclor 1232	<46.5		ug/kg dry	46.5	12/17/07 10:42	AR	SW 8082
Aroclor 1242	<46.5		ug/kg dry	46.5	12/17/07 10:42	AR	SW 8082
Aroclor 1248	<46.5		ug/kg dry	46.5	12/17/07 10:42	AR	SW 8082
Aroclor 1254	<46.5		ug/kg dry	46.5	12/17/07 10:42	AR	SW 8082
Aroclor 1260	<46.5		ug/kg dry	46.5	12/17/07 10:42	AR	SW 8082

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004

QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QB-01 - The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

B - Analyte is found in the associated blank as well as in the sample.

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Joseph P. Shaulys

SOUTH MALL ANALYTICAL LABS, INC.™

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December 19, 2007

Analytical Results

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725

Att: Xuan Xu

Sample Description: Soil - 225-227 Boeum Street, DRAFT: SP-4 (6'-8') - 12/10/07 08:00
Sample Collected By: Hydro Tech Environmental
Purchase Order: 2554
Date Samples Received: 12/11/07 08:30
Lab ID Number: 0712079-10 Sample

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Aluminum	**9220**	QB-01, B	mg/kg dry	6870	12/17/07 13:17	MEM	SW 6010B
Antimony	**2.38**		mg/kg dry	0.514	12/13/07 15:00	MEM	SW 6010B
Arsenic	<0.286		mg/kg dry	0.286	12/13/07 15:00	MEM	SW 6010B
Barium	**50.8**		mg/kg dry	0.057	12/13/07 15:00	MEM	SW 6010B
Beryllium	**0.547**		mg/kg dry	0.057	12/13/07 15:00	MEM	SW 6010B
Cadmium	**3.65**		mg/kg dry	0.057	12/13/07 15:00	MEM	SW 6010B
Calcium	<17100	QB-01	mg/kg dry	17100	12/17/07 13:17	MEM	SW 6010B
Chromium	**28.0**		mg/kg dry	0.057	12/13/07 15:00	MEM	SW 6010B
Cobalt	**7.42**		mg/kg dry	0.057	12/13/07 15:00	MEM	SW 6010B
Copper	**22.8**		mg/kg dry	0.057	12/13/07 15:00	MEM	SW 6010B
Iron	**31200**	QB-01, B	mg/kg dry	2860	12/17/07 13:17	MEM	SW 6010B
Lead	**13.5**		mg/kg dry	0.858	12/13/07 15:00	MEM	SW 6010B
Manganese	**369**		mg/kg dry	0.057	12/13/07 15:00	MEM	SW 6010B
Magnesium	<4000	QB-01	mg/kg dry	4000	12/17/07 13:17	MEM	SW 6010B
Nickel	**12.1**		mg/kg dry	0.114	12/13/07 15:00	MEM	SW 6010B
Potassium	**381**	QB-01, B	mg/kg dry	0.572	12/13/07 15:00	MEM	SW 6010B
Selenium	<0.572		mg/kg dry	0.572	12/13/07 15:00	MEM	SW 6010B
Silver	<0.114		mg/kg dry	0.114	12/13/07 15:00	MEM	SW 6010B
Sodium	**17.5**	QB-01, B	mg/kg dry	0.572	12/13/07 15:00	MEM	SW 6010B
Thallium	<0.286		mg/kg dry	0.286	12/13/07 15:00	MEM	SW 6010B
Vanadium	**39.5**		mg/kg dry	0.114	12/13/07 15:00	MEM	SW 6010B
Zinc	**29.1**	QB-01, B	mg/kg dry	0.114	12/13/07 15:00	MEM	SW6010B
Benzene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Bromobenzene	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
Bromochloromethane	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: 0712079-10

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Bromodichloromethane	<26.7		ug/kg dry	26.7	12/12/07 04:21	AR	SW 8260B
Bromoform	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Bromomethane	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
n-Butylbenzene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
sec-Butylbenzene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
tert-Butylbenzene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Carbon Tetrachloride	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
Chlorobenzene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Chloroethane	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
Chloroform	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Chloromethane	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
2-Chlorotoluene	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
4-Chlorotoluene	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
Dibromochloromethane	<26.7		ug/kg dry	26.7	12/12/07 04:21	AR	SW 8260B
1,2-Dibromo-3-chloropropane	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
1,2-Dibromoethane	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
Dibromomethane	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
1,2-Dichlorobenzene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
1,3-Dichlorobenzene	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
1,4-Dichlorobenzene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Dichlorodifluoromethane	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
1,1-Dichloroethane	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
1,2-Dichloroethane	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
1,1-Dichloroethene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
cis-1,2-Dichloroethene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
trans-1,2-Dichloroethene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
1,2-Dichloropropane	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
1,3-Dichloropropane	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
2,2-Dichloropropane	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
1,1-Dichloropropene	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
cis-1,3-Dichloropropene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
trans-1,3-Dichloropropene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Ethylbenzene	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
Hexachlorobutadiene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Isopropylbenzene	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
4-Isopropyltoluene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Methyl-tert-Butyl Ether	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Methylene Chloride	<53.5		ug/kg dry	53.5	12/12/07 04:21	AR	SW 8260B
Naphthalene	<26.7		ug/kg dry	26.7	12/12/07 04:21	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-10**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
n-Propylbenzene	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
Styrene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
1,1,1,2-Tetrachloroethane	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
1,1,2,2-Tetrachloroethane	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
Tetrachloroethene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Toluene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
1,2,3-Trichlorobenzene	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
1,2,4-Trichlorobenzene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
1,1,1-Trichloroethane	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
1,1,2-Trichloroethane	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
Trichloroethene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Trichlorofluoromethane	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
1,2,3-Trichloropropane	<26.7		ug/kg dry	26.7	12/12/07 04:21	AR	SW 8260B
1,2,4-Trimethylbenzene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
1,3,5-Trimethylbenzene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Vinyl chloride	<26.7		ug/kg dry	26.7	12/12/07 04:21	AR	SW 8260B
m,p-Xylenes	<10.7		ug/kg dry	10.7	12/12/07 04:21	AR	SW 8260B
o-Xylene	<5.35		ug/kg dry	5.35	12/12/07 04:21	AR	SW 8260B
Extracted 12/13/07 by Soxhlet Extraction for SW 8270C.							
Acenaphthene	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C
Acenaphthylene	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C
Anthracene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Benzo (a) anthracene	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C
Benzo (a) pyrene	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C
Benzo (b) fluoranthene	<535		ug/kg dry	535	12/19/07 05:49	AR	SW 8270C
Benzo (g,h,i) perylene	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C
Benzo (k) fluoranthene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
4-Bromophenyl phenyl ether	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C
Butyl benzyl phthalate	<535		ug/kg dry	535	12/19/07 05:49	AR	SW 8270C
4-Chloroaniline	<535		ug/kg dry	535	12/19/07 05:49	AR	SW 8270C
Bis(2-chloroethoxy)methane	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Bis(2-chloroethyl)ether	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
2-Chloronaphthalene	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C
4-Chlorophenyl phenyl ether	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Chrysene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Dibenz (a,h) anthracene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Dibenzofuran	<535		ug/kg dry	535	12/19/07 05:49	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-10**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Di-n-butyl phthalate	**1130**	B	ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
1,2-Dichlorobenzene	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C
1,4-Dichlorobenzene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
1,3-Dichlorobenzene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
3,3´-Dichlorobenzidine	<535		ug/kg dry	535	12/19/07 05:49	AR	SW 8270C
Diethyl phthalate	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Dimethyl phthalate	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C
2,4-Dinitrotoluene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
2,6-Dinitrotoluene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Di-n-octyl phthalate	<535		ug/kg dry	535	12/19/07 05:49	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	**448**	B	ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Fluoranthene	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C
Fluorene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Hexachlorobenzene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Hexachlorobutadiene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Hexachlorocyclopentadiene	<1070		ug/kg dry	1070	12/19/07 05:49	AR	SW 8270C
Hexachloroethane	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Isophorone	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
2-Methylnaphthalene	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C
Naphthalene	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C
3-Nitroaniline	<535		ug/kg dry	535	12/19/07 05:49	AR	SW 8270C
2-Nitroaniline	<535		ug/kg dry	535	12/19/07 05:49	AR	SW 8270C
4-Nitroaniline	<535		ug/kg dry	535	12/19/07 05:49	AR	SW 8270C
Nitrobenzene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
N-Nitrosodiphenylamine	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
N-Nitrosodi-n-propylamine	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Phenanthrene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
Pyrene	<214		ug/kg dry	214	12/19/07 05:49	AR	SW 8270C
1,2,4-Trichlorobenzene	<107		ug/kg dry	107	12/19/07 05:49	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-10**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Extracted 12/13/07 by Soxhlet Extraction for SW 8081.							
alpha-BHC	<1.07		ug/kg dry	1.07	12/17/07 10:50	AR	SW 8081
alpha-Chlordane	<1.07		ug/kg dry	1.07	12/17/07 10:50	AR	SW 8081
beta-BHC	<1.07		ug/kg dry	1.07	12/17/07 10:50	AR	SW 8081
Aldrin	<1.07		ug/kg dry	1.07	12/17/07 10:50	AR	SW 8081
gamma-BHC (Lindane)	<1.07		ug/kg dry	1.07	12/17/07 10:50	AR	SW 8081
gamma-Chlordane	<1.07		ug/kg dry	1.07	12/17/07 10:50	AR	SW 8081
Heptachlor	<1.07		ug/kg dry	1.07	12/17/07 10:50	AR	SW 8081
Heptachlor epoxide	<1.07		ug/kg dry	1.07	12/17/07 10:50	AR	SW 8081
delta-BHC	<1.07		ug/kg dry	1.07	12/17/07 10:50	AR	SW 8081
Endosulfan I	<5.35		ug/kg dry	5.35	12/17/07 10:50	AR	SW 8081
Endosulfan II	<5.35		ug/kg dry	5.35	12/17/07 10:50	AR	SW 8081
Endosulfan sulfate	<5.35		ug/kg dry	5.35	12/17/07 10:50	AR	SW 8081
Endrin	<5.35		ug/kg dry	5.35	12/17/07 10:50	AR	SW 8081
Endrin aldehyde	<5.35		ug/kg dry	5.35	12/17/07 10:50	AR	SW 8081
Endrin ketone	<5.35		ug/kg dry	5.35	12/17/07 10:50	AR	SW 8081
4,4´-DDD	<5.35		ug/kg dry	5.35	12/17/07 10:50	AR	SW 8081
4,4´-DDE	<5.35		ug/kg dry	5.35	12/17/07 10:50	AR	SW 8081
4,4´-DDT	<5.35		ug/kg dry	5.35	12/17/07 10:50	AR	SW 8081
Methoxychlor	<10.7		ug/kg dry	10.7	12/17/07 10:50	AR	SW 8081
Dieldrin	<5.35		ug/kg dry	5.35	12/17/07 10:50	AR	SW 8081
Chlordane (technical)	<10.7		ug/kg dry	10.7	12/17/07 10:50	AR	SW 8081
Toxaphene	<10.7		ug/kg dry	10.7	12/17/07 10:50	AR	SW 8081
Extracted 12/13/07 by Soxhlet Extraction for SW 8082.							
Aroclor 1016	<42.8		ug/kg dry	42.8	12/17/07 10:42	AR	SW 8082
Aroclor 1221	<42.8		ug/kg dry	42.8	12/17/07 10:42	AR	SW 8082
Aroclor 1232	<42.8		ug/kg dry	42.8	12/17/07 10:42	AR	SW 8082
Aroclor 1242	<42.8		ug/kg dry	42.8	12/17/07 10:42	AR	SW 8082
Aroclor 1248	<42.8		ug/kg dry	42.8	12/17/07 10:42	AR	SW 8082
Aroclor 1254	<42.8		ug/kg dry	42.8	12/17/07 10:42	AR	SW 8082
Aroclor 1260	<42.8		ug/kg dry	42.8	12/17/07 10:42	AR	SW 8082

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004

QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QB-01 - The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

B - Analyte is found in the associated blank as well as in the sample.

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Joseph P. Shaulys

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Report Date: 11/18/2013
Client Project ID: 225-227 Boerum St. Brooklyn
York Project (SDG) No.: 13K0387

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

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Report Date: 11/18/2013
Client Project ID: 225-227 Boerum St. Brooklyn
York Project (SDG) No.: 13K0387

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 12, 2013 and listed below. The project was identified as your project: **225-227 Boerum St. Brooklyn**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13K0387-01	SP-5 (0'-2')	Soil	11/07/2013	11/12/2013
13K0387-02	SP-5 (8'-10')	Soil	11/07/2013	11/12/2013

General Notes for York Project (SDG) No.: 13K0387

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 11/18/2013

Benjamin Gulizia
Laboratory Director

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SP-5 (0'-2')** **York Sample ID:** **13K0387-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	84	170	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
78-93-3	2-Butanone	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
67-64-1	Acetone	ND		ug/kg dry	4.2	17	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
71-43-2	Benzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
108-86-1	Bromobenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SP-5 (0'-2')** **York Sample ID:** **13K0387-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
75-25-2	Bromoform	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
74-83-9	Bromomethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
75-00-3	Chloroethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
67-66-3	Chloroform	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
74-87-3	Chloromethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
74-95-3	Dibromomethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.2	17	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
91-20-3	Naphthalene	ND		ug/kg dry	4.2	17	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
95-47-6	o-Xylene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	8.4	17	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
100-42-5	Styrene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
108-88-3	Toluene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SP-5 (0'-2')** **York Sample ID:** **13K0387-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	13	25	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:22	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*72-137*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*	*72-138*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*85-118*

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
62-53-3	Aniline	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
120-12-7	Anthracene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
205-99-2	Benzo(b)fluoranthene	**60.7**	J	ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SP-5 (0'-2')** **York Sample ID:** **13K0387-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
218-01-9	Chrysene	**50.1**	J	ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	183	365	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	183	366	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
206-44-0	Fluoranthene	**93.6**	J	ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
86-73-7	Fluorene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
78-59-1	Isophorone	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
91-20-3	Naphthalene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SP-5 (0'-2')** **York Sample ID:** **13K0387-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	92.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
85-01-8	Phenanthrene	**71.3**	J	ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
108-95-2	Phenol	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
129-00-0	Pyrene	**79.3**	J	ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
110-86-1	Pyridine	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.1	183	1	EPA 8270D	11/13/2013 17:00	11/14/2013 18:16	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*31.2 %*	*10-109*
4165-62-2	*Surrogate: Phenol-d5*	*50.4 %*	*10-124*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*59.9 %*	*10-148*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*58.0 %*	*10-111*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*79.1 %*	*10-142*
1718-51-0	*Surrogate: Terphenyl-d14*	*60.8 %*	*10-147*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	91.6	91.6	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.05	9.05	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SP-5 (0'-2')** **York Sample ID:** **13K0387-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
72-20-8	Endrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.24	7.24	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
309-00-2	Aldrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.81	1.81	5	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 10:48	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	18.6	18.6	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 12:31	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	18.6	18.6	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 12:31	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	18.6	18.6	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 12:31	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	18.6	18.6	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 12:31	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	18.6	18.6	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 12:31	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	18.6	18.6	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 12:31	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	18.6	18.6	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 12:31	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.46	18.6	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 12:31	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*93.7 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*76.7 %*	*30-140*

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SP-5 (0'-2')** **York Sample ID:** **13K0387-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**8600**		mg/kg dry	1.10	1.10	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-36-0	Antimony	ND		mg/kg dry	0.548	0.548	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-38-2	Arsenic	**3.53**		mg/kg dry	1.10	1.10	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-39-3	Barium	**43.0**		mg/kg dry	1.10	1.10	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-43-9	Cadmium	**1.19**		mg/kg dry	0.329	0.329	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-70-2	Calcium	**567**		mg/kg dry	0.548	5.48	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-47-3	Chromium	**18.0**		mg/kg dry	0.548	0.548	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-48-4	Cobalt	**7.04**		mg/kg dry	0.548	0.548	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-50-8	Copper	**43.2**		mg/kg dry	0.548	0.548	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7439-89-6	Iron	**22400**		mg/kg dry	2.19	2.19	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7439-92-1	Lead	**211**		mg/kg dry	0.329	0.329	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7439-95-4	Magnesium	**1830**		mg/kg dry	5.48	5.48	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7439-96-5	Manganese	**389**		mg/kg dry	0.548	0.548	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-02-0	Nickel	**11.9**		mg/kg dry	0.548	0.548	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-09-7	Potassium	**925**		mg/kg dry	5.48	5.48	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7782-49-2	Selenium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-22-4	Silver	ND		mg/kg dry	0.548	0.548	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-23-5	Sodium	**43.7**		mg/kg dry	11.0	11.0	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-62-2	Vanadium	**28.3**		mg/kg dry	1.10	1.10	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW
7440-66-6	Zinc	**40.0**		mg/kg dry	1.10	1.10	1	EPA 6010C	11/13/2013 14:21	11/13/2013 20:58	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	**1.58**		mg/kg dry	0.000877	0.000877	1	EPA 7473	11/14/2013 07:10	11/14/2013 13:39	AAkba

Sample Information

Client Sample ID: **SP-5 (0'-2')** **York Sample ID:** **13K0387-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**91.2**		%	0.100	0.100	1	SM 2540G	11/18/2013 12:02	11/18/2013 12:02	AA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.384	0.548	1	EPA 7196A	11/14/2013 07:36	11/14/2013 15:38	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	Chromium, Trivalent	**16.4**		mg/kg	0.250	0.500	1	Calculation	11/14/2013 15:43	11/15/2013 13:47	SC

Sample Information

Client Sample ID: **SP-5 (8'-10')** **York Sample ID:** **13K0387-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SP-5 (8'-10')** **York Sample ID:** **13K0387-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	110	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
67-64-1	Acetone	ND		ug/kg dry	2.8	11	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
71-43-2	Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SP-5 (8'-10')** **York Sample ID:** **13K0387-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
75-09-2	Methylene chloride	ND		ug/kg dry	2.8	11	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.8	11	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
100-42-5	Styrene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
108-88-3	Toluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	11/15/2013 15:29	11/16/2013 17:57	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*72-137*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*	*72-138*
2037-26-5	*Surrogate: Toluene-d8*	*99.7 %*	*85-118*

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SP-5 (8'-10')** **York Sample ID:** **13K0387-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
62-53-3	Aniline	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
120-12-7	Anthracene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
218-01-9	Chrysene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	931	1860	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: SP-5 (8'-10')

York Sample ID: 13K0387-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	931	1860	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
206-44-0	Fluoranthene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
86-73-7	Fluorene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
78-59-1	Isophorone	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
91-20-3	Naphthalene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	469	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
85-01-8	Phenanthrene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: SP-5 (8'-10')

York Sample ID: 13K0387-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
129-00-0	Pyrene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
110-86-1	Pyridine	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	234	930	5	EPA 8270D	11/13/2013 17:00	11/14/2013 18:47	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*24.8 %*	*10-109*
4165-62-2	*Surrogate: Phenol-d5*	*52.9 %*	*10-124*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*44.9 %*	*10-148*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*60.8 %*	*10-111*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*68.4 %*	*10-142*
1718-51-0	*Surrogate: Terphenyl-d14*	*63.7 %*	*10-147*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	93.1	93.1	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.20	9.20	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
72-20-8	Endrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.36	7.36	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SP-5 (8'-10')** **York Sample ID:** **13K0387-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	11/13/2013 18:00	11/15/2013 13:32	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	19.0	19.0	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 13:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	19.0	19.0	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 13:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	19.0	19.0	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 13:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	19.0	19.0	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 13:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	19.0	19.0	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 13:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	19.0	19.0	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 13:00	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	19.0	19.0	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 13:00	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.59	19.0	1	EPA 8081B/8082A	11/13/2013 18:00	11/14/2013 13:00	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*56.9 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**11000**		mg/kg dry	1.12	1.12	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-36-0	Antimony	ND		mg/kg dry	0.558	0.558	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-38-2	Arsenic	**5.82**		mg/kg dry	1.12	1.12	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-39-3	Barium	**56.8**		mg/kg dry	1.12	1.12	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.112	0.112	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-43-9	Cadmium	**1.17**		mg/kg dry	0.335	0.335	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-70-2	Calcium	**3770**		mg/kg dry	0.558	5.58	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-47-3	Chromium	**17.5**		mg/kg dry	0.558	0.558	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-48-4	Cobalt	**7.20**		mg/kg dry	0.558	0.558	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-50-8	Copper	**21.0**		mg/kg dry	0.558	0.558	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7439-89-6	Iron	**20300**		mg/kg dry	2.23	2.23	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7439-92-1	Lead	**43.4**		mg/kg dry	0.335	0.335	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7439-95-4	Magnesium	**3570**		mg/kg dry	5.58	5.58	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7439-96-5	Manganese	**382**		mg/kg dry	0.558	0.558	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SP-5 (8'-10')** **York Sample ID:** **13K0387-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0387	225-227 Boerum St. Brooklyn	Soil	November 7, 2013 3:00 pm	11/12/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	**15.7**		mg/kg dry	0.558	0.558	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-09-7	Potassium	**618**		mg/kg dry	5.58	5.58	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7782-49-2	Selenium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-22-4	Silver	ND		mg/kg dry	0.558	0.558	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-23-5	Sodium	**63.4**		mg/kg dry	11.2	11.2	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-28-0	Thallium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-62-2	Vanadium	**28.9**		mg/kg dry	1.12	1.12	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW
7440-66-6	Zinc	**111**		mg/kg dry	1.12	1.12	1	EPA 6010C	11/13/2013 14:21	11/13/2013 21:03	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	**0.108**		mg/kg dry	0.000892	0.000892	1	EPA 7473	11/14/2013 07:10	11/14/2013 13:55	AAkba

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**89.6**		%	0.100	0.100	1	SM 2540G	11/18/2013 12:02	11/18/2013 12:02	AA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.390	0.558	1	EPA 7196A	11/14/2013 07:36	11/14/2013 15:38	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	Chromium, Trivalent	**15.6**		mg/kg	0.250	0.500	1	Calculation	11/14/2013 15:43	11/15/2013 13:47	SC

Analytical Batch Summary

Batch ID: BK30619 **Preparation Method:** EPA 3550B **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
13K0387-01	SP-5 (0'-2')	11/13/13
13K0387-02	SP-5 (8'-10')	11/13/13
BK30619-BLK1	Blank	11/13/13
BK30619-BS1	LCS	11/13/13
BK30619-BSD1	LCS Dup	11/13/13

Batch ID: BK30621 **Preparation Method:** EPA 3550B **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
13K0387-01	SP-5 (0'-2')	11/13/13
13K0387-02	SP-5 (8'-10')	11/13/13
BK30621-BLK1	Blank	11/13/13
BK30621-BS1	LCS	11/13/13
BK30621-BS2	LCS	11/13/13
BK30621-BSD1	LCS Dup	11/13/13

Batch ID: BK30624 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13K0387-01	SP-5 (0'-2')	11/13/13
13K0387-02	SP-5 (8'-10')	11/13/13
BK30624-BLK1	Blank	11/13/13
BK30624-SRM1	Reference	11/13/13

Batch ID: BK30647 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13K0387-01	SP-5 (0'-2')	11/14/13
13K0387-02	SP-5 (8'-10')	11/14/13
BK30647-BLK1	Blank	11/14/13
BK30647-SRM1	Reference	11/14/13

Batch ID: BK30653 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
13K0387-01	SP-5 (0'-2')	11/14/13
13K0387-02	SP-5 (8'-10')	11/14/13
BK30653-BLK1	Blank	11/14/13
BK30653-SRM1	Reference	11/14/13

Batch ID: BK30698 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

Table of Contents

YORK Sample ID	Client Sample ID	Preparation Date
13K0387-01	SP-5 (0'-2')	11/14/13
13K0387-02	SP-5 (8'-10')	11/14/13

Batch ID: BK30806 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13K0387-01	SP-5 (0'-2')	11/15/13
13K0387-02	SP-5 (8'-10')	11/15/13
BK30806-BLK1	Blank	11/15/13
BK30806-BS1	LCS	11/15/13
BK30806-BSD1	LCS Dup	11/15/13

Batch ID: BK30848 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
13K0387-01	SP-5 (0'-2')	11/18/13
13K0387-02	SP-5 (8'-10')	11/18/13

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30806 - EPA 5035A											
Blank (BK30806-BLK1)											Prepared: 11/15/2013 Analyzed: 11/16/2013
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30806 - EPA 5035A											
Blank (BK30806-BLK1)								Prepared: 11/15/2013 Analyzed: 11/16/2013			
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*55.6*		*ug/L*	*50.0*		*111*	*72-137*				
Surrogate: p-Bromofluorobenzene	*49.6*		*"*	*50.0*		*99.1*	*72-138*				
Surrogate: Toluene-d8	*53.9*		*"*	*50.0*		*108*	*85-118*				
LCS (BK30806-BS1)								Prepared: 11/15/2013 Analyzed: 11/16/2013			
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		106	91-113				
1,1,1-Trichloroethane	56		"	50.0		112	76-135				
1,1,2,2-Tetrachloroethane	56		"	50.0		113	82-119				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	68		"	50.0		136	68-144				
1,1,2-Trichloroethane	55		"	50.0		109	82-114				
1,1-Dichloroethane	54		"	50.0		109	80-119				
1,1-Dichloroethylene	58		"	50.0		117	58-139				
1,1-Dichloropropylene	56		"	50.0		112	75-117				
1,2,3-Trichlorobenzene	55		"	50.0		109	72-133				
1,2,3-Trichloropropane	54		"	50.0		107	82-117				
1,2,4-Trichlorobenzene	54		"	50.0		109	69-135				
1,2,4-Trimethylbenzene	55		"	50.0		109	82-116				
1,2-Dibromo-3-chloropropane	57		"	50.0		115	72-131				
1,2-Dibromoethane	52		"	50.0		103	86-114				
1,2-Dichlorobenzene	55		"	50.0		110	85-114				
1,2-Dichloroethane	56		"	50.0		112	72-136				
1,2-Dichloropropane	55		"	50.0		110	79-119				
1,3,5-Trimethylbenzene	54		"	50.0		107	86-114				
1,3-Dichlorobenzene	54		"	50.0		108	84-114				
1,3-Dichloropropane	53		"	50.0		107	82-117				
1,4-Dichlorobenzene	51		"	50.0		102	82-116				
1,4-Dioxane	910		"	1000		90.6	10-208				
2,2-Dichloropropane	56		"	50.0		112	44-148				
2-Butanone	56		"	50.0		111	60-129				
2-Chlorotoluene	58		"	50.0		115	82-114	High Bias			
4-Chlorotoluene	53		"	50.0		107	82-117				
Acetone	61		"	50.0		123	26-119	High Bias			
Benzene	56		"	50.0		113	81-117				
Bromobenzene	57		"	50.0		114	85-114				
Bromochloromethane	52		"	50.0		105	79-118				
Bromodichloromethane	55		"	50.0		110	88-123				
Bromoform	54		"	50.0		108	85-122				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30806 - EPA 5035A											
LCS (BK30806-BS1)								Prepared: 11/15/2013 Analyzed: 11/16/2013			
Bromomethane	79		ug/L	50.0		157	43-137	High Bias			
Carbon tetrachloride	56		"	50.0		111	79-135				
Chlorobenzene	53		"	50.0		106	87-112				
Chloroethane	68		"	50.0		137	60-132	High Bias			
Chloroform	57		"	50.0		113	80-126				
Chloromethane	69		"	50.0		138	36-133	High Bias			
cis-1,2-Dichloroethylene	53		"	50.0		105	80-119				
cis-1,3-Dichloropropylene	58		"	50.0		115	87-125				
Dibromochloromethane	58		"	50.0		116	86-128				
Dibromomethane	54		"	50.0		107	85-121				
Dichlorodifluoromethane	66		"	50.0		132	10-156				
Ethyl Benzene	56		"	50.0		111	88-117				
Hexachlorobutadiene	56		"	50.0		112	82-129				
Isopropylbenzene	56		"	50.0		112	84-116				
Methyl tert-butyl ether (MTBE)	53		"	50.0		105	58-137				
Methylene chloride	54		"	50.0		109	47-140				
Naphthalene	54		"	50.0		108	65-143				
n-Butylbenzene	57		"	50.0		114	79-119				
n-Propylbenzene	56		"	50.0		112	82-116				
o-Xylene	53		"	50.0		106	88-111				
p- & m- Xylenes	110		"	100		110	86-117				
p-Isopropyltoluene	54		"	50.0		108	84-120				
sec-Butylbenzene	55		"	50.0		110	85-119				
Styrene	54		"	50.0		107	85-119				
tert-Butylbenzene	55		"	50.0		110	84-119				
Tetrachloroethylene	49		"	50.0		98.4	74-127				
Toluene	54		"	50.0		107	83-114				
trans-1,2-Dichloroethylene	57		"	50.0		114	68-131				
trans-1,3-Dichloropropylene	54		"	50.0		109	81-127				
Trichloroethylene	53		"	50.0		106	84-118				
Trichlorofluoromethane	58		"	50.0		116	59-148				
Vinyl Chloride	66		"	50.0		132	46-133				
Vinyl acetate	12		"	50.0		23.8	10-84				
Surrogate: 1,2-Dichloroethane-d4	*53.7*		*"*	*50.0*		*107*	*72-137*				
Surrogate: p-Bromofluorobenzene	*53.1*		*"*	*50.0*		*106*	*72-138*				
Surrogate: Toluene-d8	*51.8*		*"*	*50.0*		*104*	*85-118*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30806 - EPA 5035A											
LCS Dup (BK30806-BSD1)								Prepared: 11/15/2013 Analyzed: 11/16/2013			
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		107	91-113		1.07	30	
1,1,1-Trichloroethane	55		"	50.0		111	76-135		0.952	30	
1,1,2,2-Tetrachloroethane	55		"	50.0		111	82-119		1.79	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	68		"	50.0		136	68-144		0.411	30	
1,1,2-Trichloroethane	54		"	50.0		107	82-114		1.72	30	
1,1-Dichloroethane	54		"	50.0		108	80-119		1.05	30	
1,1-Dichloroethylene	58		"	50.0		117	58-139		0.0171	30	
1,1-Dichloropropylene	55		"	50.0		110	75-117		1.44	30	
1,2,3-Trichlorobenzene	57		"	50.0		114	72-133		3.83	30	
1,2,3-Trichloropropane	54		"	50.0		108	82-117		1.11	30	
1,2,4-Trichlorobenzene	58		"	50.0		116	69-135		5.93	30	
1,2,4-Trimethylbenzene	54		"	50.0		109	82-116		0.349	30	
1,2-Dibromo-3-chloropropane	58		"	50.0		116	72-131		1.66	30	
1,2-Dibromoethane	54		"	50.0		107	86-114		3.86	30	
1,2-Dichlorobenzene	53		"	50.0		106	85-114		3.59	30	
1,2-Dichloroethane	56		"	50.0		112	72-136		0.00	30	
1,2-Dichloropropane	56		"	50.0		113	79-119		2.73	30	
1,3,5-Trimethylbenzene	53		"	50.0		105	86-114		2.09	30	
1,3-Dichlorobenzene	53		"	50.0		106	84-114		1.55	30	
1,3-Dichloropropane	57		"	50.0		113	82-117		5.64	30	
1,4-Dichlorobenzene	53		"	50.0		107	82-116		4.52	30	
1,4-Dioxane	1100		"	1000		110	10-208		19.2	30	
2,2-Dichloropropane	55		"	50.0		111	44-148		1.19	30	
2-Butanone	55		"	50.0		110	60-129		1.09	30	
2-Chlorotoluene	53		"	50.0		105	82-114		9.27	30	
4-Chlorotoluene	53		"	50.0		106	82-117		0.469	30	
Acetone	61		"	50.0		122	26-119	High Bias	0.653	30	
Benzene	55		"	50.0		111	81-117		1.86	30	
Bromobenzene	55		"	50.0		111	85-114		2.81	30	
Bromochloromethane	52		"	50.0		105	79-118		0.115	30	
Bromodichloromethane	58		"	50.0		115	88-123		4.17	30	
Bromoform	52		"	50.0		105	85-122		3.27	30	
Bromomethane	69		"	50.0		137	43-137		13.5	30	
Carbon tetrachloride	56		"	50.0		112	79-135		0.359	30	
Chlorobenzene	53		"	50.0		106	87-112		0.377	30	
Chloroethane	68		"	50.0		136	60-132	High Bias	0.852	30	
Chloroform	54		"	50.0		109	80-126		4.07	30	
Chloromethane	65		"	50.0		129	36-133		6.97	30	
cis-1,2-Dichloroethylene	52		"	50.0		104	80-119		1.46	30	
cis-1,3-Dichloropropylene	60		"	50.0		119	87-125		3.24	30	
Dibromochloromethane	58		"	50.0		116	86-128		0.586	30	
Dibromomethane	55		"	50.0		110	85-121		2.19	30	
Dichlorodifluoromethane	63		"	50.0		126	10-156		4.71	30	
Ethyl Benzene	57		"	50.0		115	88-117		3.19	30	
Hexachlorobutadiene	58		"	50.0		116	82-129		3.50	30	
Isopropylbenzene	55		"	50.0		110	84-116		2.16	30	
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	58-137		3.07	30	
Methylene chloride	50		"	50.0		100	47-140		8.10	30	
Naphthalene	54		"	50.0		107	65-143		0.689	30	
n-Butylbenzene	56		"	50.0		113	79-119		1.67	30	
n-Propylbenzene	56		"	50.0		112	82-116		0.179	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30806 - EPA 5035A											
LCS Dup (BK30806-BSD1)								Prepared: 11/15/2013 Analyzed: 11/16/2013			
o-Xylene	54		ug/L	50.0		108	88-111		1.76	30	
p- & m- Xylenes	110		"	100		112	86-117		2.00	30	
p-Isopropyltoluene	53		"	50.0		107	84-120		1.55	30	
sec-Butylbenzene	55		"	50.0		110	85-119		0.437	30	
Styrene	55		"	50.0		110	85-119		3.03	30	
tert-Butylbenzene	55		"	50.0		110	84-119		0.381	30	
Tetrachloroethylene	54		"	50.0		108	74-127		9.69	30	
Toluene	55		"	50.0		110	83-114		2.83	30	
trans-1,2-Dichloroethylene	53		"	50.0		105	68-131		7.55	30	
trans-1,3-Dichloropropylene	56		"	50.0		113	81-127		3.45	30	
Trichloroethylene	56		"	50.0		112	84-118		5.35	30	
Trichlorofluoromethane	58		"	50.0		116	59-148		0.517	30	
Vinyl Chloride	64		"	50.0		127	46-133		3.75	30	
Vinyl acetate	11		"	50.0		22.5	10-84		5.79	30	
Surrogate: 1,2-Dichloroethane-d4	*52.7*		*"*	*50.0*		*105*	*72-137*				
Surrogate: p-Bromofluorobenzene	*49.9*		*"*	*50.0*		*99.8*	*72-138*				
Surrogate: Toluene-d8	*51.8*		*"*	*50.0*		*104*	*85-118*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30619 - EPA 3550B											
Blank (BK30619-BLK1)									Prepared: 11/13/2013 Analyzed: 11/14/2013		
Acenaphthene	ND	167	ug/kg wet								
Acenaphthylene	ND	167	"								
Aniline	ND	167	"								
Anthracene	ND	167	"								
Benzo(a)anthracene	ND	167	"								
Benzo(a)pyrene	ND	167	"								
Benzo(b)fluoranthene	ND	167	"								
Benzo(g,h,i)perylene	ND	167	"								
Benzo(k)fluoranthene	ND	167	"								
Benzyl alcohol	ND	167	"								
Benzyl butyl phthalate	ND	167	"								
4-Bromophenyl phenyl ether	ND	167	"								
4-Chloro-3-methylphenol	ND	167	"								
4-Chloroaniline	ND	167	"								
Bis(2-chloroethoxy)methane	ND	167	"								
Bis(2-chloroethyl)ether	ND	167	"								
Bis(2-chloroisopropyl)ether	ND	167	"								
2-Chloronaphthalene	ND	167	"								
2-Chlorophenol	ND	167	"								
4-Chlorophenyl phenyl ether	ND	167	"								
Chrysene	ND	167	"								
Dibenzo(a,h)anthracene	ND	167	"								
Dibenzofuran	ND	167	"								
Di-n-butyl phthalate	ND	167	"								
1,3-Dichlorobenzene	ND	167	"								
1,4-Dichlorobenzene	ND	167	"								
1,2-Dichlorobenzene	ND	167	"								
3,3'-Dichlorobenzidine	ND	333	"								
2,4-Dichlorophenol	ND	167	"								
Diethyl phthalate	ND	167	"								
2,4-Dimethylphenol	ND	167	"								
Dimethyl phthalate	ND	167	"								
4,6-Dinitro-2-methylphenol	ND	167	"								
2,4-Dinitrophenol	ND	333	"								
2,4-Dinitrotoluene	ND	167	"								
2,6-Dinitrotoluene	ND	167	"								
Di-n-octyl phthalate	ND	167	"								
Bis(2-ethylhexyl)phthalate	ND	167	"								
Fluoranthene	ND	167	"								
Fluorene	ND	167	"								
Hexachlorobenzene	ND	167	"								
Hexachlorobutadiene	ND	167	"								
Hexachlorocyclopentadiene	ND	167	"								
Hexachloroethane	ND	167	"								
Indeno(1,2,3-cd)pyrene	ND	167	"								
Isophorone	ND	167	"								
2-Methylnaphthalene	ND	167	"								
2-Methylphenol	ND	167	"								
3- & 4-Methylphenols	ND	167	"								
Naphthalene	ND	167	"								
3-Nitroaniline	ND	167	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30619 - EPA 3550B											
Blank (BK30619-BLK1)								Prepared: 11/13/2013 Analyzed: 11/14/2013			
2-Nitroaniline	ND	167	ug/kg wet								
4-Nitroaniline	ND	167	"								
Nitrobenzene	ND	167	"								
2-Nitrophenol	ND	167	"								
4-Nitrophenol	ND	167	"								
N-nitroso-di-n-propylamine	ND	167	"								
N-Nitrosodimethylamine	ND	167	"								
N-Nitrosodiphenylamine	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	167	"								
2,4,6-Trichlorophenol	ND	167	"								
2,4,5-Trichlorophenol	ND	167	"								
Surrogate: 2-Fluorophenol	*1080*		*"*	*2500*		*43.1*	*10-109*				
Surrogate: Phenol-d5	*1440*		*"*	*2510*		*57.1*	*10-124*				
Surrogate: Nitrobenzene-d5	*978*		*"*	*1680*		*58.2*	*10-148*				
Surrogate: 2-Fluorobiphenyl	*1010*		*"*	*1670*		*60.8*	*10-111*				
Surrogate: 2,4,6-Tribromophenol	*2000*		*"*	*2510*		*79.7*	*10-142*				
Surrogate: Terphenyl-d14	*1030*		*"*	*1680*		*61.3*	*10-147*				
LCS (BK30619-BS1)								Prepared: 11/13/2013 Analyzed: 11/14/2013			
Acenaphthene	1290	167	ug/kg wet	1670		77.5	35-127				
Acenaphthylene	1000	167	"	1670		60.3	37-121				
Aniline	826	167	"	1670		49.5	10-149				
Anthracene	1150	167	"	1670		68.9	38-131				
Benzo(a)anthracene	1390	167	"	1670		83.6	37-137				
Benzo(a)pyrene	1580	167	"	1670		94.6	33-162				
Benzo(b)fluoranthene	1660	167	"	1670		99.5	26-160				
Benzo(g,h,i)perylene	1580	167	"	1670		94.7	10-154				
Benzo(k)fluoranthene	1460	167	"	1670		87.3	34-143				
Benzyl alcohol	1140	167	"	1670		68.2	33-124				
Benzyl butyl phthalate	1310	167	"	1670		78.8	30-143				
4-Bromophenyl phenyl ether	1300	167	"	1670		78.1	35-135				
4-Chloro-3-methylphenol	1300	167	"	1670		77.8	34-133				
4-Chloroaniline	1020	167	"	1670		61.3	17-175				
Bis(2-chloroethoxy)methane	858	167	"	1670		51.5	31-119				
Bis(2-chloroethyl)ether	855	167	"	1670		51.3	18-124				
Bis(2-chloroisopropyl)ether	1040	167	"	1670		62.3	10-141				
2-Chloronaphthalene	1360	167	"	1670		81.6	34-117				
2-Chlorophenol	1200	167	"	1670		71.7	32-123				
4-Chlorophenyl phenyl ether	1650	167	"	1670		99.1	25-142				
Chrysene	1340	167	"	1670		80.2	38-132				
Dibenzo(a,h)anthracene	1750	167	"	1670		105	14-153				
Dibenzofuran	1170	167	"	1670		70.4	39-123				
Di-n-butyl phthalate	1390	167	"	1670		83.4	35-132				
1,3-Dichlorobenzene	1150	167	"	1670		69.0	22-120				
1,4-Dichlorobenzene	1320	167	"	1670		79.1	20-122				
1,2-Dichlorobenzene	1200	167	"	1670		72.1	22-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30619 - EPA 3550B											
LCS (BK30619-BS1)								Prepared: 11/13/2013 Analyzed: 11/14/2013			
3,3'-Dichlorobenzidine	1800	333	ug/kg wet	1670		108	16-177				
2,4-Dichlorophenol	1150	167	"	1670		68.9	30-134				
Diethyl phthalate	1580	167	"	1670		94.8	41-125				
2,4-Dimethylphenol	1020	167	"	1670		60.9	33-120				
Dimethyl phthalate	1510	167	"	1670		90.5	39-125				
4,6-Dinitro-2-methylphenol	1500	167	"	1670		89.8	10-165				
2,4-Dinitrophenol	1210	333	"	1670		72.9	53-209				
2,4-Dinitrotoluene	1270	167	"	1670		76.3	41-129				
2,6-Dinitrotoluene	1300	167	"	1670		78.2	42-130				
Di-n-octyl phthalate	1530	167	"	1670		92.0	19-162				
Bis(2-ethylhexyl)phthalate	1330	167	"	1670		79.8	35-137				
Fluoranthene	1330	167	"	1670		79.6	35-136				
Fluorene	1490	167	"	1670		89.7	33-134				
Hexachlorobenzene	1650	167	"	1670		98.9	31-139				
Hexachlorobutadiene	1520	167	"	1670		91.0	19-137				
Hexachlorocyclopentadiene	1390	167	"	1670		83.6	10-145				
Hexachloroethane	1380	167	"	1670		82.6	12-125				
Indeno(1,2,3-cd)pyrene	1780	167	"	1670		107	11-155				
Isophorone	1200	167	"	1670		71.9	30-125				
2-Methylnaphthalene	990	167	"	1670		59.4	30-125				
2-Methylphenol	1140	167	"	1670		68.2	30-128				
3- & 4-Methylphenols	1040	167	"	1670		62.4	30-120				
Naphthalene	1090	167	"	1670		65.2	28-121				
3-Nitroaniline	1320	167	"	1670		79.0	10-234				
2-Nitroaniline	1330	167	"	1670		79.5	38-130				
4-Nitroaniline	1210	167	"	1670		72.8	10-208				
Nitrobenzene	1170	167	"	1670		70.1	28-118				
2-Nitrophenol	1160	167	"	1670		69.7	23-129				
4-Nitrophenol	1780	167	"	1670		107	10-185				
N-nitroso-di-n-propylamine	1370	167	"	1670		82.2	21-136				
N-Nitrosodimethylamine	1040	167	"	1670		62.3	10-131				
N-Nitrosodiphenylamine	2120	167	"	1670		127	36-163				
Pentachlorophenol	1540	167	"	1670		92.7	15-182				
Phenanthrene	1160	167	"	1670		69.8	37-132				
Phenol	842	167	"	1670		50.5	28-124				
Pyrene	1250	167	"	1670		74.7	30-147				
Pyridine	610	167	"	1670		36.6	10-113				
1,2,4-Trichlorobenzene	1080	167	"	1670		64.5	22-129				
2,4,6-Trichlorophenol	1280	167	"	1670		77.0	36-130				
2,4,5-Trichlorophenol	1250	167	"	1670		74.9	34-126				
Surrogate: 2-Fluorophenol	*1660*		*"*	*2500*		*66.3*	*10-109*				
Surrogate: Phenol-d5	*1200*		*"*	*2510*		*47.8*	*10-124*				
Surrogate: Nitrobenzene-d5	*1080*		*"*	*1680*		*64.5*	*10-148*				
Surrogate: 2-Fluorobiphenyl	*947*		*"*	*1670*		*56.8*	*10-111*				
Surrogate: 2,4,6-Tribromophenol	*2060*		*"*	*2510*		*81.9*	*10-142*				
Surrogate: Terphenyl-d14	*1040*		*"*	*1680*		*61.7*	*10-147*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30619 - EPA 3550B											
LCS Dup (BK30619-BSD1)								Prepared: 11/13/2013 Analyzed: 11/14/2013			
Acenaphthene	1160	167	ug/kg wet	1670		69.4	35-127		11.0	30	
Acenaphthylene	936	167	"	1670		56.2	37-121		7.04	30	
Aniline	761	167	"	1670		45.6	10-149		8.19	30	
Anthracene	1070	167	"	1670		64.2	38-131		7.07	30	
Benzo(a)anthracene	1230	167	"	1670		73.8	37-137		12.4	30	
Benzo(a)pyrene	1440	167	"	1670		86.5	33-162		8.99	30	
Benzo(b)fluoranthene	1440	167	"	1670		86.2	26-160		14.3	30	
Benzo(g,h,i)perylene	1460	167	"	1670		87.9	10-154		7.49	30	
Benzo(k)fluoranthene	1310	167	"	1670		78.4	34-143		10.7	30	
Benzyl alcohol	1040	167	"	1670		62.6	33-124		8.57	30	
Benzyl butyl phthalate	1180	167	"	1670		70.5	30-143		11.1	30	
4-Bromophenyl phenyl ether	1270	167	"	1670		76.4	35-135		2.20	30	
4-Chloro-3-methylphenol	1190	167	"	1670		71.4	34-133		8.58	30	
4-Chloroaniline	954	167	"	1670		57.3	17-175		6.82	30	
Bis(2-chloroethoxy)methane	807	167	"	1670		48.4	31-119		6.13	30	
Bis(2-chloroethyl)ether	788	167	"	1670		47.3	18-124		8.24	30	
Bis(2-chloroisopropyl)ether	966	167	"	1670		58.0	10-141		7.25	30	
2-Chloronaphthalene	1240	167	"	1670		74.3	34-117		9.36	30	
2-Chlorophenol	1120	167	"	1670		67.2	32-123		6.51	30	
4-Chlorophenyl phenyl ether	1490	167	"	1670		89.6	25-142		10.0	30	
Chrysene	1200	167	"	1670		72.0	38-132		10.8	30	
Dibenzo(a,h)anthracene	1610	167	"	1670		96.7	14-153		8.36	30	
Dibenzofuran	1090	167	"	1670		65.6	39-123		7.12	30	
Di-n-butyl phthalate	1300	167	"	1670		78.2	35-132		6.44	30	
1,3-Dichlorobenzene	1070	167	"	1670		64.0	22-120		7.61	30	
1,4-Dichlorobenzene	1240	167	"	1670		74.4	20-122		6.07	30	
1,2-Dichlorobenzene	1080	167	"	1670		64.9	22-121		10.5	30	
3,3'-Dichlorobenzidine	1520	333	"	1670		91.3	16-177		16.8	30	
2,4-Dichlorophenol	1090	167	"	1670		65.5	30-134		5.12	30	
Diethyl phthalate	1440	167	"	1670		86.1	41-125		9.64	30	
2,4-Dimethylphenol	926	167	"	1670		55.6	33-120		9.13	30	
Dimethyl phthalate	1390	167	"	1670		83.6	39-125		7.90	30	
4,6-Dinitro-2-methylphenol	1310	167	"	1670		78.4	10-165		13.6	30	
2,4-Dinitrophenol	1170	333	"	1670		70.0	53-209		3.95	30	
2,4-Dinitrotoluene	1180	167	"	1670		70.8	41-129		7.45	30	
2,6-Dinitrotoluene	1140	167	"	1670		68.5	42-130		13.2	30	
Di-n-octyl phthalate	1380	167	"	1670		83.0	19-162		10.2	30	
Bis(2-ethylhexyl)phthalate	1210	167	"	1670		72.3	35-137		9.88	30	
Fluoranthene	1250	167	"	1670		74.9	35-136		6.01	30	
Fluorene	1360	167	"	1670		81.4	33-134		9.70	30	
Hexachlorobenzene	1600	167	"	1670		96.2	31-139		2.81	30	
Hexachlorobutadiene	1370	167	"	1670		82.1	19-137		10.3	30	
Hexachlorocyclopentadiene	1290	167	"	1670		77.3	10-145		7.86	30	
Hexachloroethane	1240	167	"	1670		74.3	12-125		10.6	30	
Indeno(1,2,3-cd)pyrene	1600	167	"	1670		96.3	11-155		10.3	30	
Isophorone	1100	167	"	1670		66.2	30-125		8.28	30	
2-Methylnaphthalene	921	167	"	1670		55.3	30-125		7.22	30	
2-Methylphenol	1050	167	"	1670		63.3	30-128		7.54	30	
3- & 4-Methylphenols	955	167	"	1670		57.3	30-120		8.42	30	
Naphthalene	1030	167	"	1670		62.0	28-121		5.10	30	
3-Nitroaniline	1200	167	"	1670		72.0	10-234		9.24	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30619 - EPA 3550B											
LCS Dup (BK30619-BSD1)								Prepared: 11/13/2013 Analyzed: 11/14/2013			
2-Nitroaniline	1260	167	ug/kg wet	1670		75.8	38-130		4.76	30	
4-Nitroaniline	1120	167	"	1670		67.4	10-208		7.67	30	
Nitrobenzene	1080	167	"	1670		64.7	28-118		8.01	30	
2-Nitrophenol	1090	167	"	1670		65.2	23-129		6.70	30	
4-Nitrophenol	1680	167	"	1670		101	10-185		6.20	30	
N-nitroso-di-n-propylamine	1280	167	"	1670		76.6	21-136		7.05	30	
N-Nitrosodimethylamine	703	167	"	1670		42.2	10-131		38.5	30	Non-dir.
N-Nitrosodiphenylamine	1920	167	"	1670		115	36-163		9.57	30	
Pentachlorophenol	1360	167	"	1670		81.9	15-182		12.4	30	
Phenanthrene	1090	167	"	1670		65.1	37-132		6.97	30	
Phenol	761	167	"	1670		45.7	28-124		10.1	30	
Pyrene	1110	167	"	1670		66.6	30-147		11.5	30	
Pyridine	560	167	"	1670		33.6	10-113		8.43	30	
1,2,4-Trichlorobenzene	998	167	"	1670		59.9	22-129		7.43	30	
2,4,6-Trichlorophenol	1170	167	"	1670		70.3	36-130		9.15	30	
2,4,5-Trichlorophenol	1140	167	"	1670		68.3	34-126		9.22	30	
Surrogate: 2-Fluorophenol	*1350*		*"*	*2500*		*53.9*	*10-109*				
Surrogate: Phenol-d5	*1120*		*"*	*2510*		*44.7*	*10-124*				
Surrogate: Nitrobenzene-d5	*1010*		*"*	*1680*		*60.2*	*10-148*				
Surrogate: 2-Fluorobiphenyl	*927*		*"*	*1670*		*55.6*	*10-111*				
Surrogate: 2,4,6-Tribromophenol	*2040*		*"*	*2510*		*81.4*	*10-142*				
Surrogate: Terphenyl-d14	*974*		*"*	*1680*		*58.0*	*10-147*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30621 - EPA 3550B											
Blank (BK30621-BLK1)								Prepared: 11/13/2013 Analyzed: 11/14/2013			
Toxaphene	ND	16.7	ug/kg wet								
Methoxychlor	ND	1.65	"								
Heptachlor epoxide	ND	0.330	"								
Heptachlor	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Endrin ketone	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Dieldrin	ND	0.330	"								
delta-BHC	ND	0.330	"								
Chlordane, total	ND	1.32	"								
beta-BHC	ND	0.330	"								
alpha-BHC	ND	0.330	"								
Aldrin	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
4,4'-DDE	ND	0.330	"								
4,4'-DDD	ND	0.330	"								
Aroclor 1260	ND	17.0	"								
Aroclor 1254	ND	17.0	"								
Aroclor 1248	ND	17.0	"								
Aroclor 1242	ND	17.0	"								
Aroclor 1232	ND	17.0	"								
Aroclor 1221	ND	17.0	"								
Aroclor 1016	ND	17.0	"								
Total PCBs	ND	17.0	"								
Surrogate: Tetrachloro-m-xylene	*57.1*		*"*	*66.7*		*85.6*	*30-140*				
Surrogate: Decachlorobiphenyl	*61.1*		*"*	*67.0*		*91.2*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30621 - EPA 3550B											
LCS (BK30621-BS1)								Prepared: 11/13/2013 Analyzed: 11/14/2013			
Methoxychlor	30.9	1.65	ug/kg wet	33.3		92.6	40-140				
Heptachlor epoxide	28.9	0.330	"	33.3		86.6	40-140				
Heptachlor	30.0	0.330	"	33.3		90.1	40-140				
gamma-BHC (Lindane)	28.1	0.330	"	33.3		84.4	40-140				
Endrin ketone	27.5	0.330	"	33.3		82.4	40-140				
Endrin aldehyde	24.5	0.330	"	33.3		73.5	40-140				
Endrin	33.0	0.330	"	33.3		99.0	40-140				
Endosulfan sulfate	27.7	0.330	"	33.3		83.2	40-140				
Endosulfan II	30.8	0.330	"	33.3		92.4	40-140				
Endosulfan I	29.0	0.330	"	33.3		87.1	40-140				
Dieldrin	28.5	0.330	"	33.3		85.4	40-140				
delta-BHC	29.1	0.330	"	33.3		87.2	40-140				
beta-BHC	27.5	0.330	"	33.3		82.4	40-140				
alpha-BHC	28.9	0.330	"	33.3		86.6	40-140				
Aldrin	28.6	0.330	"	33.3		85.9	40-140				
4,4'-DDT	32.9	0.330	"	33.3		98.6	40-140				
4,4'-DDE	22.9	0.330	"	33.3		68.8	40-140				
4,4'-DDD	31.8	0.330	"	33.3		95.5	40-140				
Surrogate: Tetrachloro-m-xylene	*55.6*		*"*	*66.7*		*83.4*	*30-140*				
Surrogate: Decachlorobiphenyl	*59.8*		*"*	*67.0*		*89.3*	*30-140*				
LCS (BK30621-BS2)								Prepared: 11/13/2013 Analyzed: 11/14/2013			
Aroclor 1260	350	17.0	ug/kg wet	333		105	40-130				
Aroclor 1016	342	17.0	"	333		103	40-130				
Surrogate: Tetrachloro-m-xylene	*60.0*		*"*	*66.7*		*90.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*66.0*		*"*	*67.0*		*98.5*	*30-140*				
LCS Dup (BK30621-BSD1)								Prepared: 11/13/2013 Analyzed: 11/14/2013			
Methoxychlor	31.4	1.65	ug/kg wet	33.3		94.2	40-140		1.75	30	
Heptachlor epoxide	28.1	0.330	"	33.3		84.3	40-140		2.60	30	
Heptachlor	29.3	0.330	"	33.3		87.8	40-140		2.59	30	
gamma-BHC (Lindane)	27.2	0.330	"	33.3		81.7	40-140		3.23	30	
Endrin ketone	26.0	0.330	"	33.3		77.9	40-140		5.53	30	
Endrin aldehyde	22.8	0.330	"	33.3		68.3	40-140		7.42	30	
Endrin	32.1	0.330	"	33.3		96.4	40-140		2.62	30	
Endosulfan sulfate	27.7	0.330	"	33.3		83.0	40-140		0.197	30	
Endosulfan II	30.1	0.330	"	33.3		90.4	40-140		2.23	30	
Endosulfan I	29.0	0.330	"	33.3		86.9	40-140		0.216	30	
Dieldrin	27.8	0.330	"	33.3		83.4	40-140		2.34	30	
delta-BHC	27.3	0.330	"	33.3		82.0	40-140		6.11	30	
beta-BHC	26.1	0.330	"	33.3		78.2	40-140		5.22	30	
alpha-BHC	27.7	0.330	"	33.3		83.1	40-140		4.07	30	
Aldrin	27.7	0.330	"	33.3		83.0	40-140		3.41	30	
4,4'-DDT	32.5	0.330	"	33.3		97.5	40-140		1.12	30	
4,4'-DDE	21.7	0.330	"	33.3		65.2	40-140		5.40	30	
4,4'-DDD	30.6	0.330	"	33.3		91.8	40-140		3.88	30	
Surrogate: Tetrachloro-m-xylene	*53.0*		*"*	*66.7*		*79.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*58.4*		*"*	*67.0*		*87.1*	*30-140*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30624 - EPA 3050B											
Blank (BK30624-BLK1)								Prepared & Analyzed: 11/13/2013			
Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								
Reference (BK30624-SRM1)								Prepared & Analyzed: 11/13/2013			
Aluminum	5630	1.00	mg/kg wet	9060		62.2	42.6-157				
Antimony	108	0.500	"	106		102	23.1-256				
Arsenic	171	1.00	"	182		93.7	70.9-130				
Barium	128	1.00	"	143		89.6	72.7-128				
Beryllium	91.4	0.100	"	98.3		93.0	74.6-125				
Cadmium	53.5	0.300	"	60.4		88.6	73.2-129				
Calcium	5260	5.00	"	6040		87.1	73.7-126				
Chromium	109	0.500	"	125		86.8	69.8-130				
Cobalt	149	0.500	"	163		91.2	74.2-125				
Copper	79.4	0.500	"	80.1		99.2	73.7-130				
Iron	9350	2.00	"	12900		72.5	32.3-168				
Lead	120	0.300	"	136		87.9	73.1-127				
Magnesium	2040	5.00	"	2640		77.2	64-136				
Manganese	245	0.500	"	279		88.0	74.2-126				
Nickel	125	0.500	"	128		97.5	73.1-130				
Potassium	2220	5.00	"	2820		78.7	62.1-138				
Selenium	82.6	1.00	"	85.9		96.1	63.9-136				
Silver	54.1	0.500	"	61.3		88.2	66.9-133				
Sodium	377	10.0	"	439		86.0	48.3-152				
Thallium	128	1.00	"	144		88.9	68.3-132				
Vanadium	89.8	1.00	"	104		86.3	66-134				
Zinc	176	1.00	"	204		86.1	69.6-133				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30647 - EPA 7473 soil											
Blank (BK30647-BLK1)								Prepared & Analyzed: 11/14/2013			
Mercury	ND	0.000800	mg/kg wet								
Reference (BK30647-SRM1)								Prepared & Analyzed: 11/14/2013			
Mercury	4.17		mg/kg	3.73		112	68.6-131				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK30653 - EPA SW846-3060											
Blank (BK30653-BLK1)								Prepared & Analyzed: 11/14/2013			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BK30653-SRM1)								Prepared & Analyzed: 11/14/2013			
Chromium, Hexavalent	40.8		mg/L	76.7		53.2	20.2-180				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13K0387-01	SP-5 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
13K0387-02	SP-5 (8'-10')	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C

Notes and Definitions

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES INC
YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 13K0387

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: Hydrotech	Company:	Company:	825-227 Boerum St Brooklyn	RUSH - Same Day ☐	Summary Report ____
Address: 150 Gear Ave Brooklyn NY	Address:	Address:	**Purchase Order No.**	RUSH - Next Day ☐	Summary w/ QA Summary ____
Phone No. 718 636-0800	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package ____
Contact Person: Paul Mathy	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg ____
E-Mail Address: PMathy@hydrotech.info	E-Mail Address:	E-Mail Address:	Samples from: CT___ NY ✓ NJ___	RUSH - Four Day ☐	NY ASP A Package ____
				Standard(5-7 Days) ✓	NY ASP B Package ____
					NJDEP Red. Deliv. ____
					Electronic Data Deliverables (EDD)
					Simple Excel ____
					NYSDEC EQuIS ____
					EQuIS (std) ____
					EZ-EDD (EQuIS) ____
					NJDEP SRP HazSite EDD ____
					GIS/KEY (std) ____
					Other ____
					York Regulatory Comparison Excel Spreadsheet
					Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Carlos Quinones

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SP-5 (0'-2')	11/7/13 AM	S	8260, 8270, 8081/8082, Tal Metal, Chromium Hexavalent	2 (8) oz jars + terraco
SP-5 (8'-10')	11/7/13 AM	S	" " " " " chromium trivalent	"

Comments

E-designation Project

Preservation Check those Applicable: 4°C____ Frozen____ HCl____ MeOH____ HNO_3____ H_2SO_4____ NaOH____ ZnAc____ Ascorbic Acid____ Other____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Michael W.	11-12-13 1300	K. Baula	11/12/13 1300
		Place	11-12-13 1800
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time

Temperature on Receipt 4.2 °C

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APPENDIX-E

LABORATORY DATA DELIVERABLES FOR GROUNDWATER ANALYTICAL DATA

SOUTH MALL ANALYTICAL LABS, INC.™

26 NORTH MALL • PLAINVIEW, NY 11803
(516) 293-2191 • FAX (516) 293-3152
E-Mail: Info@SouthMallLabs.com
Website: www.SouthMallLabs.com

December 19, 2007

Analytical Results

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725

Att: Xuan Xu

Sample Description: Water - 225-227 Boeum Street, DRAFT: GP-1 - 12/10/07 08:00
Sample Collected By: Hydro Tech Environmental
Purchase Order: 2554
Date Samples Received: 12/11/07 08:30
Lab ID Number: 0712079-01 Sample

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Aluminum	**25.9**		mg/L	1.21	12/17/07 17:39	MEM	SW 6010B
Antimony	<0.009		mg/L	0.009	12/17/07 16:24	MEM	SW 6010B
Arsenic	<0.005		mg/L	0.005	12/17/07 16:24	MEM	SW 6010B
Barium	**1.61**		mg/L	0.001	12/17/07 16:24	MEM	SW 6010B
Beryllium	**0.010**		mg/L	0.001	12/17/07 16:24	MEM	SW 6010B
Cadmium	**0.010**		mg/L	0.001	12/17/07 16:24	MEM	SW 6010B
Calcium	**253**		mg/L	3.00	12/17/07 17:39	MEM	SW 6010B
Chromium	**0.318**		mg/L	0.002	12/17/07 16:24	MEM	SW 6010B
Cobalt	**0.186**		mg/L	0.001	12/17/07 16:24	MEM	SW 6010B
Copper	**0.261**		mg/L	0.004	12/17/07 16:24	MEM	SW 6010B
Iron	**52.5**	QB-01, B	mg/L	0.400	12/17/07 17:39	MEM	SW 6010B
Lead	**0.165**		mg/L	0.015	12/17/07 16:24	MEM	SW 6010B
Magnesium	**71.3**		mg/L	0.700	12/17/07 17:39	MEM	EPA 6010B
Manganese	**53.5**		mg/L	0.100	12/17/07 17:39	MEM	SW 6010B
Nickel	**0.124**		mg/L	0.002	12/17/07 16:24	MEM	SW 6010B
Potassium	**19.6**	QB-01, B	mg/L	1.00	12/17/07 17:39	MEM	SW 6010B
Selenium	<0.010		mg/L	0.010	12/17/07 16:24	MEM	SW 6010B
Silver	<0.025		mg/L	0.025	12/17/07 16:24	MEM	SW 6010B
Sodium	**147**		mg/L	1.00	12/17/07 17:39	MEM	SW 6010B
Thallium	<0.005		mg/L	0.005	12/17/07 16:24	MEM	SW 6010B
Vanadium	**0.205**		mg/L	0.002	12/17/07 16:24	MEM	SW 6010B
Zinc	**0.451**	QB-01, B	mg/L	0.002	12/17/07 16:24	MEM	SW 6010B
Benzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Bromobenzene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Bromochloromethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: 0712079-01

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Bromodichloromethane	<5.00		ug/L	5.00	12/12/07 15:53	AR	SW 8260B
Bromoform	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Bromomethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
n-Butylbenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
sec-Butylbenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
tert-Butylbenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Carbon Tetrachloride	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Chlorobenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Chloroethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Chloroform	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Chloromethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
2-Chlorotoluene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
4-Chlorotoluene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Dibromochloromethane	<5.00		ug/L	5.00	12/12/07 15:53	AR	SW 8260B
1,2-Dibromo-3-chloropropane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
1,2-Dibromoethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Dibromomethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,3-Dichlorobenzene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Dichlorodifluoromethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,1-Dichloroethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
1,2-Dichloroethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,1-Dichloroethene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,2-Dichloropropane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
1,3-Dichloropropane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
2,2-Dichloropropane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
1,1-Dichloropropene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
cis-1,3-Dichloropropene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
trans-1,3-Dichloropropene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Ethylbenzene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Hexachlorobutadiene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Isopropylbenzene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
4-Isopropyltoluene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Methyl-tert-Butyl Ether	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Methylene Chloride	<10.0		ug/L	10.0	12/12/07 15:53	AR	SW 8260B
Naphthalene	<5.00		ug/L	5.00	12/12/07 15:53	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-01**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
n-Propylbenzene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Styrene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,1,2,2-Tetrachloroethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Tetrachloroethene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Toluene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,2,3-Trichlorobenzene	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
1,2,4-Trichlorobenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,1,1-Trichloroethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,1,2-Trichloroethane	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
Trichloroethene	**10.7**		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Trichlorofluoromethane	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,2,3-Trichloropropane	<5.00		ug/L	5.00	12/12/07 15:53	AR	SW 8260B
1,2,4-Trimethylbenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
1,3,5-Trimethylbenzene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B
Vinyl chloride	<5.00		ug/L	5.00	12/12/07 15:53	AR	SW 8260B
m,p-Xylenes	<2.00		ug/L	2.00	12/12/07 15:53	AR	SW 8260B
o-Xylene	<1.00		ug/L	1.00	12/12/07 15:53	AR	SW 8260B

Extracted 12/14/07 by Separatory Funnel Extraction for SW 8270C.

Acenaphthene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Acenaphthylene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Anthracene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Benzo (a) anthracene	<2.00		ug/L	2.00	12/19/07 10:03	AR	SW 8270C
Benzo (a) pyrene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Benzo (b) fluoranthene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Benzo (g,h,i) perylene	<10.0		ug/L	10.0	12/19/07 10:03	AR	SW 8270C
Benzo (k) fluoranthene	<10.0		ug/L	10.0	12/19/07 10:03	AR	SW 8270C
4-Bromophenyl phenyl ether	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Butyl benzyl phthalate	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
4-Chloroaniline	<10.0		ug/L	10.0	12/19/07 10:03	AR	SW 8270C
Bis(2-chloroethoxy)methane	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Bis(2-chloroethyl)ether	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
2-Chloronaphthalene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
4-Chlorophenyl phenyl ether	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Chrysene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Dibenz (a,h) anthracene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Dibenzofuran	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-01**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Di-n-butyl phthalate	**20.2**	B	ug/L	5.00	12/19/07 10:03	AR	SW 8270C
1,2-Dichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
1,4-Dichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
1,3-Dichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
3,3´-Dichlorobenzidine	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Diethyl phthalate	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Dimethyl phthalate	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
2,4-Dinitrotoluene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
2,6-Dinitrotoluene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Di-n-octyl phthalate	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	**10.1**		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Fluoranthene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Fluorene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Hexachlorobenzene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Hexachlorobutadiene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Hexachlorocyclopentadiene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Hexachloroethane	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Isophorone	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
2-Methylnaphthalene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Naphthalene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
3-Nitroaniline	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
2-Nitroaniline	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
4-Nitroaniline	<10.0		ug/L	10.0	12/19/07 10:03	AR	SW 8270C
Nitrobenzene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
N-Nitrosodiphenylamine	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
N-Nitrosodi-n-propylamine	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Phenanthrene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
Pyrene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C
1,2,4-Trichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:03	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-01**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Extracted 12/14/07 by Separatory Funnel Extraction for SW 8081.							
alpha-BHC	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
alpha-Chlordane	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
beta-BHC	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Aldrin	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
gamma-BHC (Lindane)	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
gamma-Chlordane	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Heptachlor	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Heptachlor epoxide	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
delta-BHC	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Endosulfan I	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endosulfan II	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endosulfan sulfate	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endrin	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endrin aldehyde	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endrin ketone	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
4,4´-DDD	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
4,4´-DDE	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
4,4´-DDT	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Methoxychlor	<0.10		ug/L	0.10	12/18/07 15:23	AR	SW 8081
Dieldrin	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Chlordane (technical)	<0.10		ug/L	0.10	12/18/07 15:23	AR	SW 8081
Toxaphene	<0.10		ug/L	0.10	12/18/07 15:23	AR	SW 8081
Extracted 12/14/07 by Separatory Funnel Extraction for SW 8082.							
Aroclor 1016	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1221	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1232	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1242	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1248	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1254	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1260	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004

QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QB-01 - The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

B - Analyte is found in the associated blank as well as in the sample.

DRAFT REPORT DRAFT REPORT DRAFT REPORT DRAFT REPORT DRAFT REPORT

Joseph P. Shaulys

SOUTH MALL ANALYTICAL LABS, INC.™

26 NORTH MALL • PLAINVIEW, NY 11803
(516) 293-2191 • FAX (516) 293-3152
E-Mail: Info@SouthMallLabs.com
Website: www.SouthMallLabs.com

December 19, 2007

Analytical Results

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725

Att: Xuan Xu

Sample Description: Water - 225-227 Boeum Street, DRAFT: GP-2 - 12/10/07 08:00
Sample Collected By: Hydro Tech Environmental
Purchase Order: 2554
Date Samples Received: 12/11/07 08:30
Lab ID Number: 0712079-02 Sample

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Aluminum	**30.5**		mg/L	1.21	12/17/07 17:43	MEM	SW 6010B
Antimony	<0.009		mg/L	0.009	12/17/07 16:27	MEM	SW 6010B
Arsenic	<0.005		mg/L	0.005	12/17/07 16:27	MEM	SW 6010B
Barium	**4.01**		mg/L	0.001	12/17/07 16:27	MEM	SW 6010B
Beryllium	**0.004**		mg/L	0.001	12/17/07 16:27	MEM	SW 6010B
Cadmium	**0.008**		mg/L	0.001	12/17/07 16:27	MEM	SW 6010B
Calcium	**271**		mg/L	3.00	12/17/07 17:43	MEM	SW 6010B
Chromium	**0.330**		mg/L	0.002	12/17/07 16:27	MEM	SW 6010B
Cobalt	**0.143**		mg/L	0.001	12/17/07 16:27	MEM	SW 6010B
Copper	**0.300**		mg/L	0.004	12/17/07 16:27	MEM	SW 6010B
Iron	**43.3**	QB-01, B	mg/L	0.400	12/17/07 17:43	MEM	SW 6010B
Lead	**0.038**		mg/L	0.015	12/17/07 16:27	MEM	SW 6010B
Magnesium	**42.0**		mg/L	0.700	12/17/07 17:43	MEM	EPA 6010B
Manganese	**64.3**		mg/L	0.100	12/17/07 17:43	MEM	SW 6010B
Nickel	**0.133**		mg/L	0.002	12/17/07 16:27	MEM	SW 6010B
Potassium	**23.7**	QB-01, B	mg/L	1.00	12/17/07 17:43	MEM	SW 6010B
Selenium	<0.010		mg/L	0.010	12/17/07 16:27	MEM	SW 6010B
Silver	<0.025		mg/L	0.025	12/17/07 16:27	MEM	SW 6010B
Sodium	**102**		mg/L	1.00	12/17/07 17:43	MEM	SW 6010B
Thallium	<0.005		mg/L	0.005	12/17/07 16:27	MEM	SW 6010B
Vanadium	**0.023**		mg/L	0.002	12/17/07 16:27	MEM	SW 6010B
Zinc	**0.348**	QB-01, B	mg/L	0.002	12/17/07 16:27	MEM	SW 6010B
Benzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Bromobenzene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Bromochloromethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-02**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Bromodichloromethane	<5.00		ug/L	5.00	12/12/07 16:33	AR	SW 8260B
Bromoform	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Bromomethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
n-Butylbenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
sec-Butylbenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
tert-Butylbenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Carbon Tetrachloride	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Chlorobenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Chloroethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Chloroform	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Chloromethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
2-Chlorotoluene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
4-Chlorotoluene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Dibromochloromethane	<5.00		ug/L	5.00	12/12/07 16:33	AR	SW 8260B
1,2-Dibromo-3-chloropropane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
1,2-Dibromoethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Dibromomethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,3-Dichlorobenzene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Dichlorodifluoromethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,1-Dichloroethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
1,2-Dichloroethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,1-Dichloroethene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,2-Dichloropropane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
1,3-Dichloropropane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
2,2-Dichloropropane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
1,1-Dichloropropene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
cis-1,3-Dichloropropene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
trans-1,3-Dichloropropene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Ethylbenzene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Hexachlorobutadiene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Isopropylbenzene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
4-Isopropyltoluene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Methyl-tert-Butyl Ether	**4.05**		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Methylene Chloride	<10.0		ug/L	10.0	12/12/07 16:33	AR	SW 8260B
Naphthalene	<5.00		ug/L	5.00	12/12/07 16:33	AR	SW 8260B

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-02**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
n-Propylbenzene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Styrene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,1,2,2-Tetrachloroethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Tetrachloroethene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Toluene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,2,3-Trichlorobenzene	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
1,2,4-Trichlorobenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,1,1-Trichloroethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,1,2-Trichloroethane	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
Trichloroethene	**2.38**		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Trichlorofluoromethane	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,2,3-Trichloropropane	<5.00		ug/L	5.00	12/12/07 16:33	AR	SW 8260B
1,2,4-Trimethylbenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
1,3,5-Trimethylbenzene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B
Vinyl chloride	<5.00		ug/L	5.00	12/12/07 16:33	AR	SW 8260B
m,p-Xylenes	<2.00		ug/L	2.00	12/12/07 16:33	AR	SW 8260B
o-Xylene	<1.00		ug/L	1.00	12/12/07 16:33	AR	SW 8260B

Extracted 12/14/07 by Separatory Funnel Extraction for SW 8270C.

Acenaphthene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Acenaphthylene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Anthracene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Benzo (a) anthracene	<2.00		ug/L	2.00	12/19/07 10:56	AR	SW 8270C
Benzo (a) pyrene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Benzo (b) fluoranthene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Benzo (g,h,i) perylene	<10.0		ug/L	10.0	12/19/07 10:56	AR	SW 8270C
Benzo (k) fluoranthene	<10.0		ug/L	10.0	12/19/07 10:56	AR	SW 8270C
4-Bromophenyl phenyl ether	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Butyl benzyl phthalate	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
4-Chloroaniline	<10.0		ug/L	10.0	12/19/07 10:56	AR	SW 8270C
Bis(2-chloroethoxy)methane	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Bis(2-chloroethyl)ether	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
2-Chloronaphthalene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
4-Chlorophenyl phenyl ether	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Chrysene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Dibenz (a,h) anthracene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Dibenzofuran	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-02**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Di-n-butyl phthalate	**23.6**	B	ug/L	5.00	12/19/07 10:56	AR	SW 8270C
1,2-Dichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
1,4-Dichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
1,3-Dichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
3,3´-Dichlorobenzidine	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Diethyl phthalate	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Dimethyl phthalate	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
2,4-Dinitrotoluene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
2,6-Dinitrotoluene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Di-n-octyl phthalate	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	**10.8**		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Fluoranthene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Fluorene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Hexachlorobenzene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Hexachlorobutadiene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Hexachlorocyclopentadiene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Hexachloroethane	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Isophorone	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
2-Methylnaphthalene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Naphthalene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
3-Nitroaniline	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
2-Nitroaniline	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
4-Nitroaniline	<10.0		ug/L	10.0	12/19/07 10:56	AR	SW 8270C
Nitrobenzene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
N-Nitrosodiphenylamine	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
N-Nitrosodi-n-propylamine	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Phenanthrene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
Pyrene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C
1,2,4-Trichlorobenzene	<5.00		ug/L	5.00	12/19/07 10:56	AR	SW 8270C

SOUTH MALL ANALYTICAL LABS, INC.

Lab ID Number: **0712079-02**

Analyte	Results	Qual	Units	RL	Analyzed	By	Method
Extracted 12/14/07 by Separatory Funnel Extraction for SW 8081.							
alpha-BHC	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
alpha-Chlordane	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
beta-BHC	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Aldrin	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
gamma-BHC (Lindane)	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
gamma-Chlordane	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Heptachlor	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Heptachlor epoxide	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
delta-BHC	<0.01		ug/L	0.01	12/18/07 15:23	AR	SW 8081
Endosulfan I	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endosulfan II	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endosulfan sulfate	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endrin	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endrin aldehyde	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Endrin ketone	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
4,4´-DDD	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
4,4´-DDE	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
4,4´-DDT	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Methoxychlor	<0.10		ug/L	0.10	12/18/07 15:23	AR	SW 8081
Dieldrin	<0.05		ug/L	0.05	12/18/07 15:23	AR	SW 8081
Chlordane (technical)	<0.10		ug/L	0.10	12/18/07 15:23	AR	SW 8081
Toxaphene	<0.10		ug/L	0.10	12/18/07 15:23	AR	SW 8081
Extracted 12/14/07 by Separatory Funnel Extraction for SW 8082.							
Aroclor 1016	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1221	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1232	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1242	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1248	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1254	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082
Aroclor 1260	<0.400		ug/L	0.400	12/18/07 15:17	AR	SW 8082

References & Qualifiers

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004

QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QB-01 - The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

B - Analyte is found in the associated blank as well as in the sample.

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Joseph P. Shaulys

APPENDIX-F

LABORATORY DATA DELIVERABLES FOR SOIL VAPOR ANALYTICAL DATA

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Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Report Date: 11/19/2013
Client Project ID: 225-227 Boerum St. Brooklyn, NY
York Project (SDG) No.: 13K0403

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

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Report Date: 11/19/2013
Client Project ID: 225-227 Boerum St. Brooklyn, NY
York Project (SDG) No.: 13K0403

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Paul Matli

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 12, 2013 and listed below. The project was identified as your project: **225-227 Boerum St. Brooklyn, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13K0403-01	SV-1/Y02	Soil Vapor	11/08/2013	11/12/2013
13K0403-02	SV-2/Y50	Soil Vapor	11/08/2013	11/12/2013
13K0403-03	SV-3/S11	Soil Vapor	11/08/2013	11/12/2013
13K0403-04	OA-1/Y56	Outdoor Ambient Air	11/08/2013	11/12/2013

General Notes for York Project (SDG) No.: 13K0403

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:

Date: 11/19/2013

Benjamin Gulizia
Laboratory Director

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SV-1/Y02** **York Sample ID:** **13K0403-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0403	225-227 Boerum St. Brooklyn, NY	Soil Vapor	November 8, 2013 12:00 am	11/12/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	7.5	7.5	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
108-05-4	Vinyl acetate	ND		ug/m³	10	10	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
79-01-6	Trichloroethylene	ND		ug/m³	7.9	7.9	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	13	13	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	12	12	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
108-88-3	Toluene	**100**		ug/m³	11	11	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
109-99-9	Tetrahydrofuran	ND		ug/m³	8.6	8.6	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
127-18-4	Tetrachloroethylene	**54**		ug/m³	20	20	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
100-42-5	Styrene	ND		ug/m³	12	12	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
115-07-01	Propylene	ND		ug/m³	5.0	5.0	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
622-96-8	p-Ethyltoluene	ND		ug/m³	72	72	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
179601-23-1	p- & m- Xylenes	**53**		ug/m³	25	25	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
95-47-6	o-Xylene	**15**		ug/m³	13	13	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
110-54-3	n-Hexane	**71**		ug/m³	10	10	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
142-82-5	n-Heptane	**35**		ug/m³	12	12	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
75-09-2	Methylene chloride	**13**		ug/m³	10	10	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	11	11	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
108-10-1	4-Methyl-2-pentanone	**61**		ug/m³	12	12	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
67-63-0	Isopropanol	ND		ug/m³	7.2	7.2	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	31	31	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
100-41-4	Ethyl Benzene	**22**		ug/m³	13	13	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
141-78-6	Ethyl acetate	ND		ug/m³	11	11	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
110-82-7	Cyclohexane	**16**		ug/m³	10	10	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	13	13	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	12	12	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
74-87-3	Chloromethane	ND		ug/m³	6.0	6.0	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
67-66-3	Chloroform	ND		ug/m³	14	14	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
75-00-3	Chloroethane	ND		ug/m³	7.7	7.7	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	9.2	9.2	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
75-15-0	Carbon disulfide	**41**		ug/m³	9.1	9.1	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
74-83-9	Bromomethane	ND		ug/m³	11	11	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SV-1/Y02** **York Sample ID:** **13K0403-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0403	225-227 Boerum St. Brooklyn, NY	Soil Vapor	November 8, 2013 12:00 am	11/12/2013

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/m³	30	30	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	18	18	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
100-44-7	Benzyl chloride	ND		ug/m³	15	15	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
71-43-2	Benzene	**30**		ug/m³	9.4	9.4	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
67-64-1	Acetone	**220**		ug/m³	7.0	7.0	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
591-78-6	2-Hexanone	ND		ug/m³	12	12	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
78-93-3	2-Butanone	**48**		ug/m³	8.6	8.6	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	11	11	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	18	18	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	18	18	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
106-99-0	1,3-Butadiene	**100**		ug/m³	13	13	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	14	14	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	20	20	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	14	14	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	12	12	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	18	18	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
95-63-6	1,2,4-Trimethylbenzene	**14**		ug/m³	14	14	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	22	22	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	12	12	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	12	12	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	16	16	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	16	16	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	22	22	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	20	20	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
71-55-6	1,1,1-Trichloroethane	**16**		ug/m³	16	16	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
75-71-8	Dichlorodifluoromethane	**17**		ug/m³	14	14	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	23	23	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	24	24	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	12	12	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD
108-90-7	Chlorobenzene	ND		ug/m³	13	13	28.8	EPA TO-15	11/14/2013 07:30	11/14/2013 19:44	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*77.8 %*	*70-130*

Table of Contents

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SV-2/Y50** **York Sample ID:** **13K0403-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0403	225-227 Boerum St. Brooklyn, NY	Soil Vapor	November 8, 2013 12:00 am	11/12/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	7.9	7.9	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
108-05-4	Vinyl acetate	ND		ug/m³	11	11	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
79-01-6	Trichloroethylene	ND		ug/m³	8.3	8.3	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	14	14	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	12	12	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
108-88-3	Toluene	**17**		ug/m³	12	12	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
109-99-9	Tetrahydrofuran	ND		ug/m³	9.1	9.1	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
127-18-4	Tetrachloroethylene	ND		ug/m³	21	21	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
100-42-5	Styrene	ND		ug/m³	13	13	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
115-07-01	Propylene	ND		ug/m³	5.3	5.3	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
622-96-8	p-Ethyltoluene	ND		ug/m³	76	76	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m³	27	27	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
95-47-6	o-Xylene	ND		ug/m³	13	13	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
110-54-3	n-Hexane	ND		ug/m³	11	11	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
142-82-5	n-Heptane	ND		ug/m³	13	13	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
75-09-2	Methylene chloride	ND		ug/m³	11	11	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	11	11	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	13	13	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
67-63-0	Isopropanol	ND		ug/m³	7.6	7.6	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	33	33	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
100-41-4	Ethyl Benzene	ND		ug/m³	13	13	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
141-78-6	Ethyl acetate	ND		ug/m³	11	11	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
110-82-7	Cyclohexane	ND		ug/m³	11	11	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	14	14	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	12	12	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
74-87-3	Chloromethane	ND		ug/m³	6.4	6.4	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
67-66-3	Chloroform	ND		ug/m³	15	15	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
75-00-3	Chloroethane	ND		ug/m³	8.2	8.2	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	9.7	9.7	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
75-15-0	Carbon disulfide	**13**		ug/m³	9.6	9.6	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
74-83-9	Bromomethane	ND		ug/m³	12	12	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **SV-2/Y50** **York Sample ID:** **13K0403-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0403	225-227 Boerum St. Brooklyn, NY	Soil Vapor	November 8, 2013 12:00 am	11/12/2013

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/m³	32	32	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	19	19	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
100-44-7	Benzyl chloride	ND		ug/m³	16	16	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
71-43-2	Benzene	**9.9**		ug/m³	9.9	9.9	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
67-64-1	Acetone	**68**		ug/m³	7.3	7.3	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
591-78-6	2-Hexanone	ND		ug/m³	13	13	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
78-93-3	2-Butanone	ND		ug/m³	9.1	9.1	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	11	11	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	19	19	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	19	19	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	13	13	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	15	15	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	22	22	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	14	14	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	13	13	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	19	19	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	15	15	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	23	23	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	12	12	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	13	13	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	17	17	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	17	17	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	24	24	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	21	21	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	17	17	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	15	15	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	24	24	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	25	25	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	13	13	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD
108-90-7	Chlorobenzene	ND		ug/m³	14	14	30.4	EPA TO-15	11/14/2013 07:30	11/14/2013 20:24	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*84.7 %*	*70-130*

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Sample Information

Client Sample ID: **SV-2/Y50** **York Sample ID:** **13K0403-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0403	225-227 Boerum St. Brooklyn, NY	Soil Vapor	November 8, 2013 12:00 am	11/12/2013

Sample Information

Client Sample ID: **SV-3/S11** **York Sample ID:** **13K0403-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0403	225-227 Boerum St. Brooklyn, NY	Soil Vapor	November 8, 2013 12:00 am	11/12/2013

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.36	0.36	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
79-01-6	Trichloroethylene	ND		ug/m³	0.27	0.27	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
108-88-3	Toluene	**0.69**		ug/m³	0.38	0.38	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
109-99-9	Tetrahydrofuran	ND		ug/m³	0.30	0.30	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
127-18-4	Tetrachloroethylene	ND		ug/m³	0.69	0.69	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
115-07-01	Propylene	ND		ug/m³	0.18	0.18	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
622-96-8	p-Ethyltoluene	ND		ug/m³	2.5	2.5	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.88	0.88	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
95-47-6	o-Xylene	ND		ug/m³	0.44	0.44	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
110-54-3	n-Hexane	ND		ug/m³	0.36	0.36	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
142-82-5	n-Heptane	ND		ug/m³	0.42	0.42	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
75-09-2	Methylene chloride	ND		ug/m³	0.35	0.35	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.37	0.37	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
67-63-0	Isopropanol	ND		ug/m³	0.25	0.25	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
100-41-4	Ethyl Benzene	ND		ug/m³	0.44	0.44	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
141-78-6	Ethyl acetate	ND		ug/m³	0.37	0.37	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
110-82-7	Cyclohexane	ND		ug/m³	0.35	0.35	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD

YORK
ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: SV-3/S11 **York Sample ID:** 13K0403-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0403	225-227 Boerum St. Brooklyn, NY	Soil Vapor	November 8, 2013 12:00 am	11/12/2013

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/m³	0.21	0.21	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
67-66-3	Chloroform	ND		ug/m³	0.50	0.50	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
75-00-3	Chloroethane	ND		ug/m³	0.27	0.27	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
56-23-5	Carbon tetrachloride	**0.45**		ug/m³	0.32	0.32	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.32	0.32	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	0.63	0.63	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.53	0.53	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
71-43-2	Benzene	**0.32**		ug/m³	0.32	0.32	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
67-64-1	Acetone	**1.5**		ug/m³	0.24	0.24	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
591-78-6	2-Hexanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
78-93-3	2-Butanone	ND		ug/m³	0.30	0.30	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.37	0.37	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.44	0.44	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.50	0.50	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.71	0.71	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.47	0.47	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.50	0.50	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.75	0.75	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	0.57	0.57	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	0.78	0.78	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.50	0.50	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD

Sample Information

Client Sample ID: **SV-3/S11** **York Sample ID:** **13K0403-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0403	225-227 Boerum St. Brooklyn, NY	Soil Vapor	November 8, 2013 12:00 am	11/12/2013

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.78	0.78	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	0.82	0.82	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	0.42	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.47	0.47	1	EPA TO-15	11/14/2013 07:30	11/14/2013 21:04	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*82.4 %*	*70-130*

Sample Information

Client Sample ID: **OA-1/Y56** **York Sample ID:** **13K0403-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0403	225-227 Boerum St. Brooklyn, NY	Outdoor Ambient Air	November 8, 2013 3:00 pm	11/12/2013

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.36	0.36	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
79-01-6	Trichloroethylene	ND		ug/m³	0.27	0.27	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
108-88-3	Toluene	**11**		ug/m³	0.38	0.38	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
109-99-9	Tetrahydrofuran	**1.9**		ug/m³	0.30	0.30	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
127-18-4	Tetrachloroethylene	**3.0**		ug/m³	0.69	0.69	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
100-42-5	Styrene	**0.52**		ug/m³	0.43	0.43	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
115-07-01	Propylene	**5.2**		ug/m³	0.18	0.18	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
622-96-8	p-Ethyltoluene	ND		ug/m³	2.5	2.5	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
179601-23-1	p- & m- Xylenes	**8.8**		ug/m³	0.88	0.88	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
95-47-6	o-Xylene	**3.3**		ug/m³	0.44	0.44	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
110-54-3	n-Hexane	**3.2**		ug/m³	0.36	0.36	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
142-82-5	n-Heptane	**1.7**		ug/m³	0.42	0.42	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
75-09-2	Methylene chloride	**3.1**		ug/m³	0.35	0.35	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.37	0.37	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD

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Sample Information

Client Sample ID: **OA-1/Y56** **York Sample ID:** **13K0403-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0403	225-227 Boerum St. Brooklyn, NY	Outdoor Ambient Air	November 8, 2013 3:00 pm	11/12/2013

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
67-63-0	Isopropanol	ND		ug/m³	0.25	0.25	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
100-41-4	Ethyl Benzene	**2.7**		ug/m³	0.44	0.44	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
141-78-6	Ethyl acetate	ND		ug/m³	0.37	0.37	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
110-82-7	Cyclohexane	**0.91**		ug/m³	0.35	0.35	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.46	0.46	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
74-87-3	Chloromethane	**1.6**		ug/m³	0.21	0.21	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
67-66-3	Chloroform	**0.65**		ug/m³	0.50	0.50	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
75-00-3	Chloroethane	ND		ug/m³	0.27	0.27	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
56-23-5	Carbon tetrachloride	**1.2**		ug/m³	0.32	0.32	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.32	0.32	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	0.63	0.63	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.53	0.53	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
71-43-2	Benzene	**2.9**		ug/m³	0.32	0.32	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
67-64-1	Acetone	**17**		ug/m³	0.24	0.24	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
591-78-6	2-Hexanone	ND		ug/m³	0.42	0.42	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
78-93-3	2-Butanone	**3.3**		ug/m³	0.30	0.30	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.37	0.37	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.44	0.44	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
108-67-8	1,3,5-Trimethylbenzene	**0.75**		ug/m³	0.50	0.50	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.71	0.71	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.47	0.47	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.61	0.61	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
95-63-6	1,2,4-Trimethylbenzene	**1.6**		ug/m³	0.50	0.50	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.75	0.75	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD

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ANALYTICAL LABORATORIES INC

Sample Information

Client Sample ID: **OA-1/Y56** **York Sample ID:** **13K0403-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13K0403	225-227 Boerum St. Brooklyn, NY	Outdoor Ambient Air	November 8, 2013 3:00 pm	11/12/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.41	0.41	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	**2.5**		ug/m³	0.57	0.57	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	**1.3**		ug/m³	0.78	0.78	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
75-71-8	Dichlorodifluoromethane	**4.1**		ug/m³	0.50	0.50	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.78	0.78	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	0.82	0.82	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	0.42	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.47	0.47	1	EPA TO-15	11/14/2013 07:30	11/14/2013 13:03	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.4 %*	*70-130*

Notes and Definitions

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record - AIR

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 13K0403

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Hydrotech	Company: S	Company: S	225-227 Bocum St Brooklyn, NY	RUSH - Same Day ☐	Summary Report ____
Address: 15 Oleen Ave Brooklyn NY	Address: A	Address: A	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary ____
Phone No. 718-638-0800	Phone No. M	Phone No. M		RUSH - Two Day ☐	CT RCP Package ____
Contact Person: Paul Mathy	Attention: E	Attention: E		RUSH - Three Day ☐	NY ASP A Package ____
E-Mail Address: PMathy@hitecnc.net	E-Mail Address:	E-Mail Address:	Samples from: CT___ NY ✓ NJ___	RUSH - Four Day ☐	NY ASP B/CLP Pkg ____
				Standard ~~(5-7 Days)~~ 4 day ☐	NJDEP Reduced ____
					Electronic Deliverables:
					EDD (Specify Type) ____
					Standard Excel ____
					Regulatory Comparison Excel ____

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Carlo Quinonez
Name (printed)

Air Matrix Codes

- AI - INDOOR Ambient Air
- AO- OUTDOOR Amb. Air
- AE- Vapor Extraction Well/ Process Gas/Effluent
- AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses

EPA TO-15 List	EPA TO-14A List
NYSDEC VI list	Tentatively Identified Compounds
NYSDEC STARS List	Air VPH
Project Specific List by TO-15	Helium
NJDEP Target List	Methane
CTDEP RCP Target List	OTHER_____

Detection Limits Required

- ≤ 1 ug/m³ ____
- NYSDEC VI Limits____ (VI = vapor intrusion)
- NJDEP low level ____
- Routine Survey ____
- Other_____

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum Afer Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SV-1/402	11/8/13	AS	-30	15	TO + 15	6 Liter Summa canister ✓ Tedlar Bag
SV-2/450	↓	AS	-26	21	↓	6 Liter Summa canister ✓ Tedlar Bag
SV-3/511	↓	AS	-30	22	↓	6 Liter Summa canister ✓ Tedlar Bag
OA-1/456	↓	AO	-30	13	↓	6 Liter Summa canister ✓ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag

Comments

Samples Relinquished By: [signature] Date/Time: 11/12/13 1:30 pm

Samples Relinquished By: ____ Date/Time: ____

Samples Received By: K Barker Date/Time: 11/12/13 1:30 PM

Samples Received in LAB by: P Face Date/Time: 11-12-13 1800

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225-227 BOERUM STREET

BROOKLYN, NEW YORK

Remedial Action Work Plan

NYC BCP Number: 14CVCP221K
OER Project Number 14RHAZ180K

Prepared for:

DJS Real Estate Development
750 3rd Avenue, 9th Floor
New York, NY 10017
david@djsrealestate.com

Prepared by:

Hydro Tech Environmental, Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, New York 11225
Phone: (718) 636-0800

January 13, 2014

REMEDIAL ACTION WORK PLAN

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Appendix 1: Citizen Participation Plan
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Appendix 3: Soil/Materials Management Plan
Appendix 4: Vapor Barrier Design Specifications
Appendix 5: Construction Health and Safety Plan

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AS/SVE	Air Sparging/Soil Vapor Extraction
BOA	Brownfield Opportunity Area
CAMP	Community Air Monitoring Plan
C/D	Construction/Demolition
COC	Certificate of Completion
CQAP	Construction Quality Assurance Plan
CSOP	Contractors Site Operation Plan
DCR	Declaration of Covenants and Restrictions
ECs/ICs	Engineering and Institutional Controls
HASP	Health and Safety Plan
IRM	Interim Remedial Measure
BCA	Brownfield Cleanup Agreement
MNA	Monitored Natural Attenuation
NOC	Notice of Completion
NYC BCP	New York City Brownfield Cleanup Program
NYC DEP	New York City Department of Environmental Protection
NYC DOHMH	New York State Department of Health and Mental Hygiene
NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
ORC	Oxygen-Release Compound
OSHA	United States Occupational Health and Safety Administration
PE	Professional Engineer

PID	Photo Ionization Detector
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
RAOs	Remedial Action Objectives
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan or Plan
RCA	Recycled Concrete Aggregate
RD	Remedial Design
RI	Remedial Investigation
RMZ	Residual Management Zone
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SVOC	Semi-Volatile Organic Compound
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

CERTIFICATION

I, Shaik A. Saad, am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the 225-227 Boerum Street Site, (OER Project No. 14RHAZ180K and NYC VCP Site No. 14CVCP221K).

I, Mark E. Robbins am a Qualified Environmental Professional as defined in §43-140. I have primary direct responsibility for implementation of the remedial action for the 225-227 Boerum Street Site, (OER Project No. 14RHAZ180K and NYC VCP Site No. 14CVCP221K).

I certify that this Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

Shaik A. Saad

Name

071078

NYS PE License Number

Signature

1/13/14

Date

PE Stamp

Mark E. Robbins

QEP Name

QEP Signature

Date

EXECUTIVE SUMMARY

DJS Real Estate Development has applied to enroll in the New York City Voluntary Brownfield Cleanup Program (NYC VCP) to investigate and remediate a 5,559-square feet site located at 225-227 Boerum Street (aka 83 Bushwick Place) in East Williamsburg section of Brooklyn. A remedial investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP). The remedial action described in this document provides for the protection of public health and the environment consistent with the intended property use, complies with applicable environmental standards, criteria and guidance and conforms with applicable laws and regulations.

Site Location and Current Usage

The Site is located at 225-227 Boerum Street (aka 83 Bushwick Place) in East Williamsburg section of Brooklyn, New York and is identified as Block 3073 and Lot 97 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 5,559-square feet and is bounded by Bushwick Place to the west, Boerum Street to the south, a 2-story residential building to the east, and a 2-story warehouse to the north. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and undeveloped.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 4-story residential building with 20 dwelling units and a full cellar. The building will be identified as 83 Bushwick Place, Brooklyn NY. The proposed development will encompass the entire property footprints for a total gross floor area of approximately 13,191 square feet. The cellar at the site will consist of a mechanical space and a parking garage. The elevation of the cellar slab will be set at approximately 11.49 feet below grade or 10 feet below the first floor slab. The cellar slab will be approximately 6 inches in thickness and it will be installed on top of a 6-inch gravel bed.

Summary of the Remedy

The proposed remedial action achieves protection of public health and the environment for the intended use of the property. The proposed remedial action achieves all of the remedial action objectives established for the project and addresses applicable standards, criterion, and

guidance; is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants; is cost effective and implementable; and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1- Preparation of a Community Protection Statement and performance of all required NYC VCP citizen participation activities according to an approved Citizen Participation Plan (CPP);

2- Performance of a Community Air Monitoring Program for particulates and volatile organic carbon compounds.

3- Establishment of Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs).

4- Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas;

5- Excavation and removal of soil/fill exceeding Track 4 SCOs. Planned development-based excavation will be to a depth of approximately 12 feet in the cellar area across the building footprint;

6- Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID. Appropriate segregation of excavated media onsite;

7- Removal of USTs (if encountered) and closure of petroleum spills (if evidence of a spill/leak is encountered during Site excavation) in compliance with applicable local, State, and Federal laws and regulations;

8- Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite;

9- Collection and analysis of end-point samples to determine the performance of the remedy with respect to attainment of SCOs.

10- Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.

11- Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.

12- Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.

13- Submission of a Remedial action report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, and describes all Engineering and Institutional Controls to be implemented at the Site, and lists any changes from this RAWP.

If Track 1 is not achieved, the following construction elements will be implemented as Engineering and Institutional Controls:

14- As part of development, installation of a vapor barrier beneath the building slabs and behind the foundation walls of the proposed building. 46-mil Preprufe 300R waterproofing membrane by Grace will be installed beneath the footing slab. The vapor barrier will be extended up to grade level by attaching it to the exterior sides of foundation walls using 32-mil Preprufe 160R waterproofing membrane or 62.5 mil Grace Bituthene 4000 membrane.

15- As part of development, construction and maintenance of an engineered composite cover consisting of 6 inch thick concrete slab across the footprint of the new building installed on top of a 6 inch gravel bed;

16- As part of development, installation of a sub-grade air exchange and ventilation system in the parking cellar in accordance with the NYC Department Of Building's Code;

17- Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.

18- The property will continue to be registered with an E-Designation at the NYC Buildings Department. Establishment of Engineering Controls and Institutional Controls; and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

COMMUNITY PROTECTION STATEMENT

The Office of Environmental Remediation created the New York City Voluntary Cleanup Program (NYC VCP) to provide governmental oversight for the cleanup of contaminated property in NYC. This Remedial Action Work Plan ("cleanup plan") describes the findings of prior environmental studies that show the location of contamination at the site, and describes the plans to clean up the site to protect public health and the environment.

This cleanup plan provides a very high level of protection for neighboring communities and also includes many other elements that address common community concerns, such as community air monitoring, odor, dust and noise controls, hours of operation, good housekeeping and cleanliness, truck management and routing, and opportunities for community participation. The purpose of this Community Protection Statement is to explain these community protection measures in non-technical language to simplify community review.

Remedial Investigation and Cleanup Plan. Under the NYC VCP, a thorough cleanup study of this property (called a remedial investigation) has been performed to identify past property usage, to sample and test soils, groundwater and soil vapor, and identify contaminant sources present on the property. The cleanup plan has been designed to address all contaminant sources that have been identified during the study of this property.

Identification of Sensitive Land Uses. Prior to selecting a cleanup, the neighborhood was evaluated to identify sensitive land uses nearby, such as schools, day care facilities, hospitals and residential areas. The cleanup program was then tailored to address the special conditions of this community.

Qualitative Human Health Exposure Assessment. An important part of the cleanup planning for the Site is the performance of a study to find all of the ways that people might come in contact with contaminants at the Site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment has considered all known contamination at the Site and evaluated the potential for people to come in contact with this contamination. All identified public exposures will be addressed under this cleanup plan.

Health and Safety Plan. This cleanup plan includes a Construction Health and Safety Plan (CHASP) that is designed to protect community residents and on-Site workers. The elements of this plan are in compliance with safety requirements of the United States Occupational Safety and Health Administration (OSHA). This plan includes many protective elements including those discussed below.

Site Safety Coordinator. This project has a designated Site safety coordinator to implement the Health and Safety Plan. The safety coordinator maintains an emergency contact sheet and protocol for management of emergencies. The Site safety coordinator is Paul I. Matli and can be reached at 718-636-0800.

Worker Training. Workers participating in cleanup of contaminated material on this project are required to be trained in a 40-hour hazardous waste operators training course and to take annual refresher training. This pertains to workers performing specific tasks including removing contaminated material and installing cleanup systems in contaminated areas.

Community Air Monitoring Plan. Community air monitoring will be performed during this cleanup project to ensure that the community is properly protected from contaminants, dust and odors. Air samples will be tested in accordance with a detailed plan called the Community Air Monitoring Plan or CAMP. Results will be regularly reported to the NYC Office of Environmental Remediation. This cleanup plan also has a plan to address any unforeseen problems that might occur during the cleanup (called a 'Contingency Plan').

Odor, Dust and Noise Control. This cleanup plan includes actions for odor and dust control. These actions are designed to prevent off-Site odor and dust nuisances and includes steps to be taken if nuisances are detected. Generally, dust is managed by application of physical covers and by water sprays. Odors are controlled by limiting the area of open excavations, physical covers, spray foams and by a series of other actions (called operational measures). The project is also required to comply with NYC noise control standards. If you observe problems in these areas, please contact the onsite Project Manager Paul I. Matli at 718-636-0800 or NYC Office of Environmental Remediation Project Manager Samantha Morris at 212-341-2082.

Quality Assurance. This cleanup plan requires that evidence be provided to illustrate that all cleanup work required under the plan has been completed properly. This evidence will be

summarized in the final report, called the Remedial Action Report. This report will be submitted to the NYC Office of Environmental Remediation and will be thoroughly reviewed.

Storm-Water Management. To limit the potential for soil erosion and discharge, this cleanup plan has provisions for storm-water management. The main elements of the storm water management include physical barriers such as tarp covers and erosion fencing, and a program for frequent inspection.

Hours of Operation. The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency. For this cleanup project, the hours of operation are 7:00 AM to 5:00 PM.

Signage. While the cleanup is in progress, a placard will be prominently posted at the main entrance of the property with a laminated project Fact Sheet that states that the project is in the NYC Voluntary Cleanup Program, provides project contact names and numbers, and locations of project documents can be viewed.

Complaint Management. The contractor performing this cleanup is required to address all complaints. If you have any complaints, you can call the facility Project Manager Paul I. Matli at 718-636-0800 or pmatli@hydrotechenvironmental.com, the NYC Office of Environmental Remediation Project Manager Samantha Morris at 212-341-2082. and SMorris@dep.nyc.gov, or call 311 and mention the Site is in the NYC Voluntary Cleanup Program.

Utility Mark-outs. To promote safety during excavation in this cleanup, the contractor is required to first identify all utilities and must perform all excavation and construction work in compliance with NYC Department of Buildings regulations.

Soil and Liquid Disposal. All soil and liquid material removed from the Site as part of the cleanup will be transported and disposed of in accordance with all applicable City, State and Federal regulations and required permits will be obtained.

Soil Chemical Testing and Screening. All excavations will be supervised by a trained and properly qualified environmental professional. In addition to extensive sampling and chemical testing of soils on the Site, excavated soil will be screened continuously using hand-held

instruments, by sight, and by smell to ensure proper material handling and management, and community protection.

Stockpile Management. Soil stockpiles will be kept covered with tarps to prevent dust, odors and erosion. Stockpiles will be frequently inspected. Damaged tarp covers will be promptly replaced. Stockpiles will be protected with silt fences. Hay bales will be used, as needed to protect storm water catch basins and other discharge points.

Trucks and Covers. Loaded trucks leaving the Site will be covered in compliance with applicable laws and regulations to prevent dust and odor. Trucks will be properly recorded in logs and records and placarded in compliance with applicable City, State and Federal laws, including those of the New York State Department of Transportation. If loads contain wet material that can leak, truck liners will be used. All transport of materials will be performed by licensed truckers and in compliance with all laws and regulations.

Imported Material. All fill materials proposed to be brought onto the Site will comply with rules outlined in this cleanup plan and will be inspected and approved by a qualified worker located on-Site. Waste materials will not be brought onto the Site. Trucks entering the Site with imported clean materials will be covered in compliance with applicable laws and regulations.

Equipment Decontamination. All equipment used for cleanup work will be inspected and washed, if needed, before it leaves the Site. Trucks will be cleaned at a truck inspection station on the property before leaving the Site.

Housekeeping. Locations where trucks enter or leave the Site will be inspected every day and cleaned regularly to ensure that they are free of dirt and other materials from the Site.

Truck Routing. Truck routes have been selected to: (a) limit transport through residential areas and past sensitive nearby properties; (b) maximize use of city-mapped truck routes; (c) limit total distance to major highways; (d) promote safety in entry to highways; (e) promote overall safety in trucking; and (f) minimize off-Site line-ups (queuing) of trucks entering the property. Operators of loaded trucks leaving the Site will be instructed not to stop or idle in the local neighborhood.

Final Report. The results of all cleanup work will be fully documented in a final report (called a Remedial Action Report) that will be available for you to review in the public document repositories located at Bushwick Library located at 340 Bushwick Ave, New York, New York 11206.

Long-Term Site Management. If long-term protection after the cleanup is complete, the property owner will be required to comply with an ongoing Site Management Plan (if Track 1 is not achieved) that calls for continued inspection of protective controls, such as Site covers. The Site Management Plan is evaluated and approved by the NYC Office of Environmental Remediation. Requirements that the property owner must comply with are defined in the property's deed or established through a city environmental designation. A certification of continued protectiveness of the cleanup will be required from time to time to show that the approved cleanup is still effective.

REMEDIAL ACTION WORK PLAN

1.0 SITE BACKGROUND

DJS Real Estate Development has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a property located at 225-227 Boerum Street (aka 83 Bushwick Place) in East Williamsburg section of Brooklyn, New York (the "Site"). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP) in a manner that will render the Site protective of public health and the environment consistent with the contemplated end use. This RAWP establishes remedial action objectives, provides a remedial alternatives analysis that includes consideration of a permanent cleanup, and provides a description of the selected remedial action. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 225-227 Boerum Street (aka 83 Bushwick Place) in East Williamsburg section of Brooklyn, New York and is identified as Block 3073 and Lot 97 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 5,559-square feet and is bounded by Bushwick Place to the west, Boerum Street to the south, a 2-story residential building to the east, and a 2-story warehouse to the north. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and undeveloped.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of a 4-story residential building with 20 dwelling units and a full cellar. The building will be identified as 83 Bushwick Place, Brooklyn NY. The proposed development will encompass the entire property footprints for a total gross floor area of approximately 13,191 square feet. The cellar at the site will consist of a mechanical space and a parking garage. The elevation of the cellar slab will be set at approximately 11.49

feet below grade or 10 feet below the first floor slab. The cellar slab will be approximately 6 inches in thickness and it will be installed on top of a 6-inch gravel bed.

Layout of the proposed site development is presented in Figure 3. The current zoning designation is M1-1 manufacturing district. The BSA will permit the proposed use upon approval of a Zoning Variance.

The remedial action contemplated under this RAWP may be implemented independently of the proposed redevelopment plan.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The Site is located in a residential, commercial and light manufacturing/industrial neighborhood. A 2-story residential building bounds the Site to the east, a 2-story warehouse bounds the Site to north. A parking lot is located across the western vicinity of the Site and multiple residential buildings and a light manufacturing facility are located across the southern vicinity.

Within 500 feet radius of the Site, there are a variety of land uses including: residential (multi-story residential apartments), commercial, light manufacturing/industrial, vacant lots, parking, public transportation storage yard, public educational institution (Brooklyn Latin High School – PS 147) and open space. Properties located within 1/4-mile radius of the Site are zoned R6, R6A, R7A (residential districts), C1-3, C2-3 (commercial district) and M1-1 and M1-2 (light manufacturing and industrial district). Within 250 feet radius of the Site, one sensitive receptor identified as an outdoor recreational facility owned by the Board of Education is located in the southwestern vicinity of the Site. No other sensitive receptors were identified. Figure 4 shows the surrounding land usage.

1.4 REMEDIAL INVESTIGATION

A remedial investigation was performed and the results are documented in a companion document called "*Remedial Investigation Report*, 225-227 Boerum Street", dated December 2013 (RIR).

The Site is located at 225-227 Boerum Street (aka 83 Bushwick Place) in East Williamsburg section of Brooklyn, New York and is identified as Block 3073 and Lot 97 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 5,559-square feet and is bounded by Bushwick Place to the west, Boerum Street to the south, a 2-story residential building to the east, and a 2-story warehouse to the north. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and undeveloped.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 4-story residential building with 20 dwelling units and a full cellar. The building will be identified as 83 Bushwick Place, Brooklyn NY. The proposed development will encompass the entire property footprints for a total gross floor area of approximately 13,191 square feet. The cellar at the site will consist of a mechanical space and a parking garage. The elevation of the cellar slab will be set at approximately 11.49 feet below grade or 10 feet below the first floor slab. The cellar slab will be approximately 6 inches in thickness and it will be installed on top of a 6-inch gravel bed.

Layout of the proposed site development is presented in Figure 3. The current zoning designation is M1-1 manufacturing district. The BSA will permit the proposed use upon approval of a Zoning Variance.

Summary of Past Uses of Site and Areas of Concern

Based upon the review of the Fire Insurance Maps and Regulatory Agency documents from the Phase I Environmental Site Assessment (ESA) Report prepared by Merritt Engineering Consultants, P.C. in January 2005, a Site history was established. The Site was utilized as a residential facility between 1933 and 1951 and mixed use residential and store facility between 1965 and 1981. The Site was vacant and undeveloped between 1992 and 1995 and was utilized as a parking lot in 2005. The Site has been vacant since 2007.

The AOCs identified for this site include:

1. Historic fill material present throughout the Site from surface to the depths of 8 feet.

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a Ground Penetrating Radar (GPR) survey;
3. Installed five (5) soil borings across the entire project Site, and collected ten (10) soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed two (2) groundwater probes throughout the Site and collected two (2) groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed three (3) soil vapor probes around Site perimeter and collected three (3) samples for chemical analysis;
6. One (1) outdoor air sample was collected for chemical analysis.

Summary of Environmental Findings

1- No anomalies consistent with USTs were identified at the Site by the GPR survey.

2- Elevation of the property ranges is approximately 24 feet.

3- Depth to groundwater ranges from 20 to 21 feet at the Site.

4- Groundwater flow is generally from east to west in the direction of the East River.

5- Depth to bedrock is in excess of 10 feet at the Site.

6- The stratigraphy of the site, from the surface down, consists of historic fill with variable thickness ranging between zero and 8 feet (brown fine grained sand with varying amounts of bricks and pebbles). The fill layer is underlain by a layer of sand to variable depths ranging from 2 to 10 feet bgs (brown fine to coarse grained sand with varying amount of pebbles)

7- Soil/fill samples collected during the RI show trace levels of one VOC, isoptopyltoluene in one shallow soil sample at a concentration below Track 1 Unrestricted Use SCO (UUSCO). No PCE or TCE were detected in any shallow or deep soil samples. SVOC's including benzo(a)pyrene (max. of 1.14 parts per million (ppm)), benzo(b)fluoranthene (max. of 1.07 ppm) and indeno(1,2,3-cd) pyrene (max. of 0.977 ppm) were detected in two deep and one shallow samples, at concentrations that exceeded Restricted Residential SCOs. One pesticide, 4,4, DDT (0.0525 ppm), was detected in 1 of 5 shallow soil samples and in 1 of 5 deep samples at concentrations that exceeded Unrestricted Use SCOs. There were no PCBs detected in any of ten soil samples. Several Metals exceeded Unrestricted Use SCOs in shallow and deep soils at the Site and included barium (maximum of 454 ppm), lead (maximum of 421 ppm), zinc (maximum of 241 ppm) and mercury (maximum of 1.58 ppm). Barium, lead and mercury also exceeded Restricted Residential SCOs in shallow soils. Only lead exceeded Restricted Residential SCOs in one deep sample (6-8' depths). Overall soil chemistry was unremarkable and does not indicate disposal of waste.

8- Groundwater samples collected during the RI show one chlorinated VOC, TCE (max. 10.7 µg/L) exceeding NYSDEC 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). A gasoline VOC, methyl tert-butyl ether was detected in 1 groundwater sample below its GQS. One SVOCs, bis(2-ethylhexyl)phthalate (max 10.8 µg/L) was detected in the 2 groundwater samples at concentrations exceeding GQS. No pesticide or PCBs were detected in any groundwater samples. Dissolved metals were not analyzed during the RI investigation. Several total metals exceeded their respective GQS.

9- Soil vapor samples collected during the RI show a wide range of compounds throughout the property including BTEX and associated petroleum related compounds as well as chlorinated hydrocarbons. BTEX and associated derivatives were found in all 3 soil vapor samples. The concentration of these compounds ranged from 0.69 ug/m^3 to 100 ug/m^3. These compounds were not detected in the soil or groundwater samples collected beneath the property and are not believed to be associated with an on-site source area. Among the chlorinated compounds, PCE was detected in 1 of 3 vapor samples at a concentration of 54 ug/m^3 and 1,1,1-TCA was also detected in 1 of 3 vapor samples at a concentration of 16 ug/m^3. Other chlorinated hydrocarbon compounds that were

identified in soil vapor samples included carbon tetrachloride (0.45 ug/m^3), methylene chloride (13 ug/m^3) and acetone (maximum 220 ug/m^3). The NYSDOH has established AGVs for three of the chlorinated VOCs analyzed: PCE, 111-TCA, and methylene chlorideThe PCE and TCA concentrations are below the monitoring level ranges established within the State DOH soil vapor guidance matrix.

10- An outdoor air sample collected during the RI showed BTEX and associated compounds was detected at a maximum of 11 ug/m^3 and chlorinated compounds including PCE, chloroform, methylene chloride and carbon tetrachloride were detected at a maximum concentration of 3.1 ug/m^3. Acetone was the most abundant in the outdoor air sample and it was detected at a maximum concentration of 17 ug/m^3.

For more detailed results, consult the RIR. Based on an evaluation of the data and information from the RIR and this RAWP, disposal of significant amounts of hazardous waste is not suspected at this site.

2.0 REMEDIAL ACTION OBJECTIVES

Based on the results of the RI, the following Remedial Action Objectives (RAOs) have been identified for this Site:

Groundwater

- Prevent direct exposure to contaminated groundwater.
- Prevent exposure to contaminants volatilizing from contaminated groundwater.

Soil

- Prevent direct contact with contaminated soil.
- Prevent exposure to contaminants volatilizing from contaminated soil.
- Prevent migration of contaminants that would result in groundwater contamination.

Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into dwelling and other occupied structures.

3.0 REMEDIAL ALTERNATIVES ANALYSIS

The goal of the remedy selection process is to select a remedy that is protective of human health and the environment taking into consideration the current, intended and reasonably anticipated future use of the property. The remedy selection process begins by establishing remedial action objectives (RAOs) for media in which chemical constituents were found in exceedance of applicable standards, criteria and guidance values (SCGs). A remedy is then developed based on the following ten criteria:

- Protection of human health and the environment;
- Compliance with SCGs;
- Short-term effectiveness and impacts;
- Long-term effectiveness and permanence;
- Reduction of toxicity, mobility, or volume of contaminated material;
- Implementability;
- Cost effectiveness;
- Community Acceptance;
- Land use; and
- Sustainability.

The following is a detailed description of the alternatives analysis and remedy selection to address impacted media at the Site. As required, a minimum of two remedial alternatives (including a Track 1 scenario) are evaluated, as follows:

Alternative 1 involves:

- Establishment of Unrestricted Use (Track 1) Soil Cleanup Objective (SCOs);
- Removal of all soil/ fill exceeding Unrestricted Use SCOs throughout the Site. This alternative would require excavation to a depth of approximately 8 feet below grade across the entire site to remove all historic fill. If soil/fill containing analytes at concentrations above Unrestricted Use SCOs is still present at the base of the excavation after removal of all soil required for construction of the new building's cellar level is complete, additional excavation will be performed to ensure complete removal of soil that does not meet Track 1 Unrestricted Use SCOs.

- No Engineering or Institutional Controls are required for a Track 1 cleanup, but a vapor barrier would be installed beneath the new building foundations as part of construction to prevent any potential future exposures from off-Site soil vapor; and
- As part of new development, a final cover will be placed over the entire Site.

Alternative 2 involves:

- Establishment of site-specific Track 4 SCOs;
- Removal of all soil/ fill exceeding Track 4 Site-Specific SCOs. This would require excavation to a depth of approximately 8 feet below grade across the entire site to remove all historic fill. For development purposes, entire footprint of property will be excavated to a depth of 12 feet below grade for the layout of cellar foundations and confirmation that the site-specific Track 4 SCOs have been achieved through post-excavation end point sampling;
- Placement of a final cover over the entire site to eliminate exposure to remaining soil/fill;
- Placement of a vapor barrier beneath the building slab and along foundation side walls to grade to prevent soil vapor entering the new building;
- Establishment of use restrictions including prohibitions on the use of groundwater from the site and prohibitions on sensitive site uses, such as farming or vegetable gardening, to eliminate future exposure pathways;
- Establishment of an approved Site Management Plan to ensure long-term management of these engineering and institutional controls including the performance of periodic inspections and certification that the controls are performing as they were intended; and
- The property will continue to be registered with an E-Designation at the NYC Buildings Department.

3.1 THRESHOLD CRITERIA

Protection of Public Health and the Environment

This criterion is an evaluation of the remedy's ability to protect public health and the environment, and an assessment of how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, and

implementation of Engineering Controls or Institutional Controls. Protection of public health and the environment must be achieved for all approved remedial actions.

Alternative 1 would be protective of human health and the environment by removing the historic fill at the Site, thus eliminating potential for direct contact with contaminated soil/ fill once construction is complete and eliminating the risk of contaminants leaching into groundwater.

Alternative 2 would achieve comparable protections of human health and the environment by excavating the historic fill at the Site and by ensuring that remaining soil/fill on-Site meets Track 4 Site-Specific SCOs, as well as by placement of Institutional and Engineering controls, including a composite cover system, vapor barrier and sub-grade ventilated garage. The composite cover system would prevent direct contact with any remaining on-Site soil/fill. Implementing institutional controls including a site management plan and continued "E" designation of property would ensure that the composite cover system remains intact and protective. Establishment of Track 4 Site-Specific SCOs would minimize the risk of contamination leaching into groundwater.

For both Alternatives, potential exposure to contaminated soils or groundwater during construction would be minimized by implementing a Construction Health and Safety Plan, a Soil and Materials Management Plan and Community Air Monitoring Plan (CAMP). Potential contact with contaminated groundwater is not anticipated, and would be prevented during construction and the remedial action as its use is prohibited by city laws and regulations. Potential future migration of off-Site soil vapors into the new building would be prevented by installing a vapor barrier system below the new building's basement slab and continuing the vapor barrier around foundation walls as part of new construction. In addition, the presence of a ventilation and aeration system in the parking cellar garage would prohibit soil vapor entering the new building.

3.2. BALANCING CRITERIA

Compliance with Standards, Criteria and Guidance (SCGs)

This evaluation criterion assesses the ability of the alternative to achieve applicable standards, criteria and guidance.

Alternative 1 would achieve compliance with the remedial goals, chemical specific SCGs and RAOs for soil through removal to achieve Track 1 Unrestricted Use SCOs and Groundwater Protection Standards. Compliance with SCGs for soil vapor would also be achieved by installing a vapor barrier system below the new building's cellar slab and continuing the vapor barrier around foundation walls, as part of development. In addition, the presence of a ventilated garage at cellar level would prohibit soil vapor entering the new building.

Alternative 2 would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil through removal of soil to meet Track 4 SCOs. Compliance with SCGs for soil vapor would also be achieved by installing a vapor barrier below the new building's cellar slab and continuing the vapor barrier around foundation walls and through construction of a ventilated garage at cellar level. A Site Management Plan would ensure that these controls remained protective for the long term.

Health and safety measures contained in the CHASP and Community Air Monitoring Plan (CAMP) that comply with the applicable SCGs shall be implemented during Site redevelopment under this RAWP. For both alternatives, focused attention on means and methods employed during the remedial action would ensure that handling and management of contaminated material would be in compliance with applicable SCGs. These measures will protect on-site workers and the surrounding community from exposure to Site-related contaminants.

Short-term effectiveness and impacts

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase until remedial action objectives are met. Under this criterion, alternatives are evaluated with respect to their effects on public health and the environment during implementation of the remedial action, including protection of the community, environmental impacts, time until remedial response objectives are achieved, and protection of workers during remedial actions.

Both Alternatives 1 and 2 have similar-short term effectiveness during their respective implementations, as each requires excavation of historic fill material to a depth of more than 8

feet below ground surface. Both alternatives would result in short-term dust generation impacts associated with excavation, handling, load out of materials, and truck traffic. Short term impacts could potentially be higher for Alternative 1 if excavation of greater amounts of historical fill material is encountered below the excavation depth of the proposed building. However, focused attention to means and methods during the remedial action during a Track 1 removal action, including community air monitoring and appropriate truck routing, would minimize or negate the overall impact of these activities.

An additional short-term adverse impact and risks to the community associated with both remedial alternatives is increased truck traffic. Approximately 125, 25-ton capacity truck trips would be necessary to transport fill and soil excavated during Site development. Truck traffic will be routed on the most direct course using major thoroughfares where possible and flaggers will be used to protect pedestrians at Site entrances and exits.

Both alternatives would employ appropriate measures to prevent short-term impacts, including a Construction Health and Safety Plan (CHASP), a Community Air Monitoring Plan (CAMP) and a Soil/Materials Management Plan (SMMP), during all on-Site soil disturbance activities and would minimize the release of contaminants into the environment. Both alternatives provide short-term effectiveness in protecting the surrounding community by decreasing the risk of contact with on-Site contaminants. Construction workers operating under appropriate management procedures and a CHASP will be protected from on-Site contaminants (personal protective equipment would be worn consistent with the documented risks within the respective work zones).

Long-term effectiveness and permanence

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual contamination remaining at the Site after response objectives have been met, such as permanence of the remedial alternative, magnitude of remaining contamination, adequacy of controls including the adequacy and suitability of ECs/ICs that may be used to manage contaminant residuals that remain at the Site and assessment of containment systems and ICs that are designed to eliminate exposures to contaminants, and long-term reliability of Engineering Controls.

Alternative 1 would achieve long-term effectiveness and permanence by permanently removing all impacted soil/fill material and enabling unrestricted usage of the property. Removal of on-Site contaminant sources will prevent future groundwater contamination.

Alternative 2 would provide long-term effectiveness by removing most on-site contamination and attaining Track 4 Site-Specific SCOs, establishing a composite cover system across the Site, establishing use restrictions, establishing a Site Management Plan (SMP) to ensure long-term management of Institutional Controls (ICs) and Engineering Controls (ECs), and continued E designation of property to memorialize these controls for the long term. Establishment of an SMP will ensure that this protection remains effective for the long-term. The SMP will ensure long-term effectiveness of all ECs and ICs by requiring periodic inspection and certification that these controls and use restrictions continue to be in place and are functioning as they were intended assuring that protections designed into the remedy will provide continued high level of protection in perpetuity.

Both alternatives would result in removal of soil contamination exceeding the SCOs providing the highest level, most effective and permanent remedy over the long-term with respect to a remedy for contaminated soil, which will eliminate any migration to groundwater.

Reduction of toxicity, mobility, or volume of contaminated material

This evaluation criterion assesses the remedial alternative's use of remedial technologies that permanently and significantly reduce toxicity, mobility, or volume of contaminants as their principal element. The following is the hierarchy of source removal and control measures that are to be used to remediate a Site, ranked from most preferable to least preferable: removal and/or treatment, containment, elimination of exposure and treatment of source at the point of exposure. It is preferred to use treatment or removal to eliminate contaminants at a Site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminants mobility, or reduce of total volume of contaminated media.

Alternative 1 would permanently eliminate the toxicity, mobility, and volume of contaminants from on-site soil by meeting Track 1 Unrestricted Use SCOs.

Alternative 2 would permanently eliminate the toxicity, mobility, and volume of contaminants from on-Site soil excavated for development purposes, and any remaining soil/fill

would meet Track 4 Site-Specific SCOs. Alternative 1 would eliminate a greater total mass of contaminants on Site.

Implementability

This evaluation criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation, including technical feasibility of construction and operation, reliability of the selected technology, ease of undertaking remedial action, monitoring considerations, administrative feasibility (e.g. obtaining permits for remedial activities), and availability of services and materials.

Both Track 1 and Track 4 cleanup alternatives are feasible and implementable. The techniques, materials and equipment to implement both remedial alternatives are readily available and have been proven effective in remediating the contaminants associated with the Site. They use standard materials and services that are well established technology. The reliability of each remedy is also high. There are no special difficulties associated with any of the activities proposed.

Cost effectiveness

This evaluation criterion addresses the cost of alternatives, including capital costs (such as construction costs, equipment costs, and disposal costs, engineering expenses) and site management costs (costs incurred after remedial construction is complete) necessary to ensure the continued effectiveness of a remedial action.

Since historic fill at the Site was found during the RI to only extend to a depth of up to 8 feet below grade, and the new building requires excavation of the entire Site to a depth of more than 11 feet, the costs associated with both Alternative 1 and Alternative 2 will likely be the comparable. However, the long-term costs are higher for Alternative 2 than Alternative 1 based on implementation of a Site Management Plan as part of Alternative 2. In both cases, appropriate public health and environmental protections are achieved.

The remedial plan creates an approach that combines the remedial action with the redevelopment of the Site, including the construction of the building foundation and subgrade structures. The remedial plan is also cost effective in that it will take into consideration the

selection of the closest and most appropriate disposal facilities to reduce transportation and disposal costs during the excavation of historic fill and other soils during the redevelopment of the Site.

Community Acceptance

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAWP.

Both of the alternatives for the Site would provide a remedial action that is protective of public health and the environment and would be safe to achieve and should be acceptable to the community. This RAWP will be subject to and undergo public review under the NYC VCP and will provide the opportunity for detailed public input on the remedial alternatives and the selected remedial action. This public comment will be considered by OER prior to approval of this plan. A Citizen Participation Plan is provided in Appendix 1.

Land use

This evaluation criterion addresses the proposed use of the property. This evaluation has considered reasonably anticipated future uses of the Site and takes into account: current use and historical and/or recent development patterns; applicable zoning laws and maps; NYS Department of State's Brownfield Opportunity Areas (BOA) pursuant to section 970-r of the general municipal law; applicable land use plans; proximity to real property currently used for residential use, and to commercial, industrial, agricultural, and/or recreational areas; environmental justice impacts, Federal or State land use designations; population growth patterns and projections; accessibility to existing infrastructure; proximity of the site to important cultural resources and natural resources, potential vulnerability of groundwater to contamination that might emanate from the site, proximity to flood plains, geography and geology; and current Institutional Controls applicable to the site.

The proposed redevelopment of the Site is compatible with its current M1-1 manufacturing district. The BSA will permit the proposed residential use of the Site upon approval of a Zoning Variance. Following remediation, the Site will meet either Track 1 Unrestricted Use or Track 4 Site-Specific SCOs, both of which are appropriate for its planned residential use. Improvements in the current environmental condition of the property achieved by both alternatives are also

consistent with the City's goals for cleanup of contaminated land, making them safer and bringing such properties into productive reuse. Both alternatives are equally protective of natural resources and cultural resources.

Sustainability of the Remedial Action

This criterion evaluates the overall sustainability of the remedial action alternatives and the degree to which sustainable means are employed to implement the remedial action including those that take into consideration NYC's sustainability goals defined in *PlaNYC: A Greener, Greater New York.* Sustainability goals may include: maximizing the recycling and reuse of non-virgin materials; reducing the consumption of virgin and non-renewable resources; minimizing energy consumption and greenhouse gas emissions; improving energy efficiency; and promotion of the use of native vegetation and enhancing biodiversity during landscaping associated with Site development. A sustainability statement is provided in Appendix 2.

Both Alternative 1 and Alternative 2 would potentially result in similar energy usage based on the potentially equal volume of material transported off-Site. Both remedial alternatives are comparable with respect to the opportunity to achieve sustainable remedial action. A complete list of green remedial activities considered as part of the NYC VCP is included in the Sustainability Statement, included as Appendix C.

4.0 REMEDIAL ACTION

4.1 SUMMARY OF PREFERRED REMEDIAL ACTION

The preferred remedial action alternative is Track 4 Alternative. The preferred remedial action alternative achieves protection of public health and the environment for the intended use of the property. The preferred remedial action alternative will achieve all of the remedial action objectives established for the project and addresses applicable SCGs. The preferred remedial action alternative is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants. The preferred remedial action alternative is cost effective and implementable and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1- Preparation of a Community Protection Statement and performance of all required NYC VCP citizen participation activities according to an approved Citizen Participation Plan (CPP);

2- Performance of a Community Air Monitoring Program for particulates and volatile organic carbon compounds.

3- Establishment of Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs).

4- Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas;

5- Excavation and removal of soil/fill exceeding Track 4 SCOs. Planned development-based excavation will be to a depth of approximately 12 feet in the cellar area across the building footprint;

6- Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID. Appropriate segregation of excavated media onsite;

7- Removal of USTs (if encountered) and closure of petroleum spills (if evidence of a spill/leak is encountered during Site excavation) in compliance with applicable local, State, and Federal laws and regulations;

8- Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite;

9- Collection and analysis of end-point samples to determine the performance of the remedy with respect to attainment of SCOs.

10- Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.

11- Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.

12- Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.

13- Submission of a Remedial action report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, and describes all Engineering and Institutional Controls to be implemented at the Site, and lists any changes from this RAWP.

If Track 1 is not achieved, the following construction elements will be implemented as Engineering and Institutional Controls:

14- As part of development, installation of a vapor barrier beneath the building slabs and behind the foundation walls of the proposed building. 46-mil Preprufe 300R waterproofing membrane by Grace will be installed beneath the footing slab. The vapor barrier will be extended up to grade level by attaching it to the exterior sides of foundation walls using 32-mil Preprufe 160R waterproofing membrane or 62.5 mil Grace Bituthene 4000 membrane.

15- As part of development, construction and maintenance of an engineered composite cover consisting of 6 inch thick concrete slab across the footprint of the new building installed on top of a 6 inch gravel bed;

16- As part of development, installation of a sub-grade air exchange and ventilation system in the parking cellar in accordance with the NYC Department Of Building's Code;

17- Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.

18- The property will continue to be registered with an E-Designation at the NYC Buildings Department. Establishment of Engineering Controls and Institutional Controls; and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

4.2 SOIL CLEANUP OBJECTIVES AND SOIL/FILL MANAGEMENT

Track 1 Soil Cleanup Objectives (SCOs) are proposed for this project. The SCOs for this Site are listed in Table 1. If Track 1 is not achieved, the following Track 4 Site-Specific SCOs will be used:

Contaminant	**Track 4 SCOs**
Total SVOCs	100 ppm
Lead	800 ppm
Mercury	2.0 ppm
Barium	750 ppm

Soil and materials management on-Site and off-Site, including excavation, handling and disposal, will be conducted in accordance with the Soil/Materials Management Plan in Appendix 3. The location of planned excavations is shown in Figure 5.

Discrete contaminant sources (such as hotspots) identified during the remedial action will be identified by GPS or surveyed. This information will be provided in the Remedial Action Report.

Estimated Soil/Fill Removal Quantities

The total quantity of soil/fill expected to be excavated and disposed off-Site is 3,075 tons.

Disposal facilities will be reported to OER when they are identified and prior to the start of remedial action.

End-Point Sampling

Removal actions under this plan will be performed in conjunction with remedial end-point sampling. Post-excavation end-point sampling and testing will be performed promptly following materials removal and completed prior to Site development activities. To evaluate attainment of Track 1 - Unrestricted Use SCOs, samples will be collected and analyzed for SVOCs, TAL Metals, and Pesticides that exceeded Track 1 SCOs. For comparison to Track 4 Site-Specific SCOs, analytes will only include trigger compounds and elements established on the Track 4 Site-Specific SCO list. The approximate collection location of the six endpoint soil samples is shown on Figure 6. The end-point sampling and testing will be performed promptly following excavation and be completed prior to any site development activities.

For hotspot removal, including the area of elevated SVOCs and metals, end point sampling frequency will consist of the following:

1. For excavations less than 20 feet in total perimeter, at least one bottom sample and one sidewall sample biased in the direction of surface runoff.

2. For excavations 20 to 300 feet in perimeter:

    - For surface removals, one sample from the top of each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.

    - For subsurface removals, one sample from each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.

3. For sampling of volatile organics, bottom samples should be taken within 24 hours of excavation, and should be taken from the zero to six-inch interval at the excavation floor. Samples taken after 24 hours should be taken at six to twelve inches.

4. For contaminated soil removal, post remediation soil samples for laboratory analysis should be taken immediately after contaminated soil removal. If the excavation is enlarged horizontally, additional soil samples will be taken pursuant to bullets 1-3 above.

Post-remediation end-point sample locations and depth will be biased towards the areas and depths of highest contamination identified during previous sampling episodes unless field indicators such as field instrument measurements or visual contamination identified during the remedial action indicate that other locations and depths may be more heavily contaminated. In all cases, post-remediation samples should be biased toward locations and depths of the highest expected contamination.

New York State ELAP certified labs would be used for all confirmation and end-point sample analyses. Labs performing confirmation and end-point sample analyses will be reported in the RAR. The RAR will provide a tabular and map summary of all confirmation and end-point sample results and will include all data including non-detects and applicable standards and/or guidance values. End-point samples will be Confirmation samples will be analyzed for compounds and elements as described above utilizing the following methodology:

Soil analytical methods will include:

- Volatile organic compounds by EPA Method 8260;
- Semi-volatile organic compounds by EPA Method 8270;
- Target Analyte List metals; and
- Pesticides/PCBs by EPA Method 8081/8082.

If either LNAPL and/or DNAPL are detected, appropriate samples will be collected for characterization and “finger print analysis” and required regulatory reporting (i.e. spills hotline) will be performed.

Quality Assurance/Quality Control

The fundamental QA objective with respect to accuracy, precision, and sensitivity of analysis for laboratory analytical data is to achieve the QC acceptance of the analytical protocol. The accuracy, precision and completeness requirements will be addressed by the laboratory for all data generated.

Field QA/QC will include the following procedures:

- Calibration of field equipment, including PID, on a daily basis;
- Use of dedicated and/or disposable field sampling equipment;
- Proper sample handling and preservation;
- Proper sample chain of custody documentation; and
- Completion of report logs.

The above procedures will be executed as follows:

- Disposable sampling equipment will be used to minimize cross-contamination between samples;
- For each of the parameters analyzed, a sufficient sample volume will be collected to adhere to the specific analytical protocol, and provide sufficient sample for reanalysis if necessary;
- Because plasticizers and other organic compounds inherent in plastic containers may contaminate samples requiring organic analysis, samples will be collected in glass containers;
- Appropriate sample preservation techniques, including cold temperature storage at 4º C, will be utilized to ensure that the analytical parameters concentrations do not change between the time of sample collection and analysis; and
- Samples will be analyzed prior to the expiration of the respective holding time for each analytical parameter to ensure the integrity of the analytical results.

Import and Reuse of Soils

Import of soils onto the property and reuse of soils already onsite will be performed in conformance with the Soil/Materials Management Plan in Appendix 3. The estimated quantity of soil to be imported into the Site for backfill and cover soil is 200 tons. The estimated quantity of onsite soil/fill expected to be reused/relocated on Site is 100 tons.

4.3 ENGINEERING CONTROLS

The excavation required for the proposed Site development will achieve Track 1 Unrestricted Use SCOs. No Engineering Controls are required to address residual contamination at the Site. However, the following elements will be incorporated into the foundation design as part of the development: composite cover system, soil vapor barrier and a sub-grade ventilation and air exchange system. If Track 1 is not achieved, these three elements will constitute Engineering Controls that will be employed in the remedial action to address residual contamination remaining at the Site.

Composite Cover System

Exposure to residual soil/fill will be prevented by an engineered, composite cover system to be built on the Site. The entire property will be covered by an engineered permanent cover system comprised of:

- Structural 6-inch slab foundation beneath the building footprint

The composite cover system is a permanent engineering control for the Site. The system will be inspected and reported at specified intervals as required by this RAWP and the SMP. A Soil Management Plan will be included in the Site Management Plan and will outline the procedures to be followed in the event that the composite cover system and underlying residual soil/fill is disturbed after the remedial action is complete. Maintenance of this composite cover system will be described in the Site Management Plan in the RAR.

Vapor Barrier

Migration of soil vapor will be mitigated with a combination of building structural slab and a vapor barrier system. In order to prevent subsurface vapors from impacting the interior air of

the building at the Site, a vapor barrier system consisting of a 46-mil Preprufe 300R waterproofing membrane will be installed beneath the footing slab. The vapor barrier will be extended up to grade level by attaching it to the exterior sides of foundation walls using 32-mil Preprufe 160R waterproofing membrane or 62.5 mil Grace Bituthene 4000 membrane. The vapor barrier will be installed according to manufacturer specifications.

The Remedial Action Report will include photographs (maximum of two photos per page) of the installation process, PE/RA certified letter (on company letterhead) from primary contractor responsible for installation oversight and field inspections, and a copy of the manufacturers certificate of warranty. The certifying P.E. will certify that the two proposed materials, sourced from two separate companies, are compatible and will provide a protective mitigative engineering control that will prevent vapor intrusion of soil gas contaminants into the indoor space of the proposed building. Appendix 4 provides a vapor barrier design and specifications.

Sub- Grade Air Exchange and Ventilation System

Since there is sub-grade parking that will be mechanically vented in accordance with NYCDOB Code, there is no need for a sub-slab depressurization system (SSD) as the mechanical ventilation will provide appropriate ventilation for sub-grade parking. An air exchange system will be installed in the parking garage occupying the cellar area to provide continuous ventilation of the parking area. The air exchange system will be specified to provide an exhaust capacity compatible with NYC building code. Exhaust air will be discharged via a venting stack mounted 4 feet above rooftop. Specifications of the ventilation system will be provided to OER when selected and prior to the start of remedial action.

4.4 INSTITUTIONAL CONTROLS

Institutional Controls are not required on sites that achieve Track 1 Remedial Action. If Track 1 SCOs are not achieved, Institutional Controls (IC) will be utilized in this remedial action to manage residual soil/fill and other media and render the Site protective of public health and the environment. Institutional Controls are listed below. Long-term employment of EC/ICs will be implemented under a site-specific Site Management Plan (SMP) that will be included in the RAR. The property will continue to be registered with an E-Designation at the NYC Buildings Department.

Institutional Controls for this remedial action are:

- Continued registration of the E-Designation for the property. This RAWP includes a description of all ECs and ICs, and summarizes the requirements of the Site Management Plan which will note that the property owner and property owner's successors and assigns must comply with the approved SMP;
- Submittal of a Site Management Plan in the RAR for approval by OER that provides procedures for appropriate operation, maintenance, monitoring, inspection, reporting and certification of ECs. SMP will require that the property owner and property owner's successors and assigns will submit to OER a periodic written statement that certifies that: (1) controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by OER; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. OER retains the right to enter the Site in order to evaluate the continued maintenance of any controls. This certification shall be submitted at a frequency to be determine by OER in the SMP and will comply with RCNY §43-1407(l)(3).
- Vegetable gardens and farming on the Site are prohibited in contact with residual soil materials;
- Use of groundwater underlying the Site is prohibited without treatment rendering it safe for its intended use;
- All future activities on the Site that will disturb residual material must be conducted pursuant to the soil management provisions in an approved SMP;
- The Site will be used residential use and will not be used for a higher level of use without prior approval by OER.

4.5 SITE MANAGEMENT PLAN

Site Management is not required on sites that achieve Track 1 Remedial Action. However, if Track 1 Unrestricted Use SCOs are not achieved, Site Management will be performed and will

be the last phase of remediation and begins with the approval of the Remedial Action Report and issuance of the Notice of Completion (NOC) for the Remedial Action. The Site Management Plan (SMP) describes appropriate methods and procedures to ensure implementation of all ECs and ICs that are required by this RAWP. The Site Management Plan is submitted as part of the RAR but will be written in a manner that allows its use as an independent document. Site Management continues until terminated in writing by OER. The property owner is responsible to ensure that all Site Management responsibilities defined in the Site Management Plan are implemented.

The SMP will provide a detailed description of the procedures required to manage residual soil/fill left in place following completion of the remedial action in accordance with the Voluntary Cleanup Agreement with OER. This includes a plan for: (1) implementation of EC's and ICs; (2) implementation of monitoring programs; (3) operation and maintenance of EC's; (4) inspection and certification of EC's; and (5) reporting.

Site management activities, reporting, and EC/IC certification will be scheduled on a periodic basis to be established in the SMP and will be subject to review and modification by OER. The Site Management Plan will be based on a calendar year and certification reports will be due for submission to OER by July 31 of the year following the reporting period.

4.6 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

The objective of the qualitative exposure assessment is to identify potential receptors and pathways for human exposure to the contaminants of concern (COC) that are present at, or migrating from, the Site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur.

Investigations reported in the Remedial Investigation Report (RIR) are sufficient to complete a Qualitative Human Health Exposure Assessment (QHHEA). As part of the VCP process, a QHHEA was performed to determine whether the Site poses an existing or future health hazard to the Site's exposed or potentially exposed population. The sampling data from the RI were evaluated to determine whether there is any health risk by characterizing the exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. This QHHEA was

prepared in accordance with Appendix 3B and Section 3.3 (b) 8 of the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation.

Known and Potential Sources

Historic fill material is present at the Site at variable depths ranging in thickness from zero to 8 feet. Based on the results of the RIR, the contaminants of concern found are:

Soil

- SVOCs including benzo(a)pyrene, benzo(b)fluorontene, and indeno(1,2,3-cd)pyrene exceeded Restricted Residential SCOs;
- Metals, including lead and mercury exceeded Restricted Residential SCOs; and
- Pesticide including DDT was identified but did not exceed Restricted Residential SCOs.

Groundwater

- One VOC, TCE exceeded GQS;
- One SVOC, bis(2-ethylexyl) phthalate exceeded GQS;
- Total metals including copper, beryllium, cadmium, lead and chromium exceeded GQS.

Soil vapor

- Chlorinated VOCs including PCE, 1,1,1-TCA, methylene chloride, carbon tetrachloride and acetone were detected at low to moderate concentrations; and
- Petroleum VOCs detected at low to moderate concentrations.

Nature, Extent, Fate and Transport of Contaminants

SVOCs, pesticides and metals are present in the historic fill materials throughout the Site at shallow and deep depths. One VOC and one SVOC detected in groundwater were not identified in on-site soil. Metal contaminant found in groundwater are most likely linked to regional impacts, as 1 of 5 detected compounds were not found in deep onsite soil at levels exceeding groundwater protection standard. The VOCs that were identified in soil gas at low to moderate concentrations were not found in on-Site soil and reflect off-site sources.

Potential Routes of Exposure

The five elements of an exposure pathway are: (1) a contaminant source; (2) contaminant release and transport mechanisms; (3) a point of exposure; (4) a route of exposure; and (5) a receptor population. An exposure pathway is considered complete when all five elements of an exposure pathway are documented. A potential exposure pathway exists when any one or more of the five elements comprising an exposure pathway cannot be documented. An exposure pathway may be eliminated from further evaluation when any one of the five elements comprising an exposure pathway has not existed in the past, does not exist in the present, and will never exist in the future. Three potential primary routes exist by which chemicals can enter the body:

- Ingestion of fill or soil;
- Inhalation of vapors and particulates; and
- Dermal contact with water, fill and soil.

Existence of Human Health Exposure

Existing – The Site is undeveloped, vacant and uncapped. Therefore, exposure to surficial soil/fill material is possible. Groundwater is not exposed at the Site, and because the Site is served by the public water supply, groundwater is not used at the Site. There are no structures on Site where soil vapor could accumulate.

Construction/ Remediation Activities – Once redevelopment activities begin, construction workers will come into direct contact with surface and subsurface soils as a result of on-Site construction/excavation activities. Similarly, off-Site receptors could be exposed to dust from onsite activities. During construction, on-Site and off-Site exposures to contaminated dust from on-Site will be addressed through dust controls, and through the implementation of the Community Air Monitoring Plan and a Construction Health and Safety Plan. Groundwater is not anticipated to be encountered, and there will be no structures on site where soil vapor could accumulate.

Proposed Future Conditions – Once the remedial actions and redevelopment of the Site have been completed, there will be no potential onsite exposure pathways. Not only will historic fill

be removed, but the Site will also be fully capped with the concrete building slab, which will prevent contact with any residual soils. Any exposures to vapors from off-site sources will be prevented by installation of a vapor barrier, a building slab and an ventilation and air exchange system in the parking cellar.

Receptor Populations

The immediate area is mixed use residential/commercial/light industrial, and is anticipated to remain as such. The new building at the site will be utilized as a residential facility. Potential receptor populations are as follows:

On-Site Receptors - The Site is currently vacant. Therefore, the only potential on-Site receptors are Site representatives, trespassers and visitors granted access to the property. During redevelopment of the Site, the on-Site potential receptors will include construction workers, site representatives, and visitors. Once the Site is redeveloped, the on-Site potential sensitive receptors will include adult and child residents.

Off-Site Receptors - Potential offsite receptors within a 0.25-mile radius of the Site include: adult and child residents, commercial, industrial and construction workers, pedestrians, trespassers, and cyclists, based on the following:

1. Commercial Businesses (up to 0.25 mile) – existing and future
2. Light Industrial (up to 0.25 mile) – existing and future
3. Residential Buildings (up to 0.25 mile) – existing and future
4. Building Construction/Renovation (up to 0.25 mile) – existing and future
5. Pedestrians, Trespassers, Cyclists (up to .25 mile) – existing and future
6. Schools (up to .25 mile) – existing and future
7. Community (up to .25 mile) – existing and future

Overall Human Health Exposure Assessment

Based upon this analysis, complete on-site exposure pathways appear to be present only during the current unremediated phase and the remedial action phase. Under current conditions, on-Site exposure pathways are minimized by preventing access to the Site. During the remedial

action, on-site exposure pathways will be eliminated by preventing access to the Site, through implementation of soil/materials management, storm water pollution prevention, dust controls, employment of a community air monitoring plan, and implementation of a Construction Health and Safety Plan. After the remedial action is complete, there will be no remaining exposure pathways to on-Site soil/ fill, as all soil that exceeds Track 1 Unrestricted Use SCOs will have been removed, and the vapor barrier, concrete building slab and the ventilation and aeration system in parking cellar will interrupt potential for soil vapor intrusion and vapor build-up inside the building.

5.0 REMEDIAL ACTION MANAGEMENT

5.1 PROJECT ORGANIZATION AND OVERSIGHT

Principal personnel who will participate in the remedial action include Paul I. Matli, Project Geologist and Rachel Ataman, Vice President of Technical Services. The Professional Engineer (PE) and Qualified Environmental Professionals (QEP) for this project are Shaik A. Saad and Mark E. Robbins, respectively.

5.2 SITE SECURITY

The Applicant will control site access of the fenced property through gated entrances. Barriers will be installed around work areas as needed to delineate and restrict access to the work area. For work areas of limited size, barrier tape will be sufficient to delineate and restrict access. For larger worker areas, temporary fencing will be provided.

5.3 WORK HOURS

The hours for operation of remedial construction will be from 7.00 AM to 5:00 PM. These hours conform to the New York City Department of Buildings construction code requirements.

5.4 CONSTRUCTION HEALTH AND SAFETY PLAN

The Health and Safety Plan is included in Appendix 5. The Site Safety Coordinator will be Paul I. Matli. Remedial work performed under this RAWP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the HASP and applicable laws and regulations. The HASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice of Completion.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour

refresher training. Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the HASP and be required to sign an HASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the HASP. That document will define the specific project contacts for use in case of emergency.

5.5 COMMUNITY AIR MONITORING PLAN

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedences of action levels observed during performance

of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

5.6 AGENCY APPROVALS

All permits or government approvals required for remedial construction have been or will be obtained prior to the start of remedial construction. Approval of this RAWP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

5.7 SITE PREPARATION

Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the Site with all parties involved in the remedial process prior to the start of remedial construction activities.

Mobilization

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed incompliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Markout Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAWP. The integrity and safety of on-Site and off-Site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAWP.

Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations.

Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the site will not track soil, fill or debris off-Site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

Truck Inspection Station

An outbound-truck inspection station will be set up close to the Site exit. Before exiting the NYC VCP Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

Extreme Storm Preparedness and Response Contingency Plan

Damage from flooding or storm surge can include dislocation of soil and stockpiled materials, dislocation of site structures and construction materials and equipment, and dislocation of support of excavation structures. Damage from wind during an extreme storm event can create unsafe or unstable structures, damage safety structures and cause downed power lines creating dangerous site conditions and loss of power. In the event of emergency conditions caused by an extreme storm event, the enrollee will undertake the following steps for site preparedness prior to the event and response after the event.

Storm Preparedness

Preparations in advance of an extreme storm event will include the following: containerized hazardous materials and fuels will be removed from the property; lose materials will be secured to prevent dislocation and blowing by wind or water; heavy equipment such as excavators and

generators will be removed from holes, trenches and depressions on the property to high ground or removed from the property; an inventory of the property with photographs will be performed to establish conditions for the site and equipment prior to the event; stockpile covers for soil and fill will be secured by adding weights such as sandbags for added security and worn or ripped stockpile covers will be replaced with competent covers; stockpiled hazardous wastes will be removed from the property; stormwater management systems will be inspected and fortified, including, as necessary: clean and reposition silt fences, haybales; clean storm sewer filters and traps; and secure and protect pumps and hosing.

Storm Response

At the conclusion of an extreme storm event, as soon as it is safe to access the property, a complete inspection of the property will be performed. A site inspection report will be submitted to OER at the completion of site inspection and after the site security is assessed. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. Damage from storm conditions that result in acute public safety threats, such as downed power lines or imminent collapse of buildings, structures or equipment will be reported to public safety authorities via appropriate means such as calling 911. Petroleum spills will be reported to NYS DEC within 2 hours of identification and consistent with State regulations. Emergency and spill conditions will also be reported to OER. Public safety structures, such as construction security fences will be repaired promptly to eliminate public safety threats. Debris will be collected and removed. Dewatering will be performed in compliance with existing laws and regulations and consistent with emergency notifications, if any, from proper authorities. Eroded areas of soil including unsafe slopes will be stabilized and fortified. Dislocated materials will by collected and appropriately managed. Support of excavation structure will be inspected and fortified as necessary. Impacted stockpiles will be contained and damaged stockpile covers will be replaced. Storm-water control systems and structures will be inspected and maintained as necessary. If soil or fill materials are discharged off site to adjacent properties, property owners and OER will be notified and corrective measure plan designed to remove and clean dislocated material will be submitted to OER and implemented following approval by OER and granting of site access by the property owner. Impacted offsite areas may require characterization based on site conditions, at the discretion of OER. If onsite petroleum spills are identified, a qualified environmental

professional will determine the nature and extent of the spill and report to NYS DEC's spill hotline at DEC 800-457-7362. If the source of the spill is ongoing and can be identified, it should be stopped it this can be done safely. Potential hazards will be addressed immediately, consistent with guidance issued by NYS DEC.

Storm Response Reporting

A site inspection report will be submitted to OER at the completion of site inspection. An inspection report established by OER is available on OER's website (www.nyc.gov/oer) and will be used for this purpose. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. The site inspection report will be sent to the OER project manager and will include the site name, address, tax block and lot, site primary and alternate contact name and phone number. Damage and soil release assessment will include: whether the project had stockpiles; whether stockpiles were damaged; photographs of damage and notice of plan for repair; report of whether soil from the site was dislocated and whether any of the soil left the site; estimates of the volume of soil that left the site, nature of impact, and photographs; description of erosion damage; description of equipment damage; description of damage to the remedial program or the construction program, such as damage to the support of excavation; presence of onsite or offsite exposure pathways caused by the storm; presence of petroleum or other spills and status of spill reporting to NYS DEC; description of corrective actions; schedule for corrective actions. This report should be completed and submitted to OER project manager with photographs within 24 hours of the time of safe entry to the property after the storm event.

5.8 TRAFFIC CONTROL

Drivers of trucks leaving the NYC VCP Site with soil/fill will be instructed to proceed without stopping in the vicinity of the site to prevent neighborhood impacts. The planned route on local roads for trucks leaving the site is presented in Figure 6**.**

5.9 DEMOBILIZATION

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);
- Removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;
- Equipment decontamination, and;
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (*e.g.*, soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

5.10 REPORTING AND RECORD KEEPING

Daily Reports

Daily reports providing a general summary of activities for each day of *active remedial work* will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the Site;
- Status of on-Site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP excursions, if any;
- Photograph of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary

mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an Appendix in the Remedial Action Report.

An alpha-numeric site map will be used to identify locations described in reports submitted to OER and is shown in Figure 7.

Record Keeping and Photo-Documentation

Job-site record keeping for all remedial work will be performed. These records will be maintained on-Site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the Site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RAR in digital format (i.e. jpeg files).

5.11 COMPLAINT MANAGEMENT

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

5.12 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

All changes to the RAWP will be reported to the OER Project Manager and will be documented in daily reports and reported in the Remedial Action Report. The process to be followed if there are any deviations from the RAWP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAWP;
- Effect of the deviations on overall remedy; and

- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

6.0 REMEDIAL ACTION REPORT

A Remedial Action Report (RAR) will be submitted to OER following implementation of the remedial action defined in this RAWP. The RAR will document that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The RAR will include:

- Information required by this RAWP;
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy;
- Site Management Plan (if Track 1 is not achieved);
- Description of any changes in the remedial action from the elements provided in this RAWP and associated design documents;
- Tabular summary of all end point sampling results and all material characterization results, QA/QC results for end-point sampling,
- Test results or other evidence demonstrating that remedial systems are functioning properly;
- Account of the source area locations and characteristics of all contaminated material removed from the Site including a map showing source areas;
- Account of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material.
- Account of the origin and required chemical quality testing for material imported onto the Site.
- Continued registration of the property with an E-Designation at the NYC Department of Buildings.
- Reports and supporting material will be submitted in digital form.

Remedial Action Report Certification

The following certification will appear in front of the Executive Summary of the Remedial Action Report. The certification will include the following statements:

I, _____, am currently a professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the Site name Site Site number.

I, _____, am a qualified Environmental Professional. I had primary direct responsibility for implementation remedial program for the Site name Site Site number . (Optional)

I certify that the OER-approved Remedial Action Work Plan dated month day year and Stipulations in a letter dated month day, year; if any were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

7.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER. Currently, a 24-month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAWP	0	-
Fact Sheet 2 announcing start of remedy	0	-
Mobilization	2	1
Remedial Excavation	5	3
Demobilization	24	2
Submit Remedial Action Report	35	2

APPENDIX 1

CITIZEN PARTICIPATION PLAN

The NYC Office of Environmental Remediation and DJS Real Estate Development have established this Citizen Participation Plan because the opportunity for citizen participation is an important component of the NYC Voluntary Cleanup Program. This Citizen Participation Plan describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYC VCP, DJS Real Estate Development will maintain a repository for project documents and provide public notice at specified times throughout the remedial program. This Plan also takes into account potential environmental justice concerns in the community that surrounds the project Site. Under this Citizen Participation Plan, project documents and work plans are made available to the public in a timely manner. Public comment on work plans is strongly encouraged during public comment periods. Work plans are not approved by the NYC Office of Environmental Remediation (OER) until public comment periods have expired and all comments are formally reviewed. An explanation of cleanup plans in the form of a public meeting or informational session is available upon request to OER's project manager assigned to this Site, Shaminder Chawla, who can be contacted about these issues or any others questions, comments or concerns that arise during the remedial process at 212-442-3007 or shaminderc@dep.nyc.gov.

Project Contact List. OER has established a Site Contact List for this project to provide public notices in the form of fact sheets to interested members of the Community. Communications will include updates on important information relating to the progress of the cleanup program at the Site as well as to request public comments on the cleanup plan. The Project Contact List includes owners and occupants of adjacent buildings and homes, principal administrators of nearby schools, hospitals and day care centers, the public water supplier that serves the area, established document repositories, the representative Community Board, City Council members, other elected representatives and any local Brownfield Opportunity Area (BOA) grantee organizations. Any member of the public or organization will be added to the Site Contact List on request. A copy of the Site Contact List is maintained by OER's project

manager. If you would like to be added to the Project Contact List, contact NYC OER at (212) 788-8841 or by email at brownfields@cityhall.nyc.gov.

Repositories. A document repository is maintained in the nearest public library that maintains evening and weekend hours. This document repository is intended to house, for community review, all principal documents generated during the cleanup program including Remedial Investigation plans and reports, Remedial Action work plans and reports, and all public notices and fact sheets produced during the lifetime of the remedial project. DJS Real Estate Development will inspect the repositories to ensure that they are fully populated with project information. The repository for this project is:

New York Public Library – Bushwick Library

340 Bushwick Avenue
Brooklyn, NY 11206
718-602-1348

Monday and Tuesday, Wednesday and Friday: 10:00 AM to 6:00 PM

Thursday: 10:00 PM to 8:00 PM

Sunday and Saturday Closed

Digital Documentation. NYC OER strongly encourages the use of digital documents in repositories as a means of minimizing paper use while also increasing convenience in access and ease of use.

Public Notice and Public Comment. Public notice to all members of the Project Contact List is required at three major steps during the performance of the cleanup program (listed below) and at other points that may be required by OER. Notices will include Fact Sheets with descriptive project summaries, updates on recent and upcoming project activities, repository information, and important phone and email contact information. All notices will be prepared by DJS Real Estate Development, reviewed and approved by OER prior to distribution and mailed by DJS Real Estate Development. Public comment is solicited in public notices for all work plans developed under the NYC Voluntary Cleanup Program. Final review of all work plans by OER will consider all public comments. Approval will not be granted until the public comment period has been completed.

Citizen Participation Milestones. Public notice and public comment activities occur at several steps during a typical NYC VCP project. See flow chart on the following page, which identifies when during the NYC VCP public notices are issued: These steps include:

- **Public Notice of the availability of the Remedial Investigation Report and Remedial Action Work Plan and a 30-day public comment period on the Remedial Action Work Plan.**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the availability of the Remedial Investigation Report and Remedial Action Work Plan and the initiation of a 30-day public comment period on the Remedial Action Work Plan. The Fact Sheet summarizes the findings of the RIR and provides details of the RAWP. The public comment period will be extended an additional 15 days upon public request. A public meeting or informational session will be conducted by OER upon request.

- **Public Notice announcing the approval of the RAWP and the start of remediation**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the approval of the RAWP and the start of remediation.

- **Public Notice announcing the completion of remediation, designation of Institutional and Engineering Controls and issuance of the Notice of Completion**

  Public notice in the form of a fact sheet is sent to all parties listed on the site contact list announcing the completion of remediation, providing a list of all institutional and engineering controls implemented for to the site and announcing the issuance of the notice of completion.

APPENDIX 2

SUSTAINABILITY STATEMENT

This Sustainability Statement documents sustainable activities and green remediation efforts planned under this remedial action.

Reuse of Clean, Recyclable Materials. Reuse of clean, locally-derived recyclable materials reduces consumption of non-renewable virgin resources and can provide energy savings and greenhouse gas reduction.

An estimate of the quantity (in tons) of clean, non-virgin materials (reported by type of material) reused under this plan will be quantified and reported in the RAR.

Reduce Consumption of Virgin and Non-Renewable Resources. Reduced consumption of virgin and non-renewable resources lowers the overall environmental impact of the project on the region by conserving these resources.

An estimate of the quantity (in tons) of virgin and non-renewable resources, the use of which will be avoided under this plan, will be quantified and reported in the RAR.

Reduced Energy Consumption and Promotion of Greater Energy Efficiency. Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings.

Best efforts will be made to quantify energy efficiencies achieved during the remediation and will be reported in the Remedial Action Report (RAR). Where energy savings cannot be easily quantified, a gross indicator of the amount of energy saved or the means by which energy savings was achieved will be reported.

Conversion to Clean Fuels. Use of clean fuel improves NYC's air quality by reducing harmful emissions.

An estimate of the volume of clean fuels used during remedial activities will be quantified and reported in the RAR.

Recontamination Control. Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a property that is less protective of public health or the environment, and may necessitate additional cleanup work later or impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of contamination from off-Site.

An estimate of the area of the Site that utilizes recontamination controls under this plan will be reported in the RAR in square feet.

Storm-water Retention. Storm-water retention improves water quality by lowering the rate of combined storm-water and sewer discharges to NYC's sewage treatment plants during periods of precipitation, and reduces the volume of untreated influent to local surface waters.

An estimate of the enhanced storm-water retention capability of the redevelopment project will be included in the RAR.

Linkage with Green Building. Green buildings provide a multitude of benefits to the city across a broad range of areas, such as reduction of energy consumption, conservation of resources, and reduction in toxic materials use.

The number of Green Buildings that are associated with this brownfield redevelopment property will be reported in the RAR. The total square footage of green building space created as a function of this brownfield redevelopment will be quantified for residential, commercial and industrial/manufacturing uses.

Paperless Brownfield Cleanup Program. DJS Real Estate Development is participating in OER's Paperless Brownfield Cleanup Program. Under this program, submission of electronic documents will replace submission of hard copies for the review of project documents, communications and milestone reports.

Low-Energy Project Management Program. DJS Real Estate Development is participating in OER's low-energy project management program. Under this program, whenever possible, meetings are held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation.

Trees and Plantings. Trees and other plantings provide habitat and add to NYC's environmental quality in a wide variety of ways. Native plant species and native habitat provide optimal support to local fauna, promote local biodiversity, and require less maintenance.

An estimate of the land area that will be vegetated, including the number of trees planted or preserved, will be reported in square feet in the RAR.

APPENDIX 3

SOIL/MATERIALS MANAGEMENT PLAN

1.1 SOIL SCREENING METHODS

Visual, olfactory and PID soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the RAR. Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Completion.

1.2 STOCKPILE METHODS

Excavated soil from suspected areas of contamination (e.g., hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

1.3 CHARACTERIZATION OF EXCAVATED MATERIALS

Soil/fill or other excavated media that is transported off-Site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-Site will be managed as defined in this plan.

1.4 MATERIALS EXCAVATION, LOAD-OUT AND DEPARTURE

The PE/QEP overseeing the remedial action will:

- oversee remedial work and the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAWP;
- ensure that the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the Site;
- ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

1.5 OFF-SITE MATERIALS TRANSPORT

Loaded vehicles leaving the Site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will be used. Queuing of trucks will be performed on-Site, when possible in order to minimize off Site disturbance. Off-Site queuing will be minimized.

Outbound truck transport routes are included as Figure 6. This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

1.6 MATERIALS DISPOSAL OFF-SITE

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Enrollee to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in Brooklyn, New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Enrollee. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RAR.

The Remedial Action Report will include an itemized account of the destination of all material removed from the Site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RAR.

All impacted soil/fill or other waste excavated and removed from the Site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations. Historic fill and contaminated soils taken off-Site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-Site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization

sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RAR. A manifest system for off-Site transportation of exported materials will be employed. Manifest information will be reported in the RAR. Hazardous wastes derived from on-Site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

If disposal of soil/fill from this Site is proposed for unregulated disposal (i.e., clean soil removed for development purposes), including transport to a Part 360-16 Registration Facility, a formal request will be made for approval by OER with an associated plan compliant with 6NYCRR Part 360-16. This request and plan will include the location, volume and a description of the material to be recycled, including verification that the material is not impacted by site uses and that the material complies with receipt requirements for recycling under 6NYCRR Part 360. This material will be appropriately handled on-Site to prevent mixing with impacted material.

1.7 MATERIALS REUSE ON-SITE

Soil and fill that is derived from the property that meets the soil cleanup objectives established in this plan may be reused on-Site. The soil cleanup objectives for on-Site reuse are Track 2 Restricted Residential Use SCOs. 'Reuse on-Site' means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to the NYC VCP agreement subject to Engineering and Institutional Controls. The PE/QEP will ensure that reused materials are segregated from other materials to be exported from the Site and that procedures defined for material reuse in this RAWP are followed. The expected location for placement of reused material will be provided in the RAR.

Organic matter (wood, roots, stumps, etc.) or other waste derived from clearing and grubbing of the Site will not be buried on-Site. Soil or fill excavated from the site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms.

1.8 DEMARCATION

After completion of hotspot removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill will be defined by one of three methods: (1) placement

of a demarcation layer. The demarcation layer will consist of geosynthetic fencing or equivalent material to be placed on the surface of residual soil/fill to provide an observable reference layer. A description or map of the approximate depth of the demarcation layer will be provided in the SMP; or (2) a land survey of the top elevation of residual soil/fill before the placement of cover soils, pavement and associated sub-soils, or other materials or structures or, (3) all materials beneath the approved cover will be considered impacted and subject to site management after the remedy is complete. Demarcation may be established by one or any combination of these three methods. As appropriate, a map showing the method of demarcation for the Site and all associated documentation will be presented in the RAR.

This demarcation will constitute the top of the site management horizon. Materials within this horizon require adherence to special conditions during future invasive activities as defined in the Site Management Plan.

1.9 IMPORT OF BACKFILL SOIL FROM OFF-SITE SOURCES

This Section presents the requirements for imported fill materials to be used below the cover layer and within the clean soil cover layer. All imported soils will meet OER-approved backfill and cover soil quality objectives for this Site. The backfill and cover soil quality objectives are Track 2 Restricted Residential Use SCOs.

A process will be established to evaluate sources of backfill and cover soil to be imported to the Site, and will include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the Site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;

- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYS DEC.

All materials received for import to the Site will be approved by a PE/QEP and will be in compliance with provisions in this RAWP. The RAR will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results, frequency of testing, and a Site map indicating the locations where backfill or soil cover was placed.

Source Screening and Testing

Inspection of imported fill material will include visual, olfactory and PID screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- Trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the Site at designated locations;
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination; and
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a minimum frequency of one sample for every 500 cubic yards of material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the Site.

Recycled concrete aggregate (RCA) will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RAR. A PE/QEP is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

1.10 FLUIDS MANAGEMENT

All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the New York City sewer system will receive prior approval by New York City Department of Environmental Protection (NYC DEP). The NYC DEP regulates discharges to the New York City sewers under Title 15, Rules of the City of New York Chapter 19. Discharge to the New York City sewer system will require an authorization and sampling data demonstrating that the groundwater meets the City's discharge criteria. The dewatering fluid will be pretreated as necessary to meet the NYC DEP discharge criteria. If discharge to the City sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-Site treatment facility.

Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by New York State Department of Environmental Conservation.

1.11 STORM-WATER POLLUTION PREVENTION

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAWP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence toe anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

1.12 CONTINGENCY PLAN

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYS DEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-Site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER. Chemical analytical testing will be performed for TAL metals, TCL volatiles and semi-volatiles, TCL pesticides and PCBs, as appropriate.

1.13 ODOR, DUST AND NUISANCE CONTROL

Odor Control

All necessary means will be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the Remedial Action Report.

Dust Control

Dust management during invasive on-Site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.

- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP's responsible for certifying the Remedial Action Report.

Other Nuisances

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during Site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

APPENDIX 4

VAPOR BARRIER DESIGN SPECIFICATIONS

VAPOR BARRIER DESIGN SPECIFICATIONS

225-227 Boerum Street
Block 3073, Lot 97
Brooklyn, New York

OER Project Number 14RHAZ180K

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1.0 EXECUTIVE SUMMARY

The Vapor Barrier Design Specifications have been prepared on behalf of DJS Real Estate Development ("*the Client*") to document the details and protocols for the vapor mitigation of the proposed building at 225-227 Boerum Street (Block 3073, Lot 97) in Brooklyn, New York. This system has been designed to sustain long-term exposure to all contaminants of concern at the Site. The property is associated with CEQR #051BSA068K for Hazardous Materials in association with suspect on-site current and historic uses.

The proposed future use of the Site will consist of a 4-story residential building with 20 dwelling units and a full cellar. The building will be identified as 83 Bushwick Place, Brooklyn NY. The proposed development will encompass the entire property footprints for a total gross floor area of approximately 13,191 square feet. The cellar at the site will consist of a mechanical space and a parking. The elevation of the cellar slab will be set at approximately 11.94 feet below grade or 10 feet below grade. The cellar slab will be approximately 6 inches in thickness and it will be installed on top of a 6-inch gravel bed for a total excavation depth of 12 feet.

In order to prevent groundwater vapors beneath the Site from impacting the interior air of the proposed building, vapor barrier system consisting of a 46-mil Preprufe 300R waterproofing membrane will be installed beneath the footing mat slab. The vapor barrier will be extended up to grade level by attaching it to the exterior sides of foundation walls using 32-mil Preprufe 160R waterproofing membrane or 62.5-mil Grace Bituthene 4000 membrane.

Others will install the vapor barrier under the direct oversight of a Hydro Tech Environmental, Corp. (Hydro Tech) Engineer. Hydro Tech will perform a final site inspection and document the installation of the vapor barrier in a Site Closure report and will include pictures of the vapor barrier. The report will be forwarded to the NYCOER for review and approval.

2.0 INTRODUCTION

The Vapor Barrier (VB) system will be installed in accordance with the manufacturer's specifications in order to sustain long-term exposure to volatile organic vapors present beneath the property located at 225-227 Boerum Street (Block 3073, Lot 97) and situated in the borough of Brooklyn, New York.

The written specifications and accompanying engineering plans for the proposed VBS complement and supplement each other. The Contractor shall review both of them for the sizing and installation of these systems.

These specifications consist of the following Sections:

1. Important Note for Site work – discusses safety issues that are specific to this Site
2. Standards – lists applicable standards for the installation of the vapor barrier
3. System Description – provides a brief overview of the proposed vapor barrier

2.1 Important Notes for Site Work

Open flames and smoking are prohibited in the work area.

During construction of the proposed VBS, the Contractor shall take all protective measures to ensure the health and safety of all site personnel from potential exposure to semi-volatile compounds detected in the soil beneath the site.

2.2 Standards

The American Society for Testing and Materials (ASTM) Standard D2321-89 (re-approved 1995), "Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications," is included here by reference. Unless otherwise stated below, the Contractor shall follow ASTM Standard D2321 during trenching, backfilling and piping construction. This specification is only needed in areas requiring trenching work.

In addition to the above standards, the Contractor shall follow all applicable Federal, State and Local codes, regulations and ordinances pertaining to construction and safety.

The Contractor shall consult with and follow the Engineer's instructions in case any conflicts between these plans/specifications and any of the above standards arise.

3.0 VAPOR MITIGATION EFFORTS

1. Based on the information provided by the Client, the proposed remedial construction activities at the Site include the construction of a 4-story residential building with 20 dwelling units and a full cellar. The entire site will be excavated for the layout of cellar foundations. The depth of cellar excavation will be approximately 12 feet below grade surface (bgs). The elevation of the cellar slab will be set at approximately 11.94 feet below grade or 10 feet below grade. The cellar slab will be approximately 6 inches in thickness and it will be installed on top of a 6 inch compacted gravel bed. No open space is designed around this proposed development at the Site.

2. The VB designed beneath the building foundations will consist of 46-mil Preprufe 300R waterproofing membrane beneath the footing slab and 32-mil Preprufe 160R waterproofing membrane around the foundation walls or 62.5-mil Grace Bituthene 4000 membrane. The VB has been designed specifically based on a specific modular concept for the proposed building footprints, cellar and foundation walls. The concept of VB design may be easily extended to other different-sized footprints; however, the Design Engineer's prior approval must be obtained in such cases.

4.0 DESIGN AND CONSTRUCTION PROCEDURES OF THE VAPOR BARRIER

4.1 Installation of the Vapor Barrier System

The essential guidelines for designing and installing the vapor barrier system are listed below:

- A 46-mil Preprufe 300R Waterproofing membrane will be installed horizontally beneath the buildings foundations on top of a 6 inch layer of compacted gravel bed placed at the bottom of excavation. This membrane will then be attached vertically to 32-mil Preprufe 160R Waterproofing membrane or 62.5-mil Grace Bituthene 4000 membrane on the exterior foundations walls facing adjacent buildings or adjacent street.

- The 46-mil Preprufe 300R Waterproofing membrane on top of the gravel bed is to be pitched upward from the center of the building towards its perimeter at a rate of approximately 1/2″ per foot in length direction and 1/4″ per foot in width direction to ensure that the membrane will not be inadvertently pitched downward during construction thus ensuring that there will be no pockets of trapped gases under the membrane, and also to provide an additional buoyant pathway for the gases to travel away from the center towards the building perimeter.

- The 46-mil Preprufe 300R Waterproofing membrane beneath the gravel bed shall be continuous in order to be effective. The membrane shall completely cover the entire buildings area. Any joints/seams, both lateral and butt should be overlapped 6″ and sealed properly in accordance to manufacturer's spec sheets.

- Extreme care shall be taken to ensure that all punctures, penetrations or tears in the material shall be sealed and covered with Preprufe Tape or liquid bituthene as necessary prior to pouring concrete.

- The 62.5-mil Grace Bituthene 4000 membrane around the foundation walls will be protected on the outer side by Hydroduct 200 drainage composite product or plywood to prevent any potential tears or punctures.

Figure 1 provides Plan view of cellar development. **Figure 2** provides elevation view of cellar development. **Figure 3** provides Section Details. **Appendix 1** provides specifications sheets of Preprufe 160 & 300R waterproofing membrane, Bituthene 4000 membrane and liquid Bithutene.

4.2 Separate Sub-Grade Areas

Concrete block walls connected to below grade areas shall be considered unsealed surfaces. All openings in concrete block walls that will not remain accessible upon completion of the building shall be sealed at both vertical and horizontal surfaces, in order to create continuous air barrier to limit the transport of soil-gas into the indoor air.

4.3 Interaction with Underground Conduits

Examples of utility penetrations through the building slab include water and sewer lines, utility lines to unit ventilators and radiators, electrical service entries, conduits, air conditioner condensate drains and roof drains. The openings around these slab penetrations shall be sealed with polyurethane caulk. All unpressurized water and wastewater lines connected to the buildings shall be equipped with house traps (P-traps) to prevent the migration of gases through them into the building. These lines shall be equipped with vents on the outside of the building, such that the P-traps are located between these vents and the building to which they are connected. These measures are not needed for city water supply lines.

4.4 Other Considerations

1. If any trench construction or excavation is involved in the construction of the VBS, follow trench excavation instructions in ASTM D2321 and other applicable codes, regulations, and standards, including instructions for trench support and sloping as needed. Trench locations shall be clearly separated from the rest of the property with temporary fences, and access to the trench(s) shall be limited to only the workers and related equipment and shall be denied to all others. Construction shall be scheduled such that at the end of each day of work, all trench excavations during that day are backfilled and consolidated, such that the possibility of any human, animal, or equipment falling into the trench(s) or sinking into a loosely backfilled trench is eliminated. The safety practices of the Contractor shall not be limited to those described or specified above; the Contractor shall also take all safety measures and precautions that are necessary for this project depending on project specific conditions. The Contractor is responsible for ensuring the safety of workers, as well as all other people, animals or equipment on Site during all construction activities related to this project, including trench construction.

2. All material used as backfill ("fill") shall be completely free of organic material and free of all extraneous materials such as roots, tree stumps, construction spoils or any other material that would eventually degrade and cause a change in soil volume. Backfill shall also be free of rocks, bricks, nails or any other hard, sharp material that could damage the Preprufe 300R or the Bituthene 4000 membrane.

3. Backfill shall not contain any frozen material and shall not be placed on frozen ground because of significant damage that can occur when the material thaws. Backfill shall be mixed and deposited in a manner as to produce reasonable uniformity throughout the mass.

4. Backfill shall be carefully deposited into the excavation and compacted to form a uniformly, dense and stable mass. Before a new layer of backfill is deposited on a freshly compacted layer, the surface of the compacted layer shall be scarified to enhance mechanical bonding between the surfaces of the two layers.

5. Field inspections must be conducted while construction is in progress.

5.0 REFERENCES

1. NYSDOH. 2006. Final – Guidance for Evaluating Soil Vapor Intrusion in the State of New York. New York State Department of Health, Center for Environmental Health, Bureau of Environmental Exposure Investigation.

2. USEPA. 2001. Draft – A Standard EPA Protocol for Characterizing Indoor Air Quality in Large Buildings. U.S. Environmental Protection Agency, Office of Air and Radiation, Washington, DC.

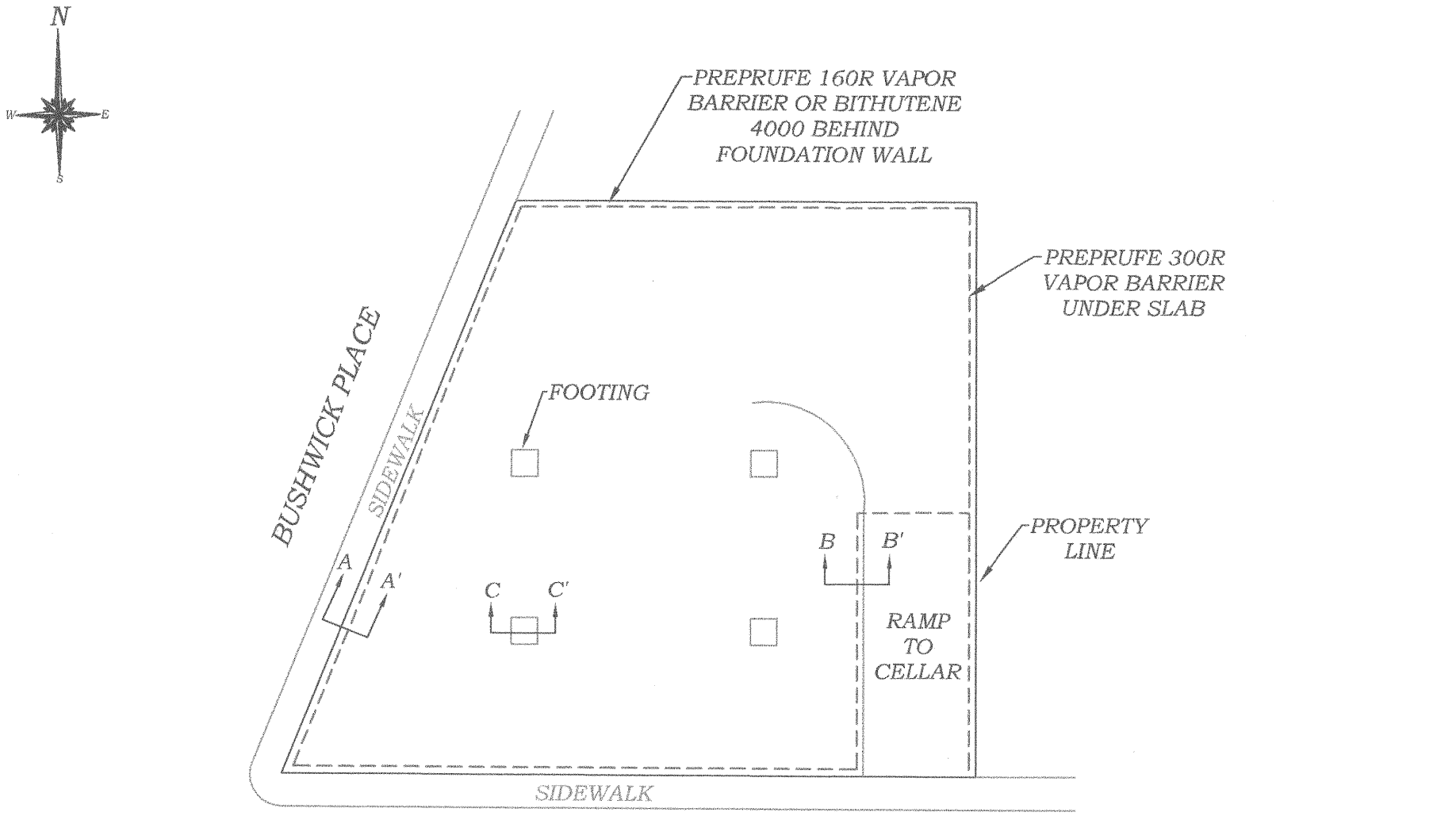
3. USEPA. 1997. Engineering Forum Issue Paper: Soil Vapor Extraction Implementation Experiences, Quick Reference Fact Sheet. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response.

4. USEPA. 1994. Radon Prevention in the Design and Construction of Schools and Other Large Buildings. U.S. Environmental Protection Agency, Office of Research and Development.

5. USEPA. 1993. Radon Reduction Techniques for Existing Detached Houses – Technical Guidance (Third Edition) for Active Soil Depressurization Systems. U.S. Environmental Protection Agency, Office of Environmental Engineering and Technology Demonstration, Office of Research and Development.

6. Grace Waterproofing Systems, September 2010–Contractor's Handbook, Grace Construction Products.

FIGURES



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HTE Job# 130293

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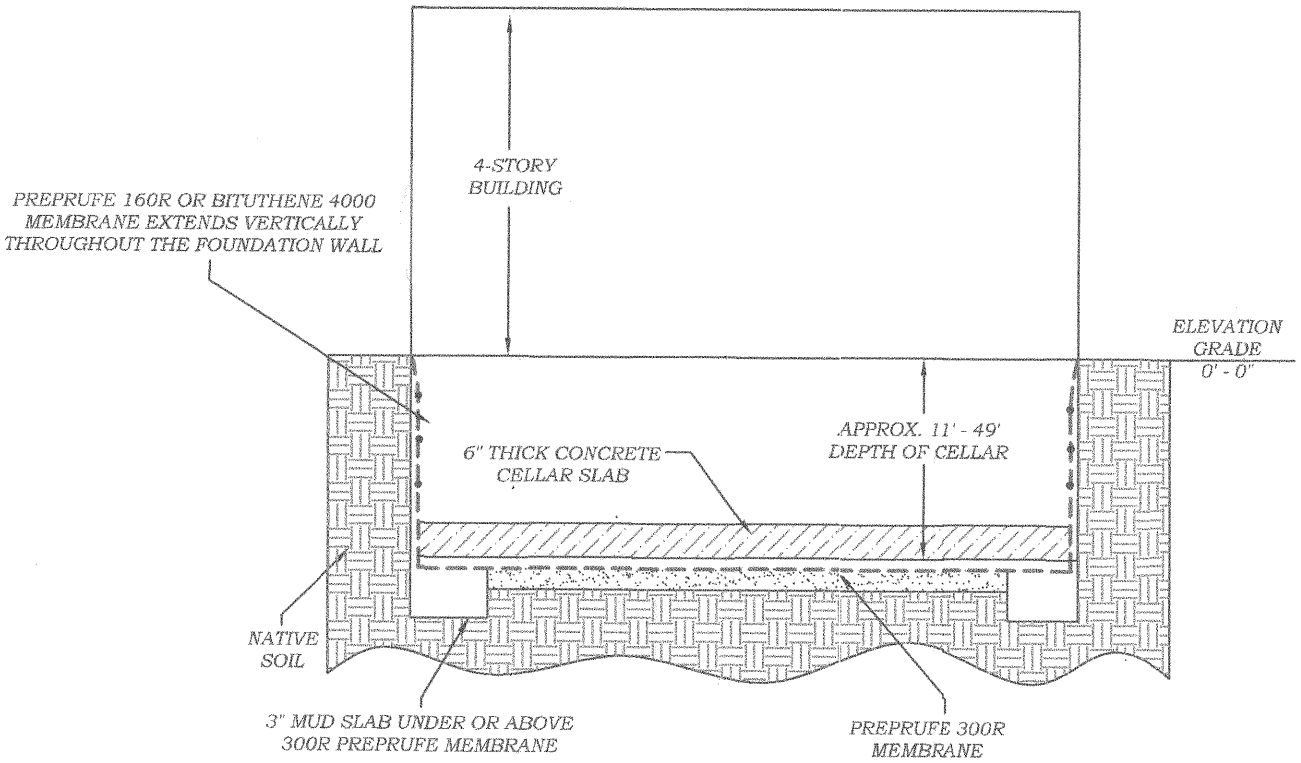
Reviewed By:	M.R.
Approved By:	M.S.
Date:	01/02/13
Scale:	AS NOTED

TITLE:

FIGURE 1: PLAN VIEW



ELEVATION PLAN

NOTES:

1. ALL ELEVATIONS ARE RELATIVES TO EXISTING GRADE, WHICH IS ARBITRARILY ASSUMED TO BE AT 0' - 0" EL.
2. THE VAPOR BARRIER DESIGN IS INDEPENDENT OF THE ACTUAL TYPE OF FOUNDATION CONSTRUCTED AT THE SITE. ANY OBJECTS THAT BISECT THE LINER SUCH AS PIERS OF PILES MUST BE CUT THROUGH THE MEMBRANE AND CONTACT BETWEEN THE BARRIER AND OBJECT MUST BE SEALED AS PER THE MANUFACTURER'S RECOMMENDATION
3. BUILDING HEIGHT AND THE SHAPE OF THE ROOF ARE APPROXIMATE.

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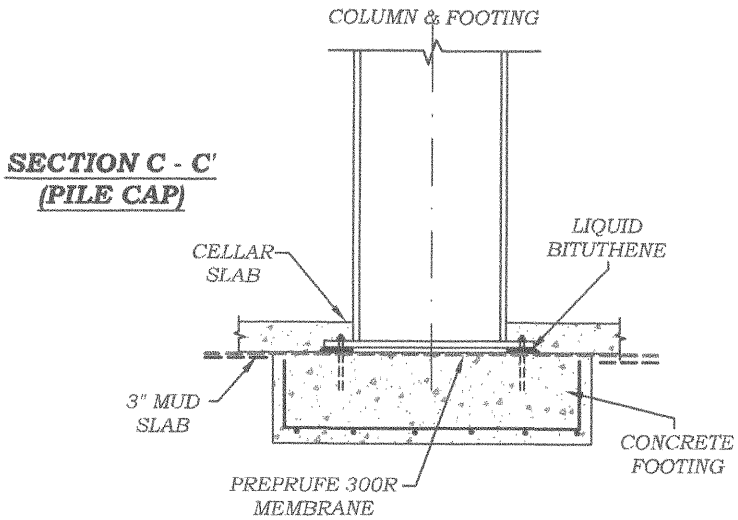
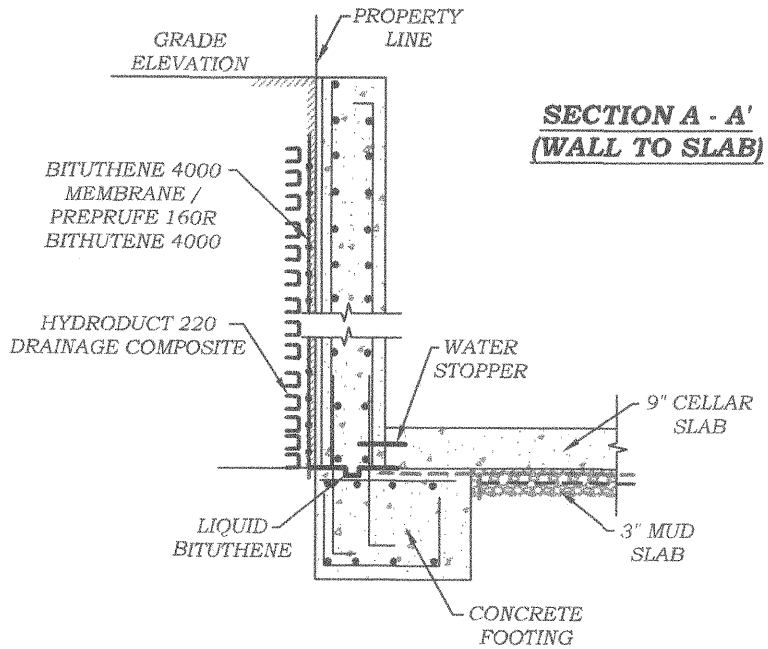
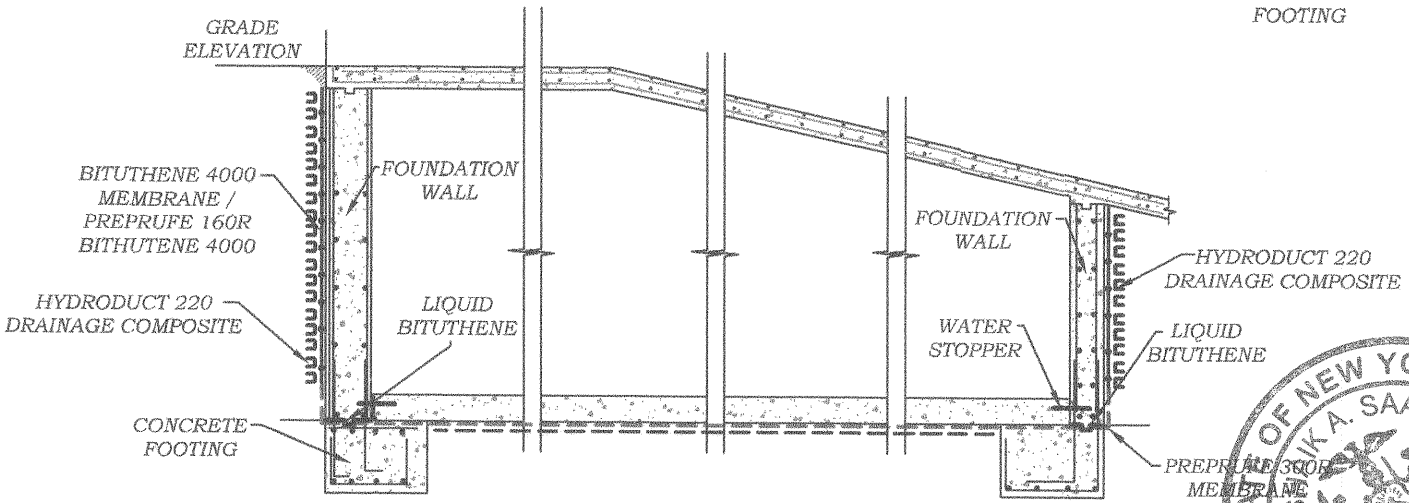
FIGURE 2: ELEVATION OF CELLAR SLAB



SECTION C - C'
(PILE CAP)



SECTION A - A'
(WALL TO SLAB)



SECTION B - B'
(RAMP)

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TITLE:

FIGURE 3: SECTIONS (A-A'), (B-B'), (C-C')

ATTACHMENT 1
VAPOR BARRIER MANUFACTURER SPECIFICATIONS

GRACE

PREPRUFE® 300R & 160R

Pre-applied waterproofing membranes that bond integrally to poured concrete for use below slabs or behind basement walls on confined sites

Description

Preprufe® 300R & 160R membranes are unique composite sheets comprising a thick HDPE film, an aggressive pressure sensitive adhesive and a weather resistant protective coating.

Unlike conventional non-adhering membranes, which are vulnerable to water ingress tracking between the unbonded membrane and structure, the unique Preprufe bond to concrete prevents ingress or migration of water around the structure.

The Preprufe R System includes:

- **Preprufe 300R**—heavy-duty grade for use below slabs and on rafts (i.e. mud slabs). Designed to accept the placing of heavy reinforcement using conventional concrete spacers.
- **Preprufe 160R**—thinner grade for blindside, zero property line applications against soil retention systems.
- **Preprufe Tape LT**—for covering cut edges, roll ends, penetrations and detailing (temperatures between 25°F (-4°C) and 86°F (+30°C)).
- **Preprufe Tape HC**—as above for use in Hot Climates (minimum 50°F (10°C)).
- **Bituthene® Liquid Membrane**—for sealing around penetrations, etc.

Preprufe 300R & 160R membranes are applied either horizontally to smooth prepared concrete, carton forms or well rolled and compacted sand or crushed stone substrate; or vertically to permanent formwork or adjoining structures. Concrete is then cast directly against the adhesive side of the membranes. The specially developed Preprufe adhesive layers work together to form a continuous and integral seal to the structure.

Preprufe can be returned up the inside face of slab formwork but is not recommended for conventional twin-sided formwork on walls, etc. Use Bituthene self-adhesive membrane or Procor® fluid applied membrane to walls after removal of formwork for a fully bonded system to all structural surfaces.

Advantages

- **Forms a unique continuous adhesive bond to concrete poured against it**—prevents water migration and makes it unaffected by ground settlement beneath slabs
- **Fully-adhered watertight laps** and detailing
- **Provides a barrier to water, moisture and gas**—physically isolates the structure from the surrounding ground
- **BBA Certified** for basement Grades 2, 3, & 4 to BS 8102:1990
- **Zero permeance** to moisture
- **Solar reflective**—reduced temperature gain
- **Simple and quick to install**—requiring no priming or fillets
- **Can be applied to permanent formwork**—allows maximum use of confined sites
- **Self protecting**—can be trafficked immediately after application and ready for immediate placing of reinforcement
- **Unaffected by wet conditions**—cannot activate prematurely
- Inherently waterproof, non-reactive system:
  - not reliant on confining pressures or hydration
  - unaffected by freeze/thaw, wet/dry cycling
- **Chemical resistant**—effective in most types of soils and waters, protects structure from salt or sulphate attack

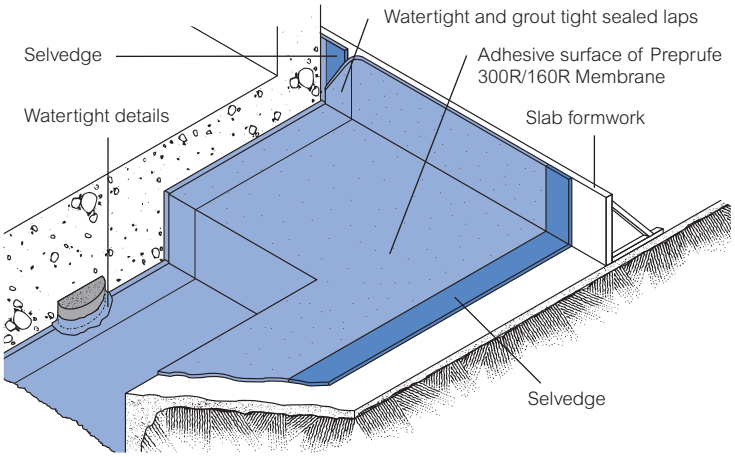
Installation

The most current application instructions, detail drawings and technical letters can be viewed at www.graceconstruction.com. Technical letters are provided for the following subjects to assist in the installation of Preprufe:

- Chemical Resistance
- Minimizing Concrete Shrinkage and Curling
- Rebar Chairs on Preprufe 300R Membrane
- Removal of Formwork Placed Against Preprufe Membranes
- Winter Lap Sealing and the use of Preprufe Tape LT

For other technical information contact your local Grace representative.

Preprufe 300R & 160R membranes are supplied in rolls 4 ft (1.2 m) wide, with a selvedge on one side to provide self-adhered laps for continuity between rolls. The rolls of Preprufe Membrane and Preprufe Tape are interwound with a disposable plastic release liner which must be removed before placing reinforcement and concrete.



Drawings are for illustration purposes only.
Please refer to www.graceconstruction.com for specific application details.

BBA BRITISH BOARD OF AGREMENT CERTIFICATE No. 97/3325

Substrate Preparation

All surfaces—It is essential to create a sound and solid substrate to eliminate movement during the concrete pour. Substrates must be regular and smooth with no gaps or voids greater than 0.5 in. (12 mm). Grout around all penetrations such as utility conduits, etc. for stability (see Figure 1).

Horizontal—The substrate must be free of loose aggregate and sharp protrusions. Avoid curved or rounded substrates. The surface does not need to be dry, but standing water must be removed.

Vertical—Use concrete, plywood, insulation or other approved facing to sheet piling to provide support to the membrane. Board systems such as timber lagging must be close butted to provide support and not more than 0.5 in. (12 mm) out of alignment.

Membrane Installation

Preprufe can be applied at temperatures of 25°F (-4°C) or above. When installing Preprufe in cold or marginal weather conditions 55°F (<13°C) the use of Preprufe Tape LT is recommended at all laps and detailing. Preprufe Tape LT should be applied to clean, dry surfaces and the release liner must be removed immediately after application.

Horizontal substrates—Place the membrane HDPE film side to the substrate with the clear plastic release liner facing towards the concrete pour. End laps should be staggered to avoid a build up of layers. Leave plastic release liner in position until overlap procedure is completed (see Figure 2).

Accurately position succeeding sheets to overlap the previous sheet 3 in. (75 mm) along the marked selvedge. Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Peel back the plastic release liner from between the overlaps as the two layers are bonded together. Ensure a continuous bond is achieved without creases and roll firmly with a heavy roller. Completely remove the plastic liner to expose the protective coating. Any initial tack will quickly disappear.

Refer to Grace Tech Letters for information on suitable rebar chairs for Preprufe.

Vertical substrates—Mechanically fasten the membrane vertically using fasteners appropriate to the substrate with the the clear plastic release liner facing towards the concrete pour. The membrane may be installed in any convenient length. Secure the top of the membrane using a batten such as a termination bar or similar 2 in. (50 mm) below the top edge (see Figure 3). Fastening can be made through the selvedge so that the membrane lays flat and allows firmly rolled overlaps. Immediately remove the plastic release liner. Any additional fasteners must be covered with a patch of Preprufe Tape (see Figure 4).

Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Roll firmly to ensure a watertight seal.

Roll ends and cut edges—Overlap all roll ends and cut edges by a minimum 3 in. (75 mm) and ensure the area is clean and free from contamination, wiping with a damp cloth if necessary. Allow to dry and apply Preprufe Tape LT (or HC in hot climates) centered over the lap and roll firmly. Immediately remove printed plastic release liner from the tape.

Details

Refer to Preprufe Field Application Manual, Section V Application Instructions or visit www.graceconstruction.com. This Manual gives comprehensive guidance and standard details for:

- internal and external corners
- penetrations
- tiebacks
- columns
- grade beam pilecaps
- tie-ins
- terminations

Membrane Repair

Inspect the membrane before installation of reinforcement steel, formwork and final placement of concrete. The membrane can be easily cleaned by jet washing if required. Repair damage by wiping the area with a damp cloth to ensure the area is clean and free from dust, and allow to dry. Repair small punctures (0.5 in. (12 mm) or less) and slices by applying Preprufe Tape centered over the damaged area and roll firmly. Remove the release liner from the tape. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6 in. (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape, remove the release liner from the tape and roll firmly. Any areas of damaged adhesive should be covered with Preprufe Tape. Remove printed plastic release liner from tape. Where exposed selvedge has lost adhesion or laps have not been sealed, ensure the area is clean and dry and cover with fresh Preprufe Tape, rolling firmly. Alternatively, use a hot air gun or similar to activate adhesive and firmly roll lap to achieve continuity.

Pouring of Concrete

Ensure the plastic release liner is removed from all areas of Preprufe R Membrane and Tape.

It is recommended that concrete be poured within 56 days (42 days in hot climates) of application of the membrane. Concrete must be placed and compacted carefully to avoid damage to the membrane. Never use a sharp object to consolidate the concrete.

Removal of Formwork

Preprufe membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe membranes are not recommended for conventional twin-sided wall forming systems.

A minimum concrete compressive strength of 1500 psi (10 N/mm^2) is recommended prior to stripping formwork supporting Preprufe membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

As a guide, to reach the minimum compressive strength stated above, a structural concrete mix with an ultimate strength of 6000 psi (40 N/mm^2) will typically require a cure time of approximately 6 days at an average ambient temperature of 25°F (-4°C), or 2 days at 70°F (21°C).

Figure 1

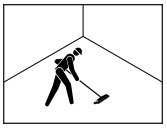


Figure 2

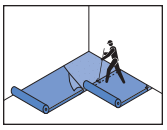
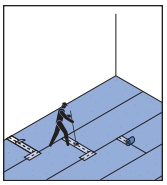
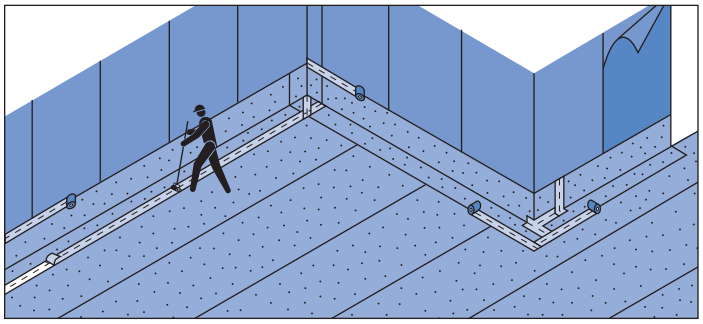


Figure 3

Figure 4

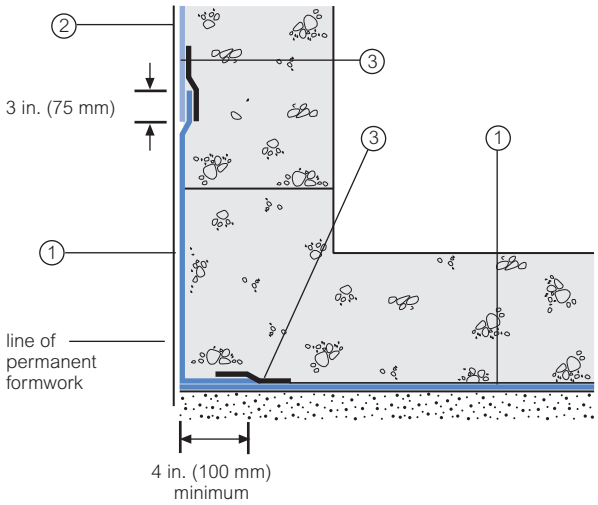




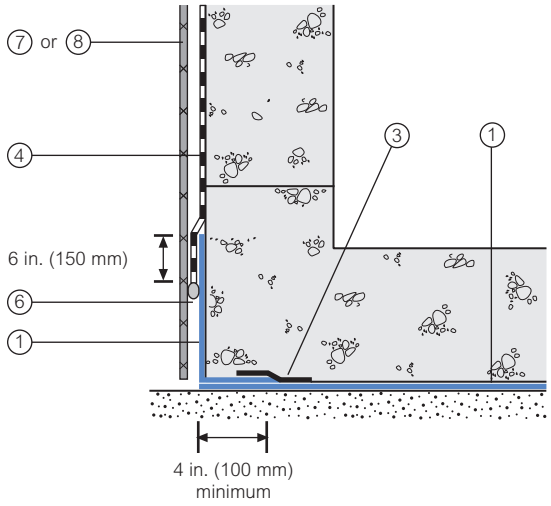
Detail Drawings

Details shown are typical illustrations and not working details. For a list of the most current details, visit us at www.graceconstruction.com. For technical assistance with detailing and problem solving please call toll free at 866-333-3SBM (3726).

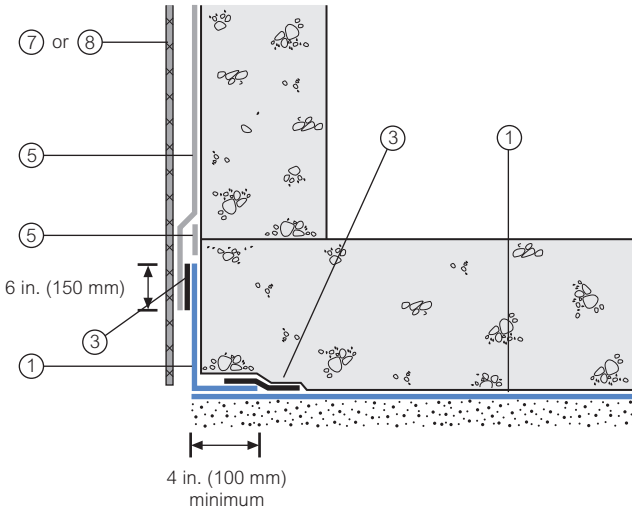
Wall base detail against permanent shutter



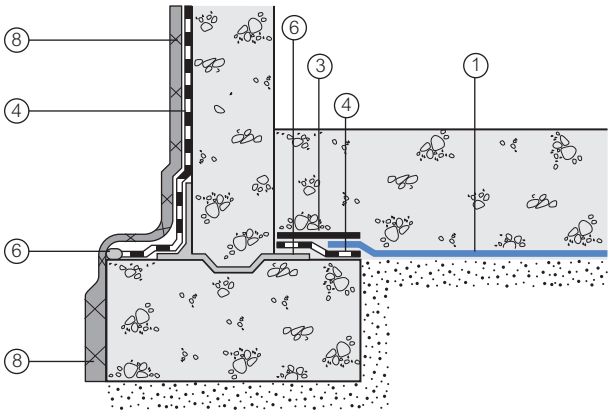
Bituthene wall base detail (Option 1)



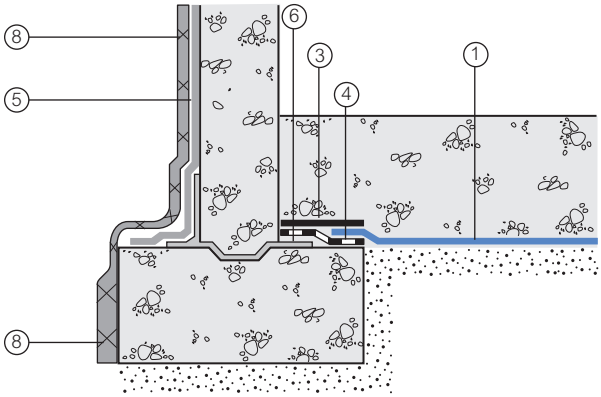
Procor wall base detail (Option 1)



Bituthene wall base detail (Option 2)



Procor wall base detail (Option 2)



1 Preprufe 300R
2 Preprufe 160R
3 Preprufe Tape
4 Bituthene
5 Procor
6 Bituthene Liquid Membrane
7 Protection
8 Hydroduct®

Supply

Dimensions (Nominal)	Preprufe 300R Membrane	Preprufe 160R Membrane	Preprufe Tape (LT or HC*)
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	
Roll size	4 ft x 98 ft (1.2 m x 30 m)	4 ft x 115 ft (1.2 m x 35 m)	4 in. x 49 ft (100 mm x 15 m)
Roll area	392 ft^2 (36 m^2)	460 ft^2 (42 m^2)	
Roll weight	108 lbs (50 kg)	92 lbs (42 kg)	4.3 lbs (2 kg)
Minimum side/end laps	3 in. (75 mm)	3 in. (75 mm)	3 in. (75 mm)
* LT denotes Low Temperature (between 25°F (-4°C) and 86°F (+30°C)) HC denotes Hot Climate (50°F (>+10°C))			
Ancillary Products			
Bituthene Liquid Membrane—1.5 US gal (5.7 liter) or 4 US gal (15.1 liter)			

Physical Properties

Property	Typical Value 300R	Typical Value 160R	Test Method
Color	white	white	
Thickness	0.046 in. (1.2 mm) nominal	0.032 in. (0.8 mm) nominal	ASTM D3767
Low temperature flexibility	Unaffected at -10°F (-23°C)	Unaffected at -10°F (-23°C)	ASTM D1970
Resistance to hydrostatic head, minimum	231 ft (70 m)	231 ft (70 m)	ASTM D5385, modified[1]
Elongation, minimum	300%	300%	ASTM D412, modified[2]
Tensile strength, film, minimum	4000 psi (27.6 MPa)	4000 psi (27.6 MPa)	ASTM D412
Crack cycling at -10°F (-23°C), 100 cycles	Unaffected	Unaffected	ASTM C836
Puncture resistance, minimum	221 lbs (990 N)	100 lbs (445 N)	ASTM E154
Peel adhesion to concrete, minimum	5.0 lbs/in. (880 N/m) width	5.0 lbs/in. (880 N/m) width	ASTM D903, modified[3]
Lap peel adhesion	2.5 lbs/in. (440 N/m) width	2.5 lbs/in. (440 N/m) width	ASTM D1876, modified[4]
Permeance to water vapor transmission, maximum	0.01 perms (0.6 ng/(Pa × s × m^2))	0.01 perms (0.6 ng/(Pa × s × m^2))	ASTM E96, method B
Water absorption, maximum	0.5%	0.5%	ASTM D570
Methane permeability	9.1 mls/m^2/day	N/A	University of London, QMW College[3]
Permeability[5] (hydraulic conductivity)	K=<1.4 x 10^{-11}cm.s^{-1}	K=<1.4 x 10^{-11}cm.s^{-1}	ASTM D5084-90

Footnotes:

1. Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125 in. (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.
2. Elongation of membrane is run at a rate of 2 in. (50 mm) per minute.
3. Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2 in. (50 mm) per minute at room temperature.
4. The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2 in. (50 mm) per minute at 25°F (-4°C).
5. Result is lower limit of apparatus. Membrane therefore considered impermeable.

Specification Clauses

Preprufe 300R or 160R shall be applied with its adhesive face presented to receive fresh concrete to which it will integrally bond. Only Grace Construction Products approved membranes shall be bonded to Preprufe 300R/160R. All Preprufe 300R/160R system materials shall be supplied by Grace Construction Products, and applied strictly in accordance with their instructions.

Specimen performance and formatted clauses are also available.

NOTE: Use Preprufe Tape to tie-in Procor with Preprufe.

Health and Safety

Refer to relevant Material Safety data sheet. Complete rolls should be handled by a minimum of two persons.

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

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11/09/06 PTC

GRACE
Construction Products

1. Product Name

Preprufe® 300R and 160R Waterproofing Systems

2. Manufacturer

Grace Construction Products
62 Whittemore Avenue
Cambridge, MA 02140
(866) 333-3SBM (3726)
Fax: (617) 498-4311
www.graceconstruction.com

3. Product Description

BASIC USE

Preprufe® 300R and Preprufe 160R membranes are used in blind side waterproofing applications where positive side waterproofing is desired but the positive side of the structure is not accessible once the concrete is poured.

Preprufe 300R Membrane is used primarily in under slab and below-grade split slab applications. Preprufe 300R Membrane is applied over properly prepared earth, stone or concrete. Concrete is cast against the adhesive side of the membrane. Preprufe 300R Membrane incorporates an exceptionally tough HDPE film and is designed to allow foot traffic directly on the membrane during construction.

Preprufe 160R Membrane is used in vertical applications. It is applied to properly prepared soil retention systems and concrete is cast against the membrane.

COMPOSITION & MATERIALS

Preprufe 300R and Preprufe 160R membranes are multilayered composite sheets consisting of an exceptionally tough HDPE film, a specially formulated synthetic pressure sensitive adhesive and a protective coating.

ACCESSORY COMPONENTS

- Preprufe Tape
- Preprufe Tieback Cover
- Bituthene® Liquid Membrane
- Preprufe CJ Tape

4. Technical Data

APPLICABLE STANDARDS

ASTM International

- ASTM C836 Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course
- ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension
- ASTM D570 Standard Test Method for Water Absorption of Plastics
- ASTM D882 Standard Test Method for Tensile Properties of Thin Plastic Sheeting
- ASTM D903 Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
- ASTM D1876 Standard Test Method for Peel Resistance of Adhesives (T-Peel Test)
- ASTM D1970 Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
- ASTM D3767 Standard Practice for Rubber-Measurement of Dimensions
- ASTM D5385 Standard Test Method for Hydrostatic Pressure Resistance of Waterproofing Membranes
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM E154 Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover

PHYSICAL PROPERTIES

For detailed information on the physical properties of Preprufe 300R and Preprufe 160R Membranes, see Table 1.

5. Installation

Apply membranes when ambient temperatures are 25 degrees F (-4 degrees C) or above. Substrates must be smooth and sound with no gaps or voids in excess of 1/2" (13 mm).

FORMING SYSTEMS

It is very important to specify a forming system that is compatible with the Preprufe system. One-sided wall forming systems are clearly the best choice since there are no form ties used in this system. Therefore, there are no penetrations to the waterproofing layer. Other compatible systems include gang forms with load gathering form ties. These systems minimize the number of penetrations.

Hand set forming systems or, more specifically, use of form ties with ultimate load capabilities of less than 10,000 lb (44,500 N) per tie are not recommended. These systems have many form ties that penetrate the waterproofing.

Formwork

On vertical applications, use one-sided wall forming systems to minimize punctures in the membrane after the membrane is installed. Review Technical Letter "Forming Systems for use with Preprufe 160R Membrane."

APPLICATION

Vertical Applications

Apply the membrane with the thick white HDPE film side facing the prepared substrate and the protective coating side facing the concrete to be poured. The membrane may be installed in any convenient length vertically. For lengths of membrane greater than 8' (2.4 m), mechanically fasten the membrane at 2' (0.6 m) intervals centered in the self-adhesive selvedge prior to making the side lap, using small head nails or staples.

Using the lap line as a guide, apply subsequent sheets overlapping the in-place sheet 3" (75 mm) along the self-adhesive selvedge of the membrane. Avoid overlapping membrane beyond the guideline to prevent fishmouths. Should they occur, apply Preprufe Tape centered over the fishmouth, roll firmly to form a tight seal and remove release liner.

It is important that all nail heads be covered with the overlapping sheets of membrane. Side laps must be immediately rolled firmly to ensure a tight seal. A metal seam roller is recommended. To maximize adhesion in colder temperatures or in damp conditions, apply gentle heat to the lap area using a hot air gun (see Technical Letters). Overlap the ends of the membrane a minimum of 3" (75 mm). Remove and discard the release liner from both sheets. Apply Preprufe Tape centered over the end lap and edges of membrane not sealed by selvedge. Roll firmly to form a tight seal. Remove release liner from tape and discard.

For additional protection, Hydroduct® Tape may be applied between the sheets in the end lap area prior to application of the Preprufe Tape. Secure the top termination of the membrane with a termination bar and fasteners.

If the top termination is to be covered by the concrete pour, a strip of Preprufe CJ Tape must be placed over the termination bar and fasteners. Place the termination bar 2" (50 mm)

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below the top edge of the membrane. If the membrane will tie into subsequent sheets of Preprufe, Bituthene Membrane or other waterproofing, leave an additional 12" (300 mm) length of Preprufe 160R membrane. Protect this length from damage and do not remove the release liner. This length of clean membrane will be used to complete the appropriate waterproofing details after the concrete or lift is poured.

Horizontal Applications

Roll out the membrane with the thick white HDPE film side facing the prepared substrate and the protective coating side facing the concrete to be poured. Remove the clear release liner at the time of installation. Using the lap line as a guide, align and roll out subsequent sheets overlapping the in-place sheet 3" (75 mm) along the self-adhesive selvedge of the membrane. Side laps must be immediately rolled firmly to ensure a tight seal. A heavy metal seam roller is recommended.

Avoid overlapping membrane beyond the guideline to prevent fishmouths. Should this occur, apply Preprufe Tape centered over the fishmouth, roll firmly to form a tight seal and remove release liner. To maximize adhesion in cooler temperatures or in damp conditions, apply gentle heat to the lap area using a hot air gun (see Technical Letters section of website). The membrane may be installed in any convenient length. Overlap the ends of the membrane 3" (75 mm) and remove and discard the release liner from both sheets. Apply Preprufe Tape centered over the end lap and edges of membrane not sealed by selvedge. Roll firmly to form a tight seal. Remove release liner from tape and discard.

For additional protection, Hydroduct Tape may be applied between the sheets in the end lap area prior to application of the Preprufe Tape.

Internal & External Corners

Install the Preprufe Membrane according to standard application instructions detailed for vertical and horizontal applications above. Internal and external corners should be formed as shown in the Detail Drawings returning the membrane a minimum of 4" (100 mm).

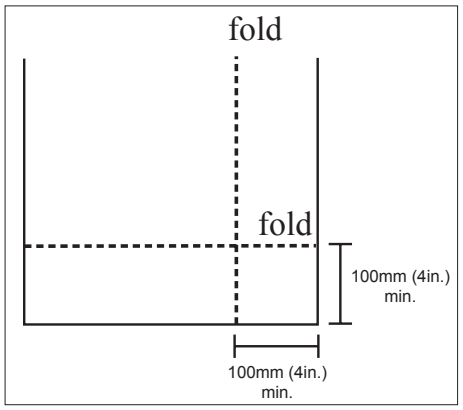

Figure 1

Internal Corners

Fold the membrane as indicated in Figure 1. Crease the fold with nominal hand pressure to ensure a close fit to the substrate profile and avoid hollows. With the white coating facing toward the concrete, ensure that the apex of the corner is covered and sealed with Preprufe Tape. Remove release liner and roll firmly.

External Corners

Fold the membrane as indicated in Figure 1. Crease the fold with nominal hand pressure to

TABLE 1 PHYSICAL PROPERTIES OF PREPRUFE 160R AND PREPRUFE 300R MEMBRANES

	Typical values	
Property & test method	Preprufe 160R Membrane	Preprufe 300R Membrane
Color	White	White
Thickness, ASTM D3767, Method A	0.032" (0.8 mm) nominal	0.046" (1.2 mm) nominal
Low temperature flexibility, ASTM D1970	Unaffected at -10°F (-23°C)	Unaffected at -10°F (-23°C)
Resistance to hydrostatic head, minimum, ASTM D5385, Modified [1]	231' (70 m)	231' (70 m)
Elongation, minimum, ASTM D412, Modified [2]	300%	300%
Tensile strength, film, minimum, ASTM D882	4000 psi (27.6 MPa)	4000 psi (27.6 MPa)
Crack cycling, at -10°F (-23°C), 100 cycles, ASTM C836	Unaffected	Unaffected
Puncture resistance, minimum, ASTM E154	100 lb (445 N)	221 lb (990 N)
Peel adhesion to concrete, minimum, ASTM D903, Modified [3]	5.0 lb/in width (880 N/m)	5.0 lb/in width (880 N/m)
Lap peel adhesion, ASTM D1876, Modified [4]	2.5 lb/in width (440 N/m)	2.5 lb/in width (440 N/m)
Permeance to water vapor transmission, maximum, ASTM D96, Method B	0.01 perms (0.6 ng/(Pa × s × m^2))	0.01 perms (0.6 ng/(Pa × s × m^2))
Water absorption, maximum, ASTM D570	0.5%	0.5%

[1] Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125" (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.

[2] Elongation of membrane is run at a rate of 2" (51 mm) per minute.

[3] Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2" (51 mm) per minute at room temperature.

[4] The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2" (51 mm) per minute at 25°F (-4°C).

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ensure a close fit to the substrate profile and avoid hollows. Cut the Preprufe membrane in order to wrap around corner. With the white coating facing toward the concrete, ensure that the apex of the corner is covered and sealed with Preprufe Tape. Remove release liner and roll firmly.

Round Penetrations

For Service Pipes, Lighting Conduit, Piles, etc. - Follow these steps to seal around penetrations:

1. All penetrations must be firmly secured and stable. Grout around all penetrations that are not stable. Clean loose dust or dirt from the penetration surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (50 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release liner. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap, repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
3. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane/Tape and the base of the penetration.
4. Cut a patch of Preprufe Membrane that is a minimum of 12" (300 mm) larger than the diameter or width of the penetration so that the patch extends 6" (150 mm) beyond the penetration in all directions. Remove the release liner and center the patch over penetration and trace/draw the penetration profile onto the patch. Using sheers or a utility knife, make relief cuts through the membrane. Triangles formed by making a relief cut are not to exceed 2" (50 mm) in height when placed over penetration. In other words, penetration diameters greater than 4" (100 mm) need to be trimmed. Remove and discard release liner.
5. Slide the patch over penetration and press into the partially cured Liquid Membrane. Ensure that the patch is pressed firmly into the Liquid Membrane and is positioned directly onto the Preprufe Field Membrane/Tape below. Using a trowel, smooth out any Liquid Membrane that has flowed out of the relief cut.
6. Apply Preprufe Tape centered over the edges of the patch and roll firmly to form a tight seal. Remove release liner from tape and discard.
7. Wrap the penetration with Preprufe Tape, positioning the tape at the base of the patch. Remove enough release liner to overlap Tape onto itself and roll/press firmly into place. Remove remaining release liner and discard.

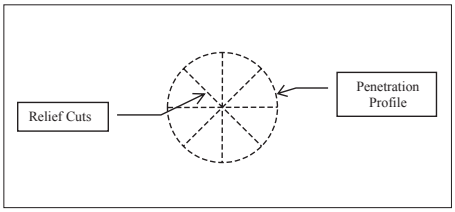

Figure 2

Straight Edge Penetrations

For square piles, steel columns, walers, rakers, etc. - Follow these steps to seal around

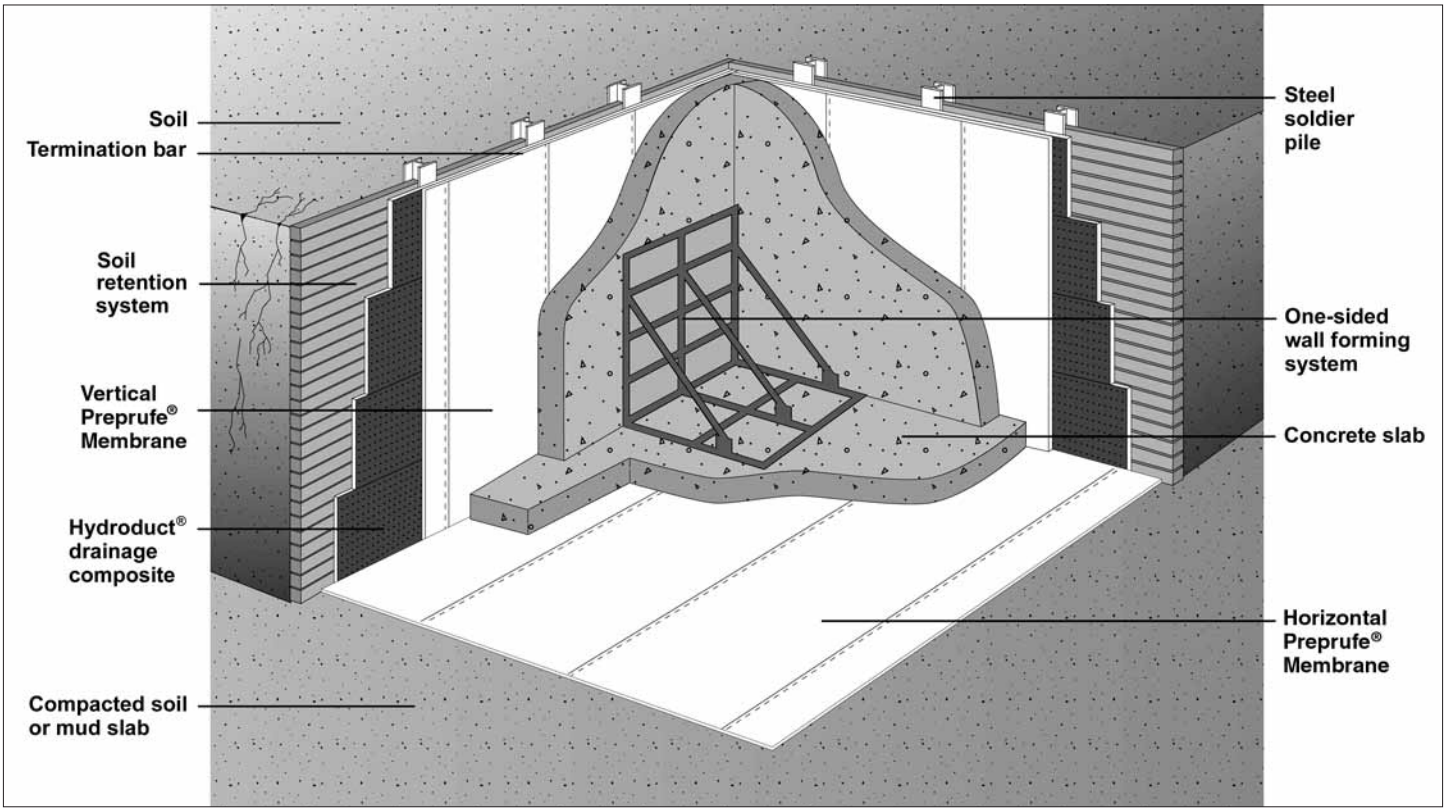

Figure 3 Preprufe® Waterproofing Systems

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penetrations:

1. All penetrations must be firmly secured and stable. Grout around all penetrations that are not stable. Clean loose dust or dirt from the penetration surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (51 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release liner. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
3. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane/Tape and the base of the penetration. Apply a 90 mil (2.2 mm) continuous coating overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe Membrane and the penetration.
4. Install a minimum 12" (300 mm) strip of Bituthene Membrane centered over the Preprufe Membrane and the penetration intersection.
5. Install Preprufe Tape to cover the strip of Bituthene Membrane by overlapping a minimum of 1" (25.4 mm) until a minimum of 2" (51 mm) overlap onto the Preprufe Membrane is achieved.
6. Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the penetration with a bead of Bituthene Liquid Membrane.

Wall Penetrations

For Rebar, All-Thread, Metal Dowels, etc. - Follow these steps to seal around penetrations:

1. Clean loose dust or dirt from the penetration and the surrounding substrate surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the substrate and the base of the penetration.
3. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (51 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
4. Position the field membrane snug to the penetration so that it is a maximum of 1/2" (12 mm) from the base of the penetration and press firmly into the partially cured Liquid Membrane.
5. Apply Liquid Membrane to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane and the base of the penetration. Extend a 90 mil (2.2 mm) continuous coating of Liquid Membrane overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe Membrane and 6" (150 mm) onto the penetration.
6. Wrap the penetration with Preprufe Tape, positioning the tape at the base of the penetration. Remove enough release liner to overlap tape onto itself and roll/press firmly into place. Remove remaining release liner and discard.

Tiebacks

The Preprufe Tieback Cover is a specially designed, two-part cover used to maintain waterproofing integrity at soil retention tieback heads. The Preprufe Tieback Cover consists of a rigid ABS plastic base and prefabricated Preprufe membrane cover.

1. Install Preprufe Membrane within 2" of tieback as per standard installation instructions.
2. Center the base over tieback head and secure base to soil retention system using appropriate fasteners. Fasteners should have a low profile head.
3. Apply Preprufe Tape centered over the edge of the base flange and roll firmly to form a tight seal. Remove release liner and discard.
4. Position the membrane cover over the base taking care to ensure the cover flange sits flat onto the Preprufe Membrane.
5. Apply Preprufe Tape centered over the edge of the cover flange and roll firmly to form a tight seal. Remove release liner and discard.

Note: All Preprufe Tape should overlap onto surfaces of tape, membrane, base, cover, etc., a minimum of 50 mm (2").

Columns

There are 2 common methods to create a waterproof seal under columns.

- Column Option 1 - Preprufe Membrane is placed over the column footing and directly under the column. Tie-in penetrations such as rebar and threaded rod that penetrate the membrane should be sealed with Bituthene Liquid Membrane. Cut the membrane tight to the penetration. If membrane is not within 1/2" (12 mm) of penetration, apply Preprufe Tape to cover the gap. Mix and apply Bituthene Liquid Membrane around the penetration. Bituthene Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet around the penetration at the point of penetration. Bituthene Liquid Membrane should be applied as a 90 mil (2.2 mm) continuous coating overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe membrane.
- Column Option 2 - Preprufe Membrane is placed below the column footing before it is poured. The membrane is installed following the vertical and horizontal application instructions described earlier in this section. When placing the membrane, it is important to leave sufficient length of Preprufe 300R beyond the footing to allow for tie-in to the Preprufe Membrane that will be laid to waterproof the general slab area. The release liner must not be removed from this extra length, and it should be protected from damage until the tie-in details are completed.

Grade Beam Pile Caps

The preferred methods to waterproof pile caps are to either "tank" or "cover" the pile cap.

- Pile Cap Option 1 (Tanking Option) - Install Preprufe Membrane over the prepared substrate as instructed in horizontal applications above. Preprufe Membrane is placed in the area formed for the pile cap before the concrete is poured. When placing the membrane, it is important to leave sufficient length of Preprufe beyond the pile cap area to allow for tie-in to the Preprufe Membrane that will be laid to waterproof the general slab area. Cut membrane tight to each pile and complete detail around each pile as instructed earlier in this section for a Penetration Detail.
- Pile Cap Option 2 (Covering Option) - For mud slabs, clean loose dust or dirt from the

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pile cap and mud slab surface using a clean, dry cloth or brush. Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor over the top of the pile cap. Place a 1" (25.4 mm) bead of Liquid Membrane or Procor around all penetrations at the point of penetration through the pile cap. Prime along the edge of the mud slab a minimum of 6" (150 mm) from the edge of pile cap with a Bituthene Primer and allow to dry. Align a 9" (225 mm) strip of Bituthene Membrane centered over the edge of the pile cap. Remove release liner and roll firmly onto the Liquid Membrane and primed mud slab. Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

Pile Cap Option 2 for Compacted Earth

Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor over the top of the pile cap. Place a 1" (25.4 mm) bead of Liquid Membrane or Procor around all penetrations at the point of penetration through the pile cap. Remove compacted earth away from the sides of pile cap. Clean loose dust or dirt from the pile cap surface using a clean, dry cloth or brush.

Prime the sides of the pile cap a minimum of 6" (150 mm) from the top of pile cap with a Bituthene Primer and allow to dry. Align a 9" (225 mm) strip of Bituthene Membrane centered over the outside edge (outside corner) of the pile cap. Remove release liner and roll firmly onto the Liquid Membrane and primed sides of pile cap. Align a 12" (300 mm) strip of Bituthene Membrane centered over the outside edge (outside corner) of the pile cap. Remove half of release liner by scoring release liner along the center of the strip.

Roll firmly onto the sides of pile cap with the 9" (225 mm) strip of Bituthene Membrane and the remaining primed pile cap. Leave the other half of the 12" (300 mm) strip with the release liner still intact in order to receive the Preprufe Membrane. Replace earth/fill and compact per standard back-filling instructions being careful not to damage the Bituthene strip including the non-bonded portion. Invert the Bituthene strip, and remove the remaining release liner to expose the adhesive portion of the Bituthene.

Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Roll firmly onto the inverted Bituthene strip. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

Pile Cap Option 2 for Non-Continuous Covering

If the Structural Engineer or the design does not allow for the waterproofing to "cover" the pile cap, there must be a minimum 6" (150 mm) continuous shoulder along the perimeter of the pile cap to allow for a proper termination. Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor onto the top of the pile cap along the outside edge.

Apply a 6" (150 mm) strip of Bituthene Membrane onto the Bituthene Liquid Membrane or Procor along the edge of the pile cap. Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

Construction Joints

Install the Preprufe membrane according to standard horizontal and vertical application instructions detailed above. Preprufe CJ Tape should be applied to the surface of the Preprufe membrane and centered along the line of all concrete joints. Remove release liner and roll firmly.

Tie-Ins

Preprufe 160R to Preprufe 300R Sub Slab Waterproofing - Install Preprufe 300R Membrane over the prepared substrate as detailed in horizontal and vertical applications above. Continue onto the vertical surface of the prepared soil retention system a minimum of 18" (450 mm) above the finished elevation of the structural floor slab.

Secure the top of the membrane to temporarily hold it in place on the vertical substrate. Care should be taken to prevent damage to this exposed membrane from concrete back-splash as well as slag from rebar welding in wall forms. The exposed membrane on the vertical surface can be protected with protection board, plywood or other materials.

Following the vertical application instructions detailed above, install Preprufe 160R Membrane over the prepared vertical soil retention system. Unfasten the vertical length of the Preprufe 300R Membrane and tuck the Preprufe 160R behind the 18" (450 mm) length of Preprufe 300R, ensuring a minimum 3" (75 mm) lap. Complete the detail by installing Preprufe Tape centered over the lap being careful to seal any holes from fasteners. Roll firmly and remove the release liner.

Preprufe 300R to Post-Applied Wall Waterproofing - There are 2 options available to tie Preprufe 300R Membrane into wall waterproofing. In Option 1, the Preprufe 300R Membrane is installed under the concrete slab and the footing. Option 2 is intended for applications where the Preprufe 300R Membrane and wall waterproofing are connected through the wall and footing junction.

- Option 1 - Install Preprufe 300R Membrane over the prepared horizontal substrate and extend it up the vertical surface of the slab formwork. Terminate the membrane 6" (150 mm) above the top elevation of the structural floor slab or wall footing. Once the slab or footing is poured and cured for 7 days, remove the forms and trim the excess membrane above the slab (see Technical Letters). Install the wall membrane according to standard application procedures of the post-applied waterproofing manufacturer. Ensure that the wall membrane overlaps onto the surface of the Preprufe 300R by a minimum of 6" (150 mm).
- Option 2 - Prior to the pouring of the wall, apply a 90 mil (2.2 mm) coating of Bituthene Liquid Membrane on top of the footing area using standard application procedures. Extend the Bituthene Liquid Membrane 3" (75 mm) beyond the proposed wall width in each direction. Install the wall membrane according to standard application procedures of the post-applied waterproofing manufacturer. Ensure that the wall membrane overlaps onto the surface of the Preprufe 300R by a minimum of 6" (150 mm). On the inside of the wall, install a minimum 9" (225 mm) strip of Bituthene sheet membrane over the Bituthene Liquid Membrane that extends beyond the footing area. Install Bituthene Membrane by removing the release liner and firmly rolling the product in place. Install Preprufe 300R Membrane over the prepared substrate and terminate it at the center of the Bituthene sheet membrane strip. Apply Preprufe CJ Tape centered over the Preprufe

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300R Membrane termination. Remove the release liner and roll firmly.

Preprufe 160R to Plaza Deck Waterproofing - Install Preprufe 160R over the prepared vertical surface following the standard vertical application instructions above. Terminate the Preprufe 160R Membrane 6" (150 mm) above the proposed height of the finished wall. Once the wall is poured and properly cured, remove temporary forming and trim the excess Preprufe 160R remaining above the wall. Install the plaza deck waterproofing according to the manufacturer's standard installation procedures. Ensure that the plaza deck waterproofing overlaps the 160R membrane a minimum of 9" (225 mm) and terminate it onto the Preprufe 160R using a bead of Bituthene Liquid Membrane.

Preprufe 160R to Post-Applied Wall Waterproofing - Install Preprufe 160R over the prepared vertical surface following the standard vertical application instructions above. Extend the Preprufe 160R Membrane 12" (300 mm) beyond the end of the blind-side wall. As the foundation wall formwork is installed, fold the 12" (300 mm) piece of Preprufe 160R Membrane to form a sharp corner. Secure it to the inside face of the exterior form panel. Once the wall is poured and cured for seven days, remove the formwork and install the post-applied waterproofing according to the manufacturer's standard installation procedures.

Preprufe 300R Membrane Wall Termination

- Option 1 (Liquid Membrane Detail) - Install Preprufe 300R Membrane over a mud slab as detailed in horizontal applications above. For compacted earth, contact a local Grace representative. Install Preprufe 300R Membrane tight to all vertical and horizontal intersections. At the termination of the membrane, place a 1" (25.4 mm) fillet of Bituthene liquid membrane and trowel a 90 mil (2.2 mm) coating a minimum of 3" (75 mm) onto vertical and horizontal surfaces. Remove the release liner and install a minimum 12" (300 mm) strip of Bituthene Membrane centered over the horizontal termination. Install Preprufe Tape to cover the strip of Bituthene Membrane by overlapping a minimum of 1" (25.4 mm) until a minimum of 2" (51 mm) overlap onto the Preprufe Membrane is achieved. Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the wall with a bead of Bituthene Liquid Membrane.
- Option 2 (Sheet Membrane Detail) - Install Preprufe 300R Membrane over the prepared substrate as detailed in horizontal applications above. Install Preprufe 300R Membrane tight to all vertical and horizontal intersections. Install a minimum 6" (150 mm) strip of Bituthene Membrane on the vertical surface along the joint. Mix and apply Bituthene Liquid Membrane to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane and the wall. Install Preprufe CJ Tape 6" (150 mm) from the edge of the wall onto the Preprufe Membrane and terminate 2" (51 mm) onto the strip of Bituthene Membrane. Install Preprufe CJ Tape onto the strip of Bituthene Membrane and overlap onto the previous Preprufe CJ Tape a minimum of 2" (51 mm). Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the wall with a bead of Bituthene Liquid Membrane.

Membrane Repair

Inspect the membrane for damage before placement of reinforcing steel, formwork and concrete. Repair small punctures 1/2" (12 mm), or less, and slices by applying Preprufe Tape centered over the damaged area and roll firmly. Remove the release liner from the tape. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6" (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape, remove the release liner from the tape and roll firmly.

CONCRETE PLACEMENT

Lightly soiled membrane should be cleaned with air blower and heavily soiled membrane should be cleaned with a power-washer. Cast concrete within 56 days (42 days in hot climates) of application of the membrane. Concrete must be placed carefully to avoid damage to the membrane. Never use a sharp object to consolidate concrete.

REMOVAL OF FORMWORK

Preprufe Membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured, the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe Membranes are not recommended for conventional twin-sided wall forming systems.

A minimum concrete compressive strength of 1500 psi (10 N/mm^2) is recommended prior to stripping formwork supporting Preprufe Membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

As a guide, to reach the minimum compressive strength stated above, a structural concrete mix with an ultimate strength of 6000 psi (40 N/mm^2) will typically require a cure time of approximately 6 days at an average ambient temperature of 25 degrees F (-4 degrees C) or 2 days at 70 degrees F (21 degrees C).

6. Availability & Cost

AVAILABILITY

A network of distributors carries Preprufe and Bituthene products for prompt delivery to project sites.

COST

For specific information, contact a local distributor or a Grace Construction Products representative.

7. Warranty

A 5 year material warranty for Preprufe and Bituthene membrane products is available from the manufacturer upon request.

8. Maintenance

Preprufe 300R and Preprufe 160R membranes will not require maintenance when installed in accordance with Grace's recommendations.

9. Technical Services

Support is provided by full-time, technically trained Grace field sales representatives and technical service personnel, backed by a central research and development staff.

10. Filing Systems

- Reed First Source
- Additional product information is available from the manufacturer.

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APPENDIX 5

HEALTH AND SAFETY PLAN

CONSTRUCTION HEALTH & SAFETY PLAN

225-227 Boerum Street
Block 3073, Lots 97
Brooklyn, New York

OER Project Number 14RHAZ180K

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1.0 INTRODUCTION

This Construction Health & Safety Plan (CHASP) has been prepared by Hydro Tech Environmental, Corp. (Hydro Tech) as a part of the Remedial Action Work Plan (RAWP) for 225-227 Boerum Street (Block 3073 and Lot 97) and situated in the borough of Brooklyn, New York.

This CHASP will conform to applicable regulations, safe work practices and the project's requirements, and addresses those activities associated with the development of a 4-story residential building with a full cellar. No open space is proposed as part of this development.

The Hydro Tech Project Manager (PM), Site Safety Officer (SSO) and field staff (when necessary) will implement the Plan during construction. Compliance with this HASP is required of all persons and third parties who perform the scope of work documented for this project. Assistance in implementing this CHASP can be obtained from the SSO. The content of this CHASP may change or undergo revisions based upon additional information that is made available to health and safety personnel, monitoring results, or changes in the technical scope of work.

It should be noted that this CHASP does not apply to any other scopes of work that may be performed at the Site that are not specifically outlined in this report. Through preparation of this HASP, Hydro Tech and all Subcontractors (if any) do not guarantee the health or safety of any person entering this Site. Due to the nature of this Site and the activities occurring thereon, it is not possible to discover, evaluate and provide protection for all possible hazards that may be encountered. Only those portions of this CHASP that specifically apply to authorized personnel of Hydro Tech will enact the activities at the Site. Strict adherence to the applicable portions of these health and safety guidelines set forth herein will reduce, but not eliminate the potential for injury at this Site. The health and safety guidelines in this CHASP were prepared specifically for this Site and should not be utilized for any other site without prior research and evaluation by trained health and safety specialists and approval by Hydro Tech.

2.0 SCOPE OF WORK

This Construction HASP has been prepared as a part of the RAWP to be implemented during the upcoming development of the Site. Prior environmental assessments identified Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and Metals including lead in groundwater and soil/fill beneath the Site at concentrations exceeding their respective Unrestricted Use Soil Cleanup Objectives (SCOs). A range of vapors associated with organic solvents and petroleum constituents were also detected beneath the Site.

The portions of the construction activities specifically addressed in this Construction HASP will include the following and will be performed in the following sequence:

- Supervision of the excavation of soil/fill and other material
- Supervision of the installation of concrete foundations
- Supervision of the installation of vapor barrier

Prior to any fieldwork, the New York City One-Call Unit will be contacted so that all public utilities can be marked out. The proposed schedule of fieldwork will be coordinated with the developer and the OER.

3.0 STAFFING

This section briefly describes the personnel involved in Site remedial activities, their contact information and their health and safety responsibilities. This section also provides directions to hospital in the case of a health emergency.

EMERGENCY NUMBERS

Contact	Phone Number
Woodhull Medical Center	(718) 963-8000
New York City EMS	911
NYPD	911
NYFD	911
National Response Center	(800) 424-8802
Poison Information Center	(800) 562-8816
Chemtree	(800) 424-9555

Site Contacts

Title	Contact	Phone Number
Site Emergency	David Schwartz	646-442-4202

Project Management/Health and Safety Personnel

Title	Contact	Phone Number	Cell Phone
Geologist	Rachel Ataman	(631) 462-5866	(631) 457-0032
Site Safety Officer	Paul I. Matli	(718) 636-0800	(631) 241-7264
Project Manager	Paul I. Matli	(718) 636-0800	(631) 241-7165

Directions To Woodhull Medical Center (See Attached Figure 1)
Upon leaving the Site, head east on Boerum Street towards White Street. Turn left onto White Street. Turn left onto Humboldt Street and continue onto Sumner Place after crossing Flushing Avenue. Turn right onto Broadway and Woodhull Medical Center will be on the left.

PROJECT MANAGER

As necessary, the Project Manager will perform the following:

- Has the overall responsibility for the health and safety of site personnel
- Ensures that adequate resources are provided to the field staff to carry out their responsibilities as outlined below.
- Ensures that fieldwork is scheduled with adequate personnel and equipment resources to complete the job in a safe manner.
- Ensures that adequate communication between field crews and emergency response personnel is maintained.
- Ensures that field site personnel are adequately trained and qualified to work at the Site.

SITE SAFETY OFFICER

As necessary, the Site Safety Officer will perform the following:

- Directs and coordinates health and safety monitoring activities.
- Ensures that field teams utilize proper personal protective equipment (PPE).
- Conducts initial on-Site, specific training prior to personnel and/or subcontractors proceeding to work.
- Conducts and documents periodic safety briefings; ensures that field team members comply with this Construction HASP.
- Completes and maintains Accident/Incident Report Forms.
- Notifies corporate administration of all accidents/incidents.
- Determines upgrade or downgrade of PPE based on site conditions and/or downgrade of PPE based on site conditions and/or real-time monitoring results.
- Ensures that monitoring instruments are calibrated daily or as determined by manufacturer's suggested instructions.
- Maintains health and safety field log books.
- Develops and ensures implementation of the Construction HASP.
- Approves revised or new safety protocols for field operations.
- Coordinates revisions of this Construction HASP with field personnel and the SSO Division Contracting Officer.
- Responsible for the development of new company safety protocols and procedures and resolution of any outstanding safety issues which may arise during the conduction of site work.
- Reviews personnel and subcontractors current and up-to-date medical examination and acceptability of health and safety training.

FIELD PERSONNEL AND SUBCONTRACTORS (IF ANY)

- Reports any unsafe or potentially hazardous conditions to the SSO
- Maintains knowledge of the information, instructions, and emergency response actions contained in this Construction HASP.

- Comply with rules, regulations and procedures as set forth in this Construction HASP and any revisions that are instituted.
- Prevents admittance to work sites by unauthorized personnel.

4.0 CHEMICAL & WASTE DESCRIPTION/CHARACTERIZATION

The following list of compounds is based on the results of the recent subsurface investigation:

Volatile Organic Compounds in soil:

Semi Volatile Organic Compounds in soil:

- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Indeno(1,2,3-cd) pyrene
- 2-methylphenol

Pesticides in Soil

- 4,4′-DDT

Heavy Metals in soil:

- Lead
- Mercury
- Zinc

Volatile Organic Compounds in soil vapors:

- Chloroform
- Ethyl Benzene
- Methylene chloride
- n-Heptane
- n-Hexane
- o-Xylene
- p- & m- Xylenes
- Tetrachloroethylene
- Toluene
- 1,1,1-Trichloroethane
- 1,2,4-Trimethylbenzene
- Acetone
- Benzene
- Carbon tetrachloride

Appendix A contains Material Safety Data Sheets

The following information references are presented in order to identify the properties, characteristics and hazards of the compounds and metals that may/will be encountered at the Site.

* Dangerous Properties of Industrial Materials - Sax
* Chemical Hazards of the Workplace - Proctor/Hughes
* Condensed Chemical Dictionary - Hawley
* Rapid Guide to Hazardous Chemical in the Workplace - Lewis 1990.
* NIOSH Guide to Chemical Hazards – 1990.
* ACGIH TLV Values and Biological Exposure Indices - 1991-1992.

5.0 HAZARD ASSESSMENT AND MITIGATION

The potential hazards associated with planned site activities include chemical, physical and biological hazards associated with the construction. This section discusses those hazards that are anticipated to be encountered during the activities listed in the scope of work.

The potential to encounter chemical hazards is dependent upon the work activity performed (invasive or non-invasive), the duration, and location of the work activity. Such hazards could include inhalation or skin contact with chemicals that could cause: dermatitis, skin burn, being overcome by vapors, or asphyxiation. In addition, the handling of contaminated materials and chemicals could result in fire and/or explosion.

The potential to encounter physical hazards during site work includes: heat stress, exposure to excessive noise, loss of limbs, being crushed, head injuries, cuts and bruises, and other physical hazards due to motor vehicle operation, heavy equipment and power tools.

CHEMICAL HAZARDS

The potential for personnel and subcontractors to come in contact with chemical hazards may occur during the following tasks:

- Excavation
- Installation of vapor barrier
- Pouring of concrete foundation(s)

Exposure Pathways

Exposure to these compounds during ongoing activities may occur through inhalation of contaminated dust particles, inhalation of volatile vapor fume compounds, by way of dermal absorption, and accidental ingestion of the contaminant by either direct or indirect cross contamination activities (eating, smoking, poor hygiene). Indirectly, inhalation of contaminated dust particles can occur during adverse weather conditions (high or changing wind directions) or during operations that may generate airborne dust such as excavation.

Dust Suppression

The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities.

1. Applying water on haul roads.
2. Wetting equipment and excavation faces.
3. Spraying water on buckets during excavation and dumping.
4. Hauling materials in properly sealed or watertight containers.
5. Restricting vehicle speeds to 10mph.

6. Covering excavated areas and material after excavation activity ceases.
7. Reducing the excavation size and/or number of excavations.
8. Applying a dust suppressant, such as calcium chloride, in high vehicle traffic areas.

To evaluate the effectiveness if the dust suppression measures, air monitoring will be performed utilizing real-time dust-monitoring equipment. The requirements for air monitoring during post-remediation soil disturbance activities are presented in Section 5.0.

Additional Precautions
Dermal absorption or skin contact with chemical compounds is possible during invasive activities at the Site, including the excavation and/or capping of soils. The use of PPE in accordance with Section 9.0 and strict adherence to proper decontamination procedures should significantly reduce the risk of skin contact.

The potential for accidental ingestion of potentially hazardous chemicals is expected to be remote, when good hygiene practices are used. Unauthorized personnel, including all children, will not be allowed access to the Site.

PHYSICAL HAZARDS
A variety of physical hazards may be present during Site activities. These hazards are similar to those associated with any construction type project and include digging or boring operations and excavation activities in the vicinity of underground utility locations. These physical hazards are due to motor vehicles, and heavy equipment operation, the use of improper use of power and hand tools, misuse of pressurized cylinders, walking on objects, tripping over objects, working on surfaces which have the potential to promote falling, mishandling and improper storage of solid and hazardous materials, skin burns, crushing of fingers, toes, limbs, hit on the head by falling objects or hit one's head due to not seeing the object of concern, temporary loss of one's hearing and/or eyesight. Theses hazards are not unique and are generally familiarly to most hazardous waste site workers at construction sites. Additional task specific safety requirements will be covered during safety briefings.

6.0 SPILL PREVENTION AND CONTROL PLAN

Accidental spill and leaks of hazardous and non-hazardous materials will be properly controlled so that they do not adversely impact storm drain systems or receiving waters. A spill prevention and control plan will include the following:

Spill/Leak Prevention Measures;
-Place any material under cover (tarp) and away from storm drains or sensitive water bodies
-Properly label all containers so that the contents are easily identifiable
-Berm storage areas so that if a spill or leak occur they are easily contained

Spill Response Procedures
- Assessment of the Site and potential impacts by the SSO
- Containment of the material
- Notification of the personnel present at the Site and ensure evacuation procedure if necessary.

Spill Cleanup Procedures
-If small non-hazardous spill, use cleanup materials such as absorbents or rags and damp cloths and dispose of properly;
-If large non-hazardous spill or hazardous spill, a private hazmat team may need to be contacted to assess the situation and conduct the cleanup and proper disposal of the material.

Reporting
-Petroleum spills will be reported immediately to the NYSDEC Spill Hotline.
-If material is unknown or hazardous, contact the local Fire Department.

Training
-The SSO is responsible for providing refreshment training to all employees working on-site about spill prevention, spill response and cleanup on a routine basis.
-The SSO will identify key spill response personnel to assist in the spill control and cleanup procedures.

7.0 TRAINING

GENERAL HEALTH AND SAFETY TRAINING
In accordance with 29 CFR 1910.120, all construction personnel involved with the portions of the scope of work described in Section 2.0 will be briefed by the Project Manager on the potential hazards and the overall requirements in meeting the specifications of this Construction HASP.

The SSO will have the responsibility of ensuring that personnel assigned to this project comply with these requirements. Written certification of completion of any required training, if necessary, will be provided to the SSO.

MANAGER/SUPERVISOR TRAINING
In accordance with 29 CFR 1910.120, on-Site management and supervisors who will be directly responsible for, or who supervise employees engaged in hazardous waste operation shall receive training as required in this Construction HASP and at least eight (8) additional hours of specialized training on managing such operations at the time of job assignment.

ANNUAL 8-HOUR REFRESHER TRAINING
Annual 8-hour refresher training will be required of all hazardous waste site field personnel in order to maintain their qualification for fieldwork. The following topics will be reviewed: toxicology, respiratory protection, including air purifying devices and self-contained breathing apparatus (SCBA), medical surveillance, decontamination procedures and personnel protective clothing. In addition, topics deemed necessary by the SSO may be added to the above list.

SITE SPECIFIC TRAINING
Prior to commencement of field activities, all personnel assigned to the project will be provided training that will specifically address the activities, procedures, monitoring, and equipment for the site operations. It will include Site and facility layout, hazards, and emergency services at the Site, and will highlight all provisions contained within this Construction HASP. This training will also allow field workers to clarify anything they do not understand and to reinforce their responsibilities regarding safety and operations for their particular activity.

ON-SITE SAFETY BRIEFINGS
Project personnel and visitors will be given periodic on-site health and safety briefings by the SSO, or their designee, to assist site personnel in safely conducting their work activities. The briefings will include information on new operations to be conducted, changes in work practices, or changes in the Site's environmental conditions. The briefings will also provide a forum to facilitate conformance with safety requirements and to identify performance deficiencies related to safety during daily activities or as a result of safety audits.

ADDITIONAL TRAINING
Additional training may be required by the SSO for participation in certain field tasks during the course of the project. Such additional training could be in the safe operation of heavy or power tool equipment or hazard communication training.

HAZWOPER TRAINING
All remedial personnel that will be in direct contact with the native soil/fill materials must complete an initial 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training course and, where necessary, a current 8-hour refresher course

SUBCONTRACTOR TRAINING
Subcontractor personnel working on-site may be exempted from the contents of this Construction HASP. The SSO will determine if this exemption is allowed. In any case, the subcontractor personnel who are exposed to hazards are not exempted from the contents of this Construction HASP.

8.0 MEDICAL SURVEILLANCE

GENERAL
No general or specific medical surveillance or other medical requirements are set forth in this Construction HASP.

9.0 SITE CONTROL, PPE & COMMUNICATIONS

SITE CONTROL
The area where the activities of the scope of work will be performed is considered to be the Exclusion Zone (EZ). All areas where excavation and handling of contaminated materials take place are considered the EZ. This zone will be clearly delineated by cones, tape, or other means. The SSO may establish more than one EZ where different levels of protection may be employed or where different hazards exist. Personnel are not allowed in the EZ without:

- A buddy
- Appropriate personal protective equipment (as necessary)

The remaining portions of the Site outside of the EZ will consist of a Support Zone (SZ) and a Contamination Reduction Zone (CRZ). Appropriate sanitary facilities, safety equipment, packaged/decontaminated and labeled samples will be located in SZ. Potentially contaminated personnel or materials will be allowed in the CRZ for decontamination as necessary.

PERSONAL PROTECTIVE EQUIPMENT

General

The level of protection worn by field personnel will be enforced by the SSO. Levels of protection may be upgraded or downgraded at the discretion of the SSO. The decision shall be based on real-time air monitoring, site history data, and prior site experience. Any changes in the level of protection shall be recorded in the health and safety field logbook.

PPE Specifications

For tasks requiring Level C PPE, the following equipment shall be used:

- Cotton or disposable coveralls
- Disposable outer coveralls (Poly-coated Tyvek)
- Gloves, inner (latex)
- Gloves, outer (Nitrile®)
- Boots (PVC), steel toe/shank
- Boot covers (as needed)
- Hard Hat
- Hearing protection (as needed)
- Splash suit and face shield for decontamination operations (as needed)

For tasks requiring Level D PPE, the following equipment shall be used:

- Cotton or disposable coveralls
- Gloves, inner (latex)
- Gloves, outer (Nitrile®)
- Boots (PVC) steel toe/shank
- Boot covers (as needed)
- Hard hat
- Hearing protection (as needed)
- Safety glasses

For tasks requiring Level D PPE, the following equipment shall be used:

- Cotton or disposable coveralls
- Gloves, inner (latex)
- Gloves, outer (Nitrile®)
- Boots (PVC) steel toe/shank
- Boot covers (as needed)
- Hard hat
- Hearing protection (as needed)
- Safety glasses

For tasks requiring respiratory protection, the following equipment shall be used:

Level D - No respiratory protective equipment necessary except for a dust mask
Level C - A full-face air-purifying respirator equipped with organic vapor/pesticide-HEPA cartridges
Level B - An air line respirator or a self-contained breathing apparatus (SCBA)

LEVEL OF PERSONAL PROTECTIVE EQUIPMENT REQUIRED

Activity	Level of Protection Respiratory/PPE
Excavations	C/D
Foundation Construction	C/D

COMMUNICATIONS

Communications is the ability to talk with others. While working in Level C Protection, personnel may find that communication become a more difficult task and process to accomplish. This is further complicated by distance and space. In order to address this problem, electronic instruments, mechanical devices or hand signals will be used as follows:

- Walkie-Talkies - Hand held radios would be utilized as much as possible by field teams for communication between downrange operations and the Command Post base station.

- Telephones - A mobile telephone will be located in the Command Post vehicle in the Support Zone for communication with emergency support services/facilities. If a telephone is demobilized, the nearest public phones will be identified.

- Air Horns - A member of the downrange field team will carry an air horn and another will be evident in the Support Zone to alert field personnel to an emergency situation.

- Hand Signals - Members of the field team using the buddy system will employ this communication method. Signals become especially important when in the vicinity of heavy moving equipment and when using Level B respiratory equipment. The signals shall become familiar to the entire field team before site operations commence and they will be reinforced and reviewed during site-specific training.

HAND SIGNALS FOR ON-SITE COMMUNICATION

Signal	Meaning
Hand gripping throat	Out of air, can't breathe
Grip partners' wrist	Leave area immediately; no debate
Hands on top of head	Need assistance
Thumbs up	OK, I'm all right; I understand
Thumbs down	No; negative, unable to understand you. I'm not all right

10.0 AIR MONITORING PLAN

GENERAL

Continuous air monitoring in the EZ during invasive tasks will accompany site operations, as indicated in this HASP or as required by the SSO. Monitoring will be performed to verify the adequacy of respiratory protection, to aid in site layout and to document work exposure. All monitoring instruments shall be operated by qualified personnel only and will be calibrated daily prior to use, or more often as necessary. For additional references and information, see Hydro Tech's Site-Specific Air Monitoring Program.

REAL-TIME MONITORING

Instrumentation

A PID (to monitor total volatile organic concentrations) will be used to measure worker breathing zone ambient on-site concentrations during on-site activities. The equipment will be calibrated daily and the results noted in the project field book. A background level will be established, at a minimum, on a daily basis, and recorded in the field book.

The following response actions will be taken based on PID readings in the breathing zone. All work will be performed in level D PPE unless breathing zone volatile organic concentrations exceed 5 ppm. Once levels of 25 ppm are measured, work will be stopped.

Volatile Organics	Photoionization Detector (PID)	>5ppm	Temporarily halt work activities & monitor until readings decrease to below 5ppm.
		>5ppm<25ppm	Halt work activities, upgrade to level C continue monitoring.
		>25ppm	Shut down work activities

During soil excavation, particulate monitoring will be performed using a real-time particulate monitor that will monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

Object to be measured: Dust. Mists, Aerosols
Size range: < 0.1 to 10 microns
Sensitivity: 0.001 mg/m3
Overall Accuracy: = 10% as compared to gravimetric analysis of stearic acid or reference dust.

Particulate levels will be monitored immediately downwind at the working site and integrated over a period not to exceed 15 minutes. The action level will be established at 150 ug/m3 over the integrated period not to exceed 15 minutes.

Action Levels

Action levels for upgrading of PPE in this Construction HASP will apply to all site work during the duration of field activities at the Site. The action level is the presence of visible airborne dust. When airborne dust is observed, specific dust-mitigating procedures will be implemented. These dust-mitigating procedures are documented in Section 6.0.

11.0 SAFETY CONSIDERATIONS

GENERAL

In addition to the specific requirements of this HASP, common sense should be used at all times. The general safety rules and practices below will be in effect at the Site at the discretion of the Project Manager, SSO or other authorized personnel.

- The site will be suitably marked or barricaded as necessary to prevent unauthorized visitors but not hinder emergency services if needed.

- As needed, all open holes, trenches, and obstacles will be properly barricaded in accordance with local site requirements. These requirements will be determined by proximity to traffic ways, both pedestrian and vehicular, and site of the hole, trench, or obstacle. If holes are required to be left open during non-working hours, they will be adequately decked over or barricaded and sufficiently lighted.

- Before any digging or boring operations are conducted, underground utility locations will be identified. All boring, excavation, and other site work will be planned and performed with consideration for underground lines. Any excavation work will be performed in accordance with Hydro Tech's Standard Operating Procedures for Excavations.

- Either workers or other people will enact dust-mitigating procedures when the potential for the inhalation of dust particles is present.

- The act of smoking and/or ignition sources in the vicinity of potentially flammable or contaminated material is strictly prohibited.

- Drilling, boring, and use of cranes and drilling rigs, erection of towers, movement of vehicles and equipment and other activities will be planned and performed with consideration for the location, height, and relative position of aboveground utilities and fixtures, including signs; canopies; building and other structures and construction; and natural features such as trees, boulders, bodies of water, and terrain.

- When working in areas where flammable vapors may be present, particular care shall be exercised with tools and equipment that may be sources of ignition. All tools and equipment provided must be properly bonded and/or grounded. Metal buttons and zippers are prohibited on safety clothing for areas that may contain a flammable or explosive atmosphere.

- Approved and appropriate safety equipment (as specified in this Construction HASP), such as eye protection, hard hats, foot protection, and respirators, must be worn in areas where required. In addition, eye protection must be worn when sampling soil or water that may be contaminated.

- No smoking, eating, chewing tobacco, gum chewing, or drinking will be allowed in the contaminated areas.

- Contaminated tools and hands must be kept away from the face.

- Personnel must use personal hygiene safe guards (washing up) at the end of the shift or as soon as possible after leaving the Site.

- Each sample must be treated and handled as though it were contaminated.

- Persons with long hair and/or loose fitting clothing that could become entangled in power equipment must take adequate precautions.

- Horseplay is prohibited in the work area.

- Work while under the influence of intoxicants, narcotics, or controlled substances is prohibited.

POSTED SIGNS
Posted danger signs will be used where an immediate hazard exists. Caution signs will be posted to warn against potential hazards and to caution against unsafe practices. Traffic control methods and barricades will be used as needed. Wooden stakes and flagging tape, or equally effective material will be used to demarcate all restricted areas.

Other postings may include the OSHA poster, emergency hospital route, and telephone numbers of contact personnel.

INVASIVE OPERATIONS
The SSO will be present on-Site during all invasive work (e.g. excavations and capping). The SSO will ensure that appropriate monitoring, levels of protection, and safety procedures are followed. No personnel will enter any excavations for any reasons. All non-essential personnel will stay at least 10 feet back from the edge of the excavation and out of the swing radius of the backhoe. No drums or other potential sources will be sampled or removed during this phase without further additions to the Construction HASP.

The proximity of water, sewer, and electrical lines will be identified prior to invasive operations. The possibility of the presence of underground conduits or vessels containing materials under pressure will also be investigated prior to invasive operations. Properly-sized containment systems will be utilized and consideration of the potential volume of liquid or waste released during operations will be discussed with members of the field team to minimize the potential for spills and provide a method for collection of waste materials. Emergency evacuation procedures and the location of safety equipment will be established prior to start up operations. The use of protective clothing, especially hard hats, boots, and gloves will be required during drilling and other heavy equipment work.

SOIL, GROUNDWATER AND LIQUID WASTE SAMPLING
During Site invasive excavation, soil sampling for waste characterization may be required for disposal purposes. No groundwater or liquid waste sampling is anticipated during site remediation.

HEAVY EQUIPMENT DECONTAMINATION
Personnel steam cleaning heavy equipment, if necessary shall use the prescribed level of protection and adhere to the buddy system. Initially this task usually employs Level C. The heavy equipment decontamination shall be restricted to authorized personnel only. Special consideration will be given to wind speed and direction. Downwind areas are to be kept free of personnel to avoid unnecessary exposure to potential airborne contamination.

ADDITIONAL SAFETY CONSIDERATIONS
No other additional safety considerations at this time.

12.0 DECONTAMINATION AND DISPOSAL PROCEDURES

CONTAMINATION PREVENTION

One of the most important aspects of decontamination is the prevention of contamination. Good contamination prevention should minimize worker exposure and help ensure valid sample results by precluding cross-contamination. Procedures for contamination avoidance include:

Personnel:
Do not walk through areas of obvious or known contamination.
Do not directly handle or touch contaminated materials.
Make sure that there are no cuts or tears on PPE.
Fasten all closures in suits; cover with tape if necessary.
Particular care should be taken to prevent any skin injuries.
Stay upwind of airborne contaminants.
Do not carry cigarettes, cosmetics, gum, etc. into contaminated areas.

Sampling and Monitoring:
When required by the SSO, cover instruments with clear plastic, leaving openings for sampling ports. Keep all decontaminated sampling materials in bags prior to emplacement of sample matrix.

Heavy Equipment:
Care should be taken to limit the amount of contamination that comes in contact with heavy equipment (tires). Dust control measures may be needed on roads inside the site boundaries.

PERSONNEL DECONTAMINATION

All personnel shall pass through an outlined decontamination procedure when exiting the hot zone at each location. A field wash for equipment and PPE shall be set up at each work location. The system will include a gross wash and rinse for all disposable clothing and boots worn in the EZ. Upon exiting the EZ, all personnel will wash their hands, arms, neck, and face before entering the Support Zone.

EQUIPMENT DECONTAMINATION

Equipment used at the Site that is potentially contaminated shall be decontaminated to prevent hazardous materials from leaving the Site. All heavy equipment will be decontaminated at the decontamination pad and inspected by the SSO and Project Manager before it leaves the Site. The decontamination area will provide for the containment of all wastewater from the decontamination process. Respirators, airline and any other personnel equipment that comes in contact with contaminated soils shall pass through a field wash.

DECONTAMINATION DURING MEDICAL EMERGENCIES

If emergency life-saving first aid and/or medical treatment are required, normal decontamination procedures may need to be abbreviated or omitted. The Site SSO or designee will accompany contaminated victims to the medical facility to provide advice on matters involving decontamination, when necessary. The outer garments can be removed if they do not cause delays, interfere with treatment, or aggravate the problem. Respiratory equipment must always be removed. Protective clothing can be cut away. If the outer contaminated garments cannot be safely removed, a plastic barrier between the individual and clean surfaces should be used to help prevent contaminating the inside of ambulances and /or medical personnel. Outer garments are then removed at the medical facility.

No attempt will be made to wash or rinse the victim, unless it is known that the individual has been contaminated with an extremely toxic or corrosive material that could also cause severe injury or loss of life to emergency response personnel. For minor medical problems or injuries, the normal decontamination procedures will be followed. Note that heat stroke requires prompt treatment to prevent irreversible damage or death. Protective clothing must be promptly removed. Less serious forms of heat stress also require prompt attention and removal of protective clothing immediately. Decontamination should be omitted or minimized and treatment begun immediately unless the victim is obviously contaminated.

DISPOSAL PROCEDURES

The SSO and Project Manager will develop a segregating system of non-hazardous waste and hazardous waste. All discarded material, waste materials, or other objects shall be handled in such a way as to preclude the potential for spreading contamination, creating sanitary hazards, orcausing litter to be left on site. All potentially contaminated materials, e.g. clothing, gloves, etc., will be bagged or drummed as necessary, labeled and segregated for disposal. All non-contaminated materials shall be collected and bagged for appropriate disposal as normal domestic waste.

13.0 EMERGENCY PLAN

The potential for the development of an emergency situation is low considering the low concentrations of hazardous substances at the work site. Nevertheless, an emergency situation could occur. All personnel, prior to the start of work, will know the emergency plan outlined in this section. The emergency plan will be available for use at all times during site work.

Various individual site characteristics will determine preliminary actions taken to assure that this emergency plan is successfully implemented in the event of a site emergency. Careful consideration must be given to the proximity of neighborhood housing or places of employment, and to the relative possibility of site fire, explosion or release of vapors or gases that could affect the surrounding community.

The Project Manager shall make contact with local fire, police, and other emergency units prior to beginning work on site. In these contacts, the Project Manager will inform the emergency units about the nature and duration of work expected to the Site and the type of contaminants and the possible health or safety effects of emergencies involving these contaminants. At this time, the Project Manager and the emergency response units shall make the necessary arrangements to be prepared for any emergencies that could occur.

The Project Manager shall implement the contingency plan whenever conditions at the Site warrant such action. The Project Manager will be responsible for coordination of the evacuation emergency treatment, and transportation of site personnel as necessary, and notification of emergency response units and the appropriate management staff.

EVACUATION

In the event of an emergency situation, such as fire, explosion, or significant release of toxic gases, an air horn or other appropriate device will be sounded for approximately 10 second intervals indicating the initiation of evacuation procedures. All personnel will evacuate and assemble near the entrance to the site. The location shall be upwind of the Site where possible.

For efficient and safe site evacuation and assessment of the emergency situation, the Project Manager will have authority to initiate action if outside services are required. Under no circumstances will incoming personnel or visitors be allowed to proceed into the area once the emergency signal has been given. The SSO or designated SSO must ensure that access for emergency equipment is provided and that all combustion apparatuses have been shut down once the alarm has been sounded. Once the safety of all personnel is established, the Fire Department and other emergency response groups as necessary will be notified by telephone of the emergency.

POTENTIAL OR ACTUAL FIRE OR EXPLOSION
Immediately evacuate the Site (air horn will sound for 10-second intervals), notify the local fire and police departments, and other appropriate emergency response groups if an actual fire or explosion has taken place.

PERSONNEL INJURY
Emergency first aid shall be applied on site as deemed necessary. If necessary, the individual shall be decontaminated and transported to the nearest medical facility.

The ambulance/rescue squad shall be contacted for transport as necessary in an emergency. However, since some situations may require transport of an injured party by other means, the hospital route is identified below. A map to this facility provided with this HASP in Section 2.2.3.

ACCIDENT/INCIDENT REPORTING
As soon as first aid and/or emergency response needs have been met, the employer of the injured party must be immediately notified of any incident. Written confirmation of verbal reports is to be submitted within 24 hours. A standard report form entitled "Accident Data Report" is to be used for this purpose.

For reporting purposes, the term accident refers to fatalities, lost time injuries, spill, or exposure to hazardous materials (toxic materials, explosive or flammable materials).

Any information released from the health care provider, which is not deemed confidential patient information, is to be attached to the appropriate form. Any medical information that is released by patient consent is to be filed in the individuals' medical records and treated as confidential.

OVERT PERSONNEL EXPOSURE

SKIN CONTACT:	Use copious amounts of soap and water. Wash/rinse affected area thoroughly, and then provide appropriate medical attention. Eyes should be rinsed for 15 minutes upon chemical contamination.
INHALATION:	Move personnel to fresh air and if necessary, decontaminate and transport to hospital.
INGESTION:	Decontamination and transport to emergency medical facility.
PUNCTURE WOUND OR LACERATION:	Decontaminate and transport to emergency medical facility.

ADVERSE WEATHER CONDITIONS
In the event of adverse weather conditions, the SSO or designee will determine if work can continue without sacrificing the health and safety of all field workers. Some of the items to be considered prior to determining if work should continue are:

* Potential for heat stress and heat-related injuries
* Potential for cold stress and cold-related injuries
* Treacherous weather-related conditions
* Limited visibility
* Potential for electrical storms

Site activities will be limited to daylight hours and acceptable weather conditions. Inclement working conditions include heavy rain, fog, high winds, and lighting. Observe daily weather reports and evacuate if necessary in case of inclement weather conditions.

EMERGENCY RESPONSE EQUIPMENT LIST
Some or all of the following will either be available on-Site or be able to be brought to the Site within a 2-hour period:

* 55 Gallon Drums
* 85 Gallon Drums
* Absorbent Pads
* Absorbent Booms
* Speedy-Dry
* Plastic Sheeting
* Hay Bales
* Pneumatic Nibbler
* Back Hoe
* Pressure Washer
* Air Compressor
* Wilden Pumps
* Equipment Storage Trailer
* Submersible Pumps
* Miscellaneous Hand Tools
* Portable Lighting

LARGE EQUIPMENT
If necessary, the following large equipment will be brought to the Site within 2-hours:

* Large Vacuum Truck
* Super Sucker
* Dump Trucks
* Drill Rig
* Utility Vehicle

14.0 LOGS, REPORTS AND RECORD KEEPING

Medical and Training Records

The Site Superintendent keeps medical and training records. All subcontractors must provide verification of training and medical qualifications to the Site Superintendent. The Site Superintendent will keep a log of personnel meeting appropriate training and medical qualifications for site work. The log will be kept in the project file. Medical records will be maintained in accordance with 29 CFR 1910.20.

Onsite Log

A log of personnel onsite each day will be kept by the Site Superintendent. Originals will be kept in the project file.

Exposure Records

Any monitoring results, laboratory reports, calculations and air sampling data sheets are part of an employee exposure record. These records will be kept in accordance with 29 CFR 1910.20. The originals will be sent to the Hydro Tech records coordinator. For subcontractor employees, the original will be sent to the subcontractor employer and a copy kept in the project file.

Accident/Incident Reports

An accident/incident report must be completed for all accidents and incidents. Hydro Tech will send the originals to the appropriate Hydro Tech records coordinator for maintenance. Copies will be distributed as stated. A copy of the forms will be kept in the project file.

OSHA Form 200

An OSHA Form 200 (Log of Occupational Injuries and Illnesses) will be kept at the Site. All recordable injuries or illnesses will be recorded on this form. At the end of the project, the original will be sent to the Hydro Tech corporate records administrator for maintenance. Subcontractor employers must also meet the requirements of maintaining an OSHA 200 form. The Hydro Tech accident/incident report meets the requirements of the OSHA Form 101 (Supplemental Record) and must be maintained with the OSHA Form 200 for all recordable injuries or illnesses.

Health and Safety Field Log Book

The SSO or designee will maintain the logbook in accordance with standard Hydro Tech procedures. Daily site conditions, activities, personnel, calibration records, monitoring results and significant events will be recorded. The original logbooks will become part of the exposure records file.

15.0 SANITATION

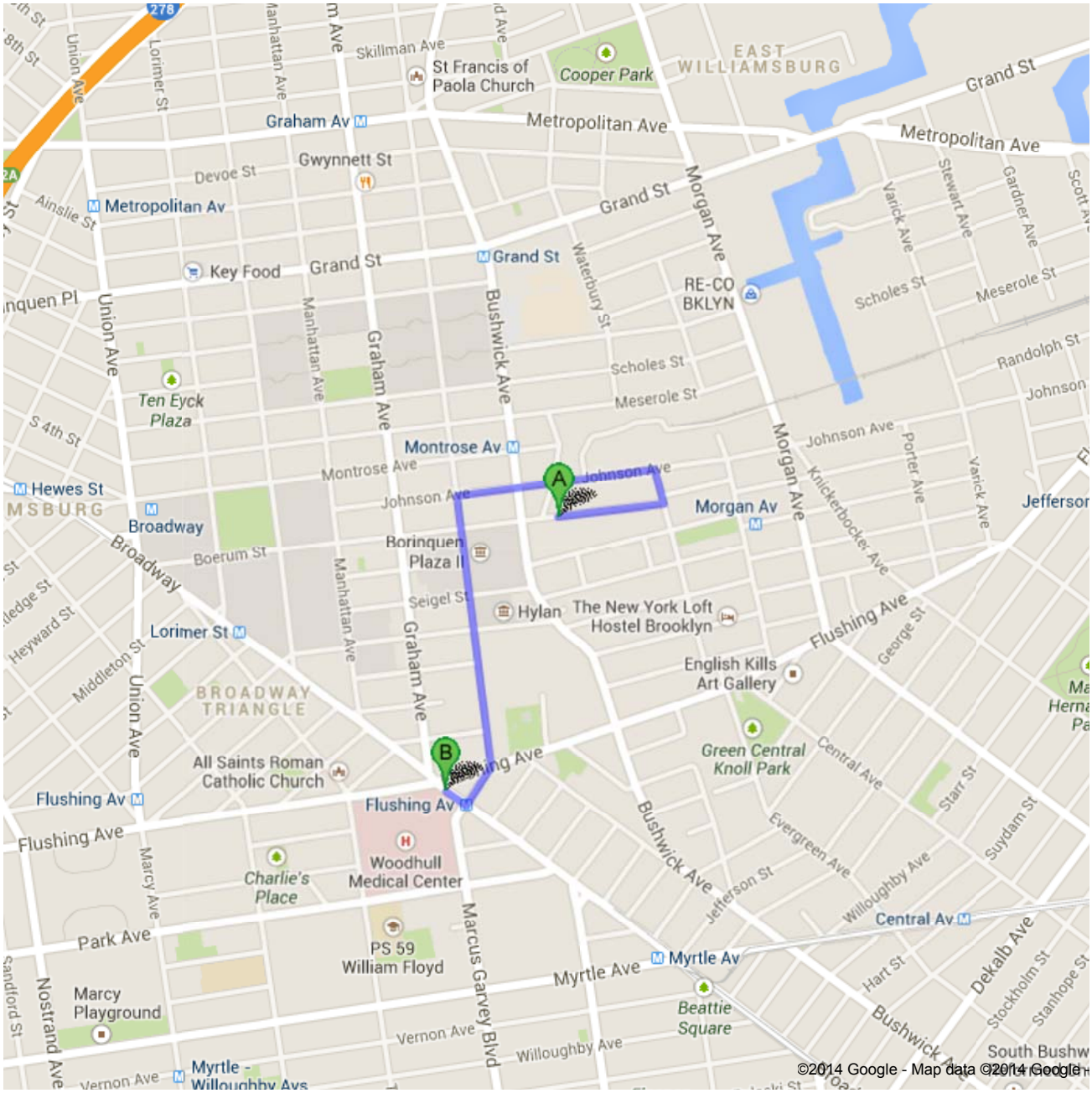
Since sanitary sewer connection has not been established, provisions shall be made for access to sanitary systems by using nearby public facilities consistent with provisions of governing local ordinance codes. This will include the use of outside firms providing and maintaining "Porta Potties" or similar devices.

If a commercial/industrial laundry is used to clean or launder clothing that is potentially contaminated, they shall be informed of the potential harmful effects of exposure to hazardous substances related to the affected clothing.

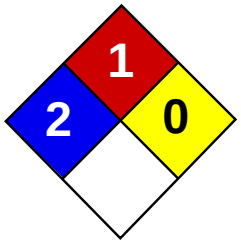
Personnel and subcontractors sites shall follow decontamination procedures described in the Construction HASP. This will generally include, when necessary, site-specific training in shower usage and cleanup, personal hygiene requirements and the donning of protective equipment/clothing.

FIGURE 1
DIRECTIONS TO HOSPITAL

Directions to Woodhull Medical Center
760 Broadway, Brooklyn, NY 11206
1.0 mi – about **4 mins**



ATTACHMENT A
HEALTH AND SAFETY FACT SHEETS



Health	2
Fire	1
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Trichloroethylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Trichloroethylene

Catalog Codes: SLT3310, SLT2590

CAS#: 79-01-6

RTECS: KX4560000

TSCA: TSCA 8(b) inventory: Trichloroethylene

CI#: Not available.

Synonym:

Chemical Formula: C2HCl3

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Trichloroethylene	79-01-6	100

Toxicological Data on Ingredients: Trichloroethylene: ORAL (LD50): Acute: 5650 mg/kg [Rat]. 2402 mg/kg [Mouse]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified A5 (Not suspected for human.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, the nervous system, liver, heart, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 420°C (788°F)

Flash Points: Not available.

Flammable Limits: LOWER: 8% UPPER: 10.5%

Products of Combustion: These products are carbon oxides (CO, CO2), halogenated compounds.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/

spray. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Carcinogenic, teratogenic or mutagenic materials should be stored in a separate locked safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 50 STEL: 200 (ppm) from ACGIH (TLV) TWA: 269 STEL: 1070 (mg/m3) from ACGIH Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 131.39 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 86.7°C (188.1°F)

Melting Point: -87.1°C (-124.8°F)

Critical Temperature: Not available.

Specific Gravity: 1.4649 (Water = 1)

Vapor Pressure: 58 mm of Hg (@ 20°C)

Vapor Density: 4.53 (Air = 1)

Volatility: Not available.

Odor Threshold: 20 ppm

Water/Oil Dist. Coeff.: The product is equally soluble in oil and water; log(oil/water) = 0

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether, acetone.

Solubility:
Easily soluble in methanol, diethyl ether, acetone. Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity:
Extremely corrosive in presence of aluminum. Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
Acute oral toxicity (LD50): 2402 mg/kg [Mouse]. Acute dermal toxicity (LD50): 20001 mg/kg [Rabbit].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified A5 (Not suspected for human.) by ACGIH. The substance is toxic to kidneys, the nervous system, liver, heart, upper respiratory tract.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in human. Detected in maternal milk in human.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Trichloroethylene : UN1710 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Trichloroethylene California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Trichloroethylene Pennsylvania RTK: Trichloroethylene Florida: Trichloroethylene Minnesota: Trichloroethylene Massachusetts RTK: Trichloroethylene New Jersey: Trichloroethylene TSCA 8(b) inventory: Trichloroethylene CERCLA: Hazardous substances.: Trichloroethylene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R36/38- Irritating to eyes and skin. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:54 PM

Last Updated: 11/01/2010 12:00 PM

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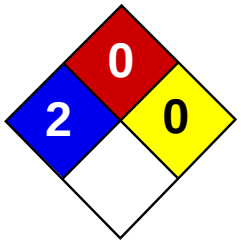

Health	2
Fire	0
Reactivity	0
Personal Protection	G

Material Safety Data Sheet
Tetrachloroethylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Tetrachloroethylene

Catalog Codes: SLT3220

CAS#: 127-18-4

RTECS: KX3850000

TSCA: TSCA 8(b) inventory: Tetrachloroethylene

CI#: Not available.

Synonym: Perchloroethylene; 1,1,2,2-Tetrachloroethylene; Carbon bichloride; Carbon dichloride; Ankilostin; Didakene; Dilatin PT; Ethene, tetrachloro-; Ethylene tetrachloride; Perawin; Perchlor; Perclene; Perclene D; Percosolvel; Tetrachloroethene; Tetraleno; Tetralex; Tetravec; Tetroguer; Tetropil

Chemical Name: Ethylene, tetrachloro-

Chemical Formula: C2-Cl4

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Tetrachloroethylene	127-18-4	100

Toxicological Data on Ingredients: Tetrachloroethylene: ORAL (LD50): Acute: 2629 mg/kg [Rat]. DERMAL (LD): Acute: >3228 mg/kg [Rabbit]. MIST(LC50): Acute: 34200 mg/m 8 hours [Rat]. VAPOR (LC50): Acute: 5200 ppm 4 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2A (Probable for human.) by IARC, 2 (anticipated carcinogen) by NTP. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver, peripheral nervous system, respiratory tract, skin, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, metals, acids, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protection:
Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 25 (ppm) from OSHA (PEL) [United States] TWA: 25 STEL: 100 (ppm) from ACGIH (TLV) [United States] TWA: 170 (mg/m3) from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Ethereal.

Taste: Not available.

Molecular Weight: 165.83 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 121.3°C (250.3°F)

Melting Point: -22.3°C (-8.1°F)

Critical Temperature: 347.1°C (656.8°F)

Specific Gravity: 1.6227 (Water = 1)

Vapor Pressure: 1.7 kPa (@ 20°C)

Vapor Density: 5.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 5 - 50 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.4

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Miscible with alcohol, ether, chloroform, benzene, hexane. It dissolves in most of the fixed and volatile oils. Solubility in water: 0.015 g/100 ml @ 25 deg. C It slowly decomposes in water to yield Trichloroacetic and Hydrochloric acids.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, metals, acids, alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Oxidized by strong oxidizing agents. Incompatible with sodium hydroxide, finely divided or powdered metals such as zinc, aluminum, magnesium, potassium, chemically active metals such as lithium, beryllium , barium. Protect from light.

Special Remarks on Corrosivity: Slowly corrodes aluminum, iron, and zinc.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2629 mg/kg [Rat]. Acute dermal toxicity (LD50): >3228 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 5200 4 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2A (Probable for human.) by IARC, 2 (Some evidence.) by NTP. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. May cause damage to the following organs: kidneys, liver, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of ingestion.

Special Remarks on Toxicity to Animals:
Lowest Publishe Lethal Dose/Conc: LDL [Rabbit] - Route: Oral; Dose: 5000 mg/kg LDL [Dog] - Route: Oral; Dose: 4000 mg/kg LDL [Cat] - Route: Oral; Dose: 4000 mg/kg

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects and birth defects(teratogenic). May affect genetic material (mutagenic). May cause cancer.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation with possible dermal blistering or burns. Symtoms may include redness, itching, pain, and possible dermal blistering or burns. It may be absorbed through the skin with possible systemic effects. A single prolonged skin exposure is not likely to result in the material being absorbed in harmful amounts. Eyes: Contact causes transient eye irritation, lacrimation. Vapors cause eye/conjunctival irritation. Symptoms may include redness and pain. Inhalation: The main route to occupational exposure is by inhalation since it is readily absorbed through the lungs. It causes respiratory tract irritation, . It can affect behavior/central nervous system (CNS depressant and anesthesia ranging from slight inebriation to death, vertigo, somnolence, anxiety, headache, excitement, hallucinations, muscle incoordination, dizziness, lightheadness, disorentiation, seizures, enotional instability, stupor, coma). It may cause pulmonary edema Ingestion: It can cause nausea, vomiting, anorexia, diarrhea, bloody stool. It may affect the liver, urinary system (proteinuria, hematuria, renal failure, renal tubular disorder), heart (arrhythmias). It may affect behavior/central nervous system with symptoms similar to that of inhalation. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact may result in excessive drying of the skin, and irritation. Ingestion/Inhalation: Chronic exposure can affect the liver(hepatitis,fatty liver degeneration), kidneys, spleen, and heart (irregular heartbeat/arrhythmias, cardiomyopathy, abnormal EEG), brain, behavior/ central nervous system/peripheral nervous system (impaired memory, numbness of extremeties, peripheral neuropathy and other

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 18.4 mg/l 96 hours [Fish (Fatthead Minnow)]. 18 mg/l 48 hours [Daphnia (daphnia)]. 5 mg/l 96 hours [Fish (Rainbow Trout)]. 13 mg/l 96 hours [Fish (Bluegill sunfish)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Tetrachloroethylene UNNA: 1897 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Tetrachloroethylene California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Tetrachloroethylene Connecticut hazardous material survey.: Tetrachloroethylene Illinois toxic substances disclosure to employee act: Tetrachloroethylene Illinois chemical safety act: Tetrachloroethylene New York release reporting list: Tetrachloroethylene Rhode Island RTK hazardous substances: Tetrachloroethylene Pennsylvania RTK: Tetrachloroethylene Minnesota: Tetrachloroethylene Michigan critical material: Tetrachloroethylene Massachusetts RTK: Tetrachloroethylene Massachusetts spill list: Tetrachloroethylene New Jersey: Tetrachloroethylene New Jersey spill list: Tetrachloroethylene Louisiana spill reporting: Tetrachloroethylene California Director's List of Hazardous Substances: Tetrachloroethylene TSCA 8(b) inventory: Tetrachloroethylene TSCA 8(d) H and S data reporting: Tetrachloroethylene: Effective date: 6/1/87; Sunset date: 6/1/97 SARA 313 toxic chemical notification and release reporting: Tetrachloroethylene CERCLA: Hazardous substances.: Tetrachloroethylene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R40- Possible risks of irreversible effects. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S23- Do not breathe gas/fumes/vapour/spray S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37- Wear suitable gloves. S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: g

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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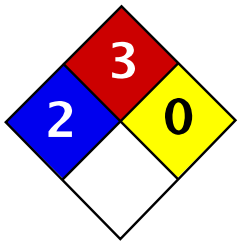

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
p-Xylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: p-Xylene

Catalog Codes: SLX1120

CAS#: 106-42-3

RTECS: ZE2625000

TSCA: TSCA 8(b) inventory: p-Xylene

CI#: Not applicable.

Synonym: p-Methyltoluene

Chemical Name: 1,4-Dimethylbenzene

Chemical Formula: C6H4(CH3)2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
{p-}Xylene	106-42-3	100

Toxicological Data on Ingredients: p-Xylene: ORAL (LD50): Acute: 5000 mg/kg [Rat.]. DERMAL (LD50): Acute: 12400 mg/kg [Rabbit.]. VAPOR (LC50): Acute: 4550 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant).
Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to blood, kidneys, the nervous system, liver.
Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 527°C (980.6°F)

Flash Points: CLOSED CUP: 25°C (77°F). OPEN CUP: 28.9°C (84°F) (Cleveland).

Flammable Limits: LOWER: 1.1% UPPER: 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, insoluble in water.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards:
Explosive in the form of vapor when exposed to heat or flame. Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Toxic flammable liquid, insoluble or very slightly soluble in water.
Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes Keep away from incompatibles such as oxidizing agents.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 STEL: 150 (ppm) from ACGIH (TLV)
TWA: 434 STEL: 651 (mg/m3) from ACGIHConsult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid. (Liquid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 106.17 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 138°C (280.4°F)

Melting Point: 12°C (53.6°F)

Critical Temperature: Not available.

Specific Gravity: 0.86 (Water = 1)

Vapor Pressure: 9 mm of Hg (@ 20°C)

Vapor Density: 3.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.62 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether.

Solubility:
Easily soluble in methanol, diethyl ether.
Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Eye contact.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute oral toxicity (LD50): 5000 mg/kg [Rat.].
Acute dermal toxicity (LD50): 12400 mg/kg [Rabbit.].
Acute toxicity of the vapor (LC50): 4550 ppm 4 hour(s) [Rat].

Chronic Effects on Humans: The substance is toxic to blood, kidneys, the nervous system, liver.

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (irritant).
Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:

0347 Animal: embryotoxic, foetotoxic, passes through the placental barrier.
0900 Detected in maternal milk in human.
Narcotic effect; may cause nervous system disturbances.

Special Remarks on other Toxic Effects on Humans: Material is irritating to mucous membranes and upper respiratory tract.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Class 3: Flammable liquid.

Identification: : Xylene : UN1307 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: p-Xylene
Florida: p-Xylene
Massachusetts RTK: p-Xylene
New Jersey: p-Xylene
TSCA 8(b) inventory: p-Xylene
SARA 313 toxic chemical notification and release reporting: p-Xylene
CERCLA: Hazardous substances.: p-Xylene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R10- Flammable.
R38- Irritating to skin.
R41- Risk of serious damage to eyes.
R48/20- Harmful: danger of serious

damage to health by prolonged exposure through inhalation.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Splash goggles.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987.
-Material safety data sheet emitted by: la Commission de la SantÃ© et de la SÃ©curitÃ© du Travail du QuÃ©bec.
-SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984.
-The Sigma-Aldrich Library of Chemical Safety Data, Edition II.
-Guide de la loi et du rÃ¨glement sur le transport des marchandises dangeureuses au canada. Centre de conformitÃ© internatinal LtÃ©e. 1986.

Other Special Considerations: Not available.

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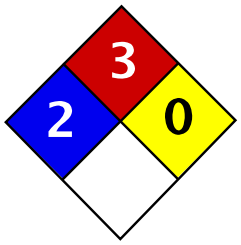

Health	2
Fire	3
Reactivity	0
Personal Protection	J

Material Safety Data Sheet
m-Xylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: m-Xylene

Catalog Codes: SLX1066

CAS#: 108-38-3

RTECS: ZE2275000

TSCA: TSCA 8(b) inventory: m-Xylene

CI#: Not applicable.

Synonym: m-Methyltoluene

Chemical Name: 1,3-Dimethylbenzene

Chemical Formula: C6H4(CH3)2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
{m-}Xylene	108-38-3	100

Toxicological Data on Ingredients: m-Xylene: ORAL (LD50): Acute: 5000 mg/kg [Rat.]. DERMAL (LD50): Acute: 14100 mg/kg [Rabbit.].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant).
Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to blood, kidneys, the nervous system, liver.
Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 527°C (980.6°F)

Flash Points: CLOSED CUP: 25°C (77°F). OPEN CUP: 28.9°C (84°F) (Cleveland).

Flammable Limits: LOWER: 1.1% UPPER: 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, insoluble in water.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards:
Explosive in the form of vapor when exposed to heat or flame. Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid, insoluble in water.

Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes Keep away from incompatibles such as oxidizing agents.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection: Splash goggles. Lab coat. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 STEL: 150 (ppm) from ACGIH (TLV)
TWA: 434 STEL: 651 (mg/m3) from ACGIHConsult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid. (Liquid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 106.17 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 139.3°C (282.7°F)

Melting Point: -47.87°C (-54.2°F)

Critical Temperature: Not available.

Specific Gravity: 0.86 (Water = 1)

Vapor Pressure: 6 mm of Hg (@ 20°C)

Vapor Density: 3.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.62 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether.

Solubility:
Easily soluble in methanol, diethyl ether.
Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Eye contact.

Toxicity to Animals:
Acute oral toxicity (LD50): 5000 mg/kg [Rat.].
Acute dermal toxicity (LD50): 14100 mg/kg [Rabbit.].

Chronic Effects on Humans: The substance is toxic to blood, kidneys, the nervous system, liver.

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (irritant).
Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
0347 Animal: embryotoxic, foetotoxic, passes through the placental barrier.
0900 Detected in maternal milk in human.
Narcotic effect; may cause nervous system disturbances.

Special Remarks on other Toxic Effects on Humans: Material is irritating to mucous membranes and upper respiratory tract.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Class 3: Flammable liquid.

Identification: : Xylene : UN1307 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: m-Xylene
Massachusetts RTK: m-Xylene
TSCA 8(b) inventory: m-Xylene
SARA 313 toxic chemical notification and release reporting: m-Xylene
CERCLA: Hazardous substances.: m-Xylene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R10- Flammable.
R38- Irritating to skin.
R41- Risk of serious damage to eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: j

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Wear appropriate respirator when
ventilation is inadequate.
Splash goggles.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987.
-Material safety data sheet emitted by: la Commission de la SantÃ© et de la SÃ©curitÃ© du Travail du QuÃ©bec.
-SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984.
-The Sigma-Aldrich Library of Chemical Safety Data, Edition II.
-Guide de la loi et du rÃ¨glement sur le transport des marchandises dangeureuses au canada. Centre de conformitÃ© internatinal LtÃ©e. 1986.

Other Special Considerations: Not available.

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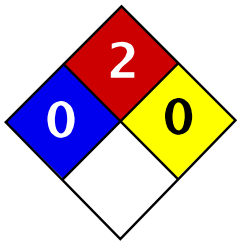

Health	0
Fire	2
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Mesitylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Mesitylene

Catalog Codes: SLM2410

CAS#: 108-67-8

RTECS: OX6825000

TSCA: TSCA 8(b) inventory: Mesitylene

CI#: Not available.

Synonym: 1,3,5-Trimethylbenzene

Chemical Formula: C9H12

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Mesitylene	108-67-8	100

Toxicological Data on Ingredients: Mesitylene: VAPOR (LC50): Acute: 4881.9 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of eye contact (irritant), of ingestion, of inhalation (lung irritant). Slightly hazardous in case of skin contact (irritant, permeator), .

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes,

keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 559°C (1038.2°F)

Flash Points: CLOSED CUP: 43°C (109.4°F).

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid.
Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Be careful that the product is not present at a

concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Avoid contact with eyes Wear suitable protective clothing If ingested, seek medical advice immediately and show the container or the label.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 25 CEIL: 35 (ppm)
TWA: 125 CEIL: 170 (mg/m3)
Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Aromatic.

Taste: Not available.

Molecular Weight: 120.2 g/mole

Color: Not available.

pH (1% soln/water): Not available.

Boiling Point: 164.7°C (328.5°F)

Melting Point: -44.8°C (-48.6°F)

Critical Temperature: Not available.

Specific Gravity: 0.8637 (Water = 1)

Vapor Pressure: 1.86 mm of Hg (@ 20°C)

Vapor Density: 4.14 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.23 ppm

Water/Oil Dist. Coeff.: The product is equally soluble in oil and water; log(oil/water) = 0

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute toxicity of the vapor (LC50): 4881.9 ppm 4 hour(s) [Rat].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation (lung irritant).
Slightly hazardous in case of skin contact (irritant, permeator), .

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Class 3: Flammable liquid.

Identification: : 1,3,5-Trimethylbenzene : UN2325 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
Florida: Mesitylene
New Jersey: Mesitylene
TSCA 8(b) inventory: Mesitylene

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

DSCL (EEC):
R10- Flammable.
R36/37- Irritating to eyes and respiratory system.

HMIS (U.S.A.):

Health Hazard: 0

Fire Hazard: 2

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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International Chemical Safety Cards

BENZO(B)FLUORANTHENE

ICSC: 0720

BENZO(B)FLUORANTHENE
Benzo(e)acephenanthrylene
2,3-Benzofluoroanthene
$C_{20}H_{12}$
Molecular mass: 252.3

CAS # 205-99-2
RTECS # CU1400000
ICSC # 0720

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Water spray, powder.
EXPLOSION			
EXPOSURE		PREVENT DISPERSION OF DUST! STRICT HYGIENE! AVOID ALL CONTACT!	IN ALL CASES CONSULT A DOCTOR!
• **INHALATION**		Local exhaust or breathing protection.	Fresh air, rest.
• **SKIN**	MAY BE ABSORBED!	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention. Wear protective gloves when administering first aid.
• **EYES**		Safety goggles or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
• **INGESTION**		Do not eat, drink, or smoke during work.	Wear protective gloves when inducing vomiting. Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.

SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING
Sweep spilled substance into containers. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment.	Provision to contain effluent from fire extinguishing. Tightly closed.	Unbreakable packaging; put breakable packaging into closed unbreakable container.

SEE IMPORTANT INFORMATION ON BACK

ICSC: 0720

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International Chemical Safety Cards

BENZO(B)FLUORANTHENE

ICSC: 0720

I M P O R T A N T D A T A	**PHYSICAL STATE; APPEARANCE:** COLOURLESS TO YELLOW CRYSTALS. **PHYSICAL DANGERS:** **CHEMICAL DANGERS:** Upon heating, toxic fumes are formed. **OCCUPATIONAL EXPOSURE LIMITS (OELs):** TLV not established.	**ROUTES OF EXPOSURE:** The substance can be absorbed into the body by inhalation of its aerosol and through the skin. **INHALATION RISK:** Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly. **EFFECTS OF SHORT-TERM EXPOSURE:** **EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:** This substance is possibly carcinogenic to humans.
PHYSICAL PROPERTIES	Melting point: 168°C Solubility in water: none	Vapour pressure, Pa at 20°C: <10 Octanol/water partition coefficient as log Pow: 6.04
ENVIRONMENTAL DATA	This substance may be hazardous to the environment; special attention should be given to the total environment. In the food chain important to humans, bioaccumulation takes place, specifically in oils and fats.	

NOTES

Depending on the degree of exposure, periodic medical examination is indicated. Data are insufficiently available on the effect of this substance on human health, therefore utmost care must be taken. Do NOT take working clothes home.

ADDITIONAL INFORMATION

ICSC: 0720 **BENZO(B)FLUORANTHENE**

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International Chemical Safety Cards

BENZO(K)FLUORANTHENE

ICSC: 0721

BENZO(K)FLUOROANTHENE
11,12-Benzofluoroanthene
Dibenzo(b,j,k)fluorene
$C_{20}H_{12}$
Molecular mass: 252.3

CAS # 207-08-9
RTECS # DF6350000
ICSC # 0721

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Water spray, powder.
EXPLOSION			
EXPOSURE		PREVENT DISPERSION OF DUST! STRICT HYGIENE! AVOID ALL CONTACT!	IN ALL CASES CONSULT A DOCTOR!
• **INHALATION**		Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
• **SKIN**	MAY BE ABSORBED!	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention. Wear protective gloves when administering first aid.
• **EYES**		Safety goggles or eye protection in combination with breathing protection if powder.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
• **INGESTION**		Do not eat, drink, or smoke during work.	Wear protective gloves when inducing vomiting. Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.

SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING
Sweep spilled substance into containers. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment.	Provision to contain effluent from fire extinguishing. Separated from strong oxidants. Tightly closed.	

SEE IMPORTANT INFORMATION ON BACK

ICSC: 0721

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International Chemical Safety Cards

BENZO(K)FLUORANTHENE

ICSC: 0721

I M P O R T A N T D A T A	**PHYSICAL STATE; APPEARANCE:** YELLOW CRYSTALS. **PHYSICAL DANGERS:** **CHEMICAL DANGERS:** Upon heating, toxic fumes are formed. Reacts with strong oxidants. **OCCUPATIONAL EXPOSURE LIMITS (OELs):** TLV not established.	**ROUTES OF EXPOSURE:** The substance can be absorbed into the body by inhalation of its aerosol and through the skin. **INHALATION RISK:** Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly. **EFFECTS OF SHORT-TERM EXPOSURE:** **EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:** This substance is possibly carcinogenic to humans.
PHYSICAL PROPERTIES	Boiling point: 480°C Melting point: 215.7°C	Solubility in water: none Octanol/water partition coefficient as log Pow: 6.84
ENVIRONMENTAL DATA	This substance may be hazardous to the environment; special attention should be given to the total environment. In the food chain important to humans, bioaccumulation takes place, specifically in oils and fats.	

NOTES

Data are insufficiently available on the effect of this substance on human health, therefore utmost care must be taken. Do NOT take working clothes home.

ADDITIONAL INFORMATION

ICSC: 0721 **BENZO(K)FLUORANTHENE**

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International Chemical Safety Cards

BENZ(a)ANTHRACENE

ICSC: 0385

BENZ(a)ANTHRACENE
1,2-Benzoanthracene
Benzo(a)anthracene
2,3-Benzphenanthrene
Naphthanthracene
$C_{18}H_{12}$
Molecular mass: 228.3

CAS # 56-55-3
RTECS # CV9275000
ICSC # 0385
EC # 601-033-00-9

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Combustible.		Water spray, powder. In case of fire in the surroundings: all extinguishing agents allowed.
EXPLOSION	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	
EXPOSURE		AVOID ALL CONTACT!	
• **INHALATION**		Local exhaust or breathing protection.	Fresh air, rest.
• **SKIN**		Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
• **EYES**		Safety goggles, face shield, or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
• **INGESTION**		Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth.

SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING
Sweep spilled substance into sealable containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place (extra personal protection: complete protective clothing including self-contained breathing apparatus).	Well closed.	T symbol R: 45 S: 53-45

SEE IMPORTANT INFORMATION ON BACK

ICSC: 0385

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International Chemical Safety Cards

BENZ(a)ANTHRACENE

ICSC: 0385

IMPORTANT DATA

PHYSICAL STATE; APPEARANCE:
COLOURLESS TO YELLOW-BROWN FLUORESCENT FLAKES OR POWDER.

PHYSICAL DANGERS:
Dust explosion possible if in powder or granular form, mixed with air.

CHEMICAL DANGERS:

OCCUPATIONAL EXPOSURE LIMITS (OELs):
TLV not established.

ROUTES OF EXPOSURE:
The substance can be absorbed into the body by inhalation, through the skin and by ingestion.

INHALATION RISK:
Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.

EFFECTS OF SHORT-TERM EXPOSURE:

EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:
This substance is probably carcinogenic to humans.

PHYSICAL PROPERTIES

Sublimation point: 435°C
Melting point: 162°C
Relative density (water = 1): 1.274

Solubility in water: none
Vapour pressure, Pa at 20°C: 292
Octanol/water partition coefficient as log Pow: 5.61

ENVIRONMENTAL DATA

In the food chain important to humans, bioaccumulation takes place, specifically in seafood.

NOTES

This substance is one of many polycyclic aromatic hydrocarbons - standards are usually established for them as mixtures, e.g., coal tar pitch volatiles. However, it may be encountered as a laboratory chemical in its pure form. Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken. Do NOT take working clothes home. Tetraphene is a common name.

ADDITIONAL INFORMATION

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Material Safety Data Sheet

Benzo[a]pyrene, 98%

ACC# 37175

Section 1 - Chemical Product and Company Identification

MSDS Name: Benzo[a]pyrene, 98%
Catalog Numbers: AC105600000, AC105600010, AC105601000, AC377200000, AC377200010, AC377201000 AC377201000
Synonyms: 3,4-Benzopyrene; 3,4-Benzpyrene; Benzo[def]chrysene.
Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
50-32-8	Benzo[a]pyrene	>96	200-028-5

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: yellow to brown powder.
Danger! May cause harm to the unborn child. May impair fertility. May cause eye, skin, and respiratory tract irritation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Cancer hazard. May cause allergic skin reaction. May cause heritable genetic damage.
Target Organs: Reproductive system, skin.

Potential Health Effects

Eye: May cause eye irritation.
Skin: May cause skin irritation. May be harmful if absorbed through the skin. May cause an allergic reaction in certain individuals.
Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated. May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. May be harmful if inhaled.
Chronic: May cause cancer in humans. May cause reproductive and fetal effects. Laboratory experiments have resulted in mutagenic effects.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Flash Point: Not available.
Autoignition Temperature: Not available.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 2; Flammability: 0; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs

Benzo[a]pyrene	0.2 mg/m3 TWA (as benzene soluble aerosol) (listed under Coal tar pitches).	0.1 mg/m3 TWA (cyclohexane-extractable fraction) (listed under Coal tar pitches).80 mg/m3 IDLH (listed under Coal tar pitches).	0.2 mg/m3 TWA (as benzene soluble fraction) (listed under Coal tar pitches).

OSHA Vacated PELs: Benzo[a]pyrene: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Powder
Appearance: yellow to brown
Odor: faint aromatic odor
pH: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 495 deg C @ 760 mm Hg
Freezing/Melting Point:175 - 179 deg C
Decomposition Temperature: Not available.
Solubility: 1.60x10-3 mg/l @25°C
Specific Gravity/Density: Not available.
Molecular Formula:C20H12
Molecular Weight:252.31

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Dust generation.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 50-32-8: DJ3675000
LD50/LC50:

Not available.

Carcinogenicity:
CAS# 50-32-8:

- **ACGIH:** A2 - Suspected Human Carcinogen
- **California:** carcinogen, initial date 7/1/87
- **NTP:** Suspect carcinogen
- **IARC:** Group 1 carcinogen (listed as Coal tar pitches).

Epidemiology: No information found
Teratogenicity: No information found
Reproductive Effects: Adverse reproductive effects have occurred in experimental animals.
Mutagenicity: Mutagenic effects have occurred in humans.Mutagenic effects have occurred in experimental animals.
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series:
CAS# 50-32-8: waste number U022.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	NOT REGULATED FOR DOMESTIC TRANSPORT	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOL (Benzo{a} pyrene)
Hazard Class:		9
UN Number:		UN3077
Packing Group:		III

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 50-32-8 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

CAS# 50-32-8: 1 lb final RQ; 0.454 kg final RQ

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 50-32-8: immediate, delayed.

Section 313

This material contains Benzo[a]pyrene (CAS# 50-32-8, >96%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR

Clean Air Act:

This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.
CAS# 50-32-8 is listed as a Priority Pollutant under the Clean Water Act.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 50-32-8 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65

The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:

WARNING: This product contains Benzo[a]pyrene, a chemical known to the state of California to cause cancer.

California No Significant Risk Level: CAS# 50-32-8: 0.06 æg/day NSRL

European / International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

T N

Risk Phrases:

R 43 May cause sensitization by skin contact.
R 45 May cause cancer.
R 46 May cause heritable genetic damage.
R 60 May impair fertility.
R 61 May cause harm to the unborn child.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 53 Avoid exposure - obtain special instructions before use.
S 60 This material and its container must be disposed of as hazardou
s waste.
S 61 Avoid release to the environment. Refer to special instructions
/safety data sheets.

WGK (Water Danger/Protection)
CAS# 50-32-8: No information available.
Canada - DSL/NDSL
CAS# 50-32-8 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of D2A.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian Ingredient Disclosure List
CAS# 50-32-8 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 9/02/1997
Revision #7 Date: 6/30/2006

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

Material Safety Data Sheet

Chrysene, 98%

ACC# 95251

Section 1 - Chemical Product and Company Identification

MSDS Name: Chrysene, 98%
Catalog Numbers: AC224140000, AC224140010, AC224140050, AC224145000
Synonyms: 1,2-Benzophenanthrene; Benzo(a)phenanthrene; 1,2,5,6-Dibenzonaphthalene.
Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
218-01-9	Chrysene	98	205-923-4

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: very light beige solid.
Caution! May cause eye and skin irritation. May cause respiratory tract irritation. May cause cancer in humans.
Target Organs: Liver, skin.

Potential Health Effects
Eye: May cause eye irritation.
Skin: May cause skin irritation.
Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Inhalation: May cause respiratory tract irritation.
Chronic: May cause cancer according to animal studies.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air

immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.
Flash Point: Not applicable.
Autoignition Temperature: Not available.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: ; Flammability: 1; Instability:

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Avoid breathing dust.
Storage: Store in a tightly closed container. Store in a cool, dry area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Chrysene	0.2 mg/m3 TWA (as benzene soluble aerosol) (listed under Coal tar pitches).	0.1 mg/m3 TWA (cyclohexane-extractable fraction) (listed under Coal tar pitches).80 mg/m3 IDLH (listed under Coal tar pitches).	0.2 mg/m3 TWA (as benzene soluble fraction) (listed under Coal tar pitches).

OSHA Vacated PELs: Chrysene: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Appearance: very light beige
Odor: Not available.
pH: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 448 deg C @ 760 mm Hg
Freezing/Melting Point:250-255 deg C
Decomposition Temperature: Not available.
Solubility: insoluble
Specific Gravity/Density: Not available.
Molecular Formula:C18H12
Molecular Weight:228.29

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Dust generation.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 218-01-9: GC0700000
LD50/LC50:
Not available.

Carcinogenicity:
CAS# 218-01-9:

- **ACGIH:** A3 - Confirmed animal carcinogen with unknown relevance to humans

- **California:** carcinogen, initial date 1/1/90
- **NTP:** Known carcinogen (listed as Coal tar pitches).
- **IARC:** Group 1 carcinogen (listed as Coal tar pitches).

Epidemiology: No information found
Teratogenicity: No information found
Reproductive Effects: No information found
Mutagenicity: Chrysene was mutagenic to S. Typhimurium in the presence of an exogenous metabolic system.
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Water flea LC50 = 1.9 mg/L; 2 Hr.; Unspecified Fish toxicity : LC50 (96hr) Neauthes arenacedentata >1ppm.(Rossi,S.S. et al Marine Pollut. Bull. 1978) Invertebrate toxicity : lethal treshold concentration (24hr) Daphnia Magna 0,7æg/l.(* Newsted,J.L. et al Environ. Toxicol. Chem. 1987) Bioaccumulation : 24hr Daphnia Magna log bioconcentration factor 3.7845 (*)
Environmental: Degradation studies : biodegradated by white rot fungus (Proc.Annu.Meet.Am.Wood-Preserv.Assoc.1989) May be utilised by axenic cultures of microorganisms e.g. Pseudomonas pancimobilis EPA505, which may have novel degradative systems(Mueller,J.G. et al ppl.Environ.Microbiol.1990; Mueller, J.G. et al Environ.Sci.Technol.1991).
Physical: Not found.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series:
CAS# 218-01-9: waste number U050.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	Not regulated as a hazardous material	No information available.
Hazard Class:		
UN Number:		
Packing Group:		

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 218-01-9 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

CAS# 218-01-9: 100 lb final RQ; 45.4 kg final RQ

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

Section 313

This material contains Chrysene (CAS# 218-01-9, 98%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

Clean Air Act:

This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.
CAS# 218-01-9 is listed as a Priority Pollutant under the Clean Water Act.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 218-01-9 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65

The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:

WARNING: This product contains Chrysene, a chemical known to the state of California to cause cancer.
California No Significant Risk Level: CAS# 218-01-9: 0.35 æg/day NSRL (oral)

European / International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

T

Risk Phrases:

R 45 May cause cancer.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 53 Avoid exposure - obtain special instructions before use.
S 60 This material and its container must be disposed of as hazardou s waste.

S 61 Avoid release to the environment. Refer to special instructions /safety data sheets.

WGK (Water Danger/Protection)

CAS# 218-01-9: No information available.

Canada - DSL/NDSL

CAS# 218-01-9 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of D2A.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 218-01-9 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 6/30/1999
Revision #4 Date: 10/03/2005

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

Material Safety Data Sheet

Fluoranthene, 98%

ACC# 80991

Section 1 - Chemical Product and Company Identification

MSDS Name: Fluoranthene, 98%
Catalog Numbers: AC119170000, AC119170250, AC119171000, AC119175000
Synonyms: 1,2-(1,8-Naphthalenediyl)benzene; 1,2-(1,8-Naphthylene)benzene; 1,2-Benzacenaphthene; Benzene, 1,2-(1,8-naphthylene)-; Benzo(j,k)fluorene; Benzo(jk)fluoranthene; Benzo(jk)fluorene
Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
206-44-0	Fluoranthene	98	205-912-4

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: yellow needles.
Caution! Harmful. Causes eye and skin irritation and possible burns. May be harmful if absorbed through the skin. May be harmful if swallowed. May cause heart and liver injury.
Target Organs: Heart, liver, lungs.

Potential Health Effects

Eye: Causes eye irritation and possible burns.
Skin: May be harmful if absorbed through the skin. Causes severe skin irritation and possible burns.
Ingestion: May be harmful if swallowed. May cause rapid heartbeat and cardiac arrythmias. May cause liver injury, pulmonary edema, and respiratory arrest. May cause gastrointestinal disturbances such as nausea.
Inhalation: May cause effects similar to those described for ingestion. May produce cardiac failure and pulmonary edema.
Chronic: Prolonged or repeated skin contact may cause defatting and dermatitis.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the

upper and lower eyelids. Get medical aid imme diately. Do NOT allow victim to rub eyes or keep eyes closed. Extensiv e irrigation with water is required (at least 30 minutes).
Skin: Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.
Ingestion: Never give anything by mouth to an unconscious person. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.
Flash Point: Not applicable.
Autoignition Temperature: Not applicable.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 2; Flammability: 0; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood. Do not breathe dust.
Storage: Keep containers tightly closed. Store in a cool, dry area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Fluoranthene	none listed	none listed	none listed

OSHA Vacated PELs: Fluoranthene: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Needles
Appearance: yellow
Odor: None reported.
pH: Not available.
Vapor Pressure: 0.01 mm Hg @ 20 deg C
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 384 deg C @ 760.00mmHg
Freezing/Melting Point:107.00 - 110.00 deg C
Decomposition Temperature: Not available.
Solubility: insoluble
Specific Gravity/Density:1.252 g/cm3
Molecular Formula:C16H10
Molecular Weight:202.25

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, strong oxidants.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, acrid smoke and fumes.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 206-44-0: LL4025000
LD50/LC50:
CAS# 206-44-0:
Oral, rat: LD50 = 2 gm/kg;

Skin, rabbit: LD50 = 3180 mg/kg;
.

Carcinogenicity:
CAS# 206-44-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: IARC Group 3: Limited or insufficient evidence for carcinogenicity in both animals and humans.Experimental tumorigenic data has been reported.
Teratogenicity: No information found
Reproductive Effects: No information found
Mutagenicity: Mutation in microorganisms: Salmonella typhimurium = 5ug/plate.Mutation in mammalian somatic cells: Human Lymphocyte = 2 umol/L.
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Fish: Bluegill/Sunfish: 3980 um/L; 96 H; (not specified) No data available.
Environmental: Remains in the upper few cm of soil, but can be transported to groundwater. Biodegrades from soil in a few years. Will not volatilize from soil or water. Rapidly absorbed to sediment and particulates and will readily bioconcentrate. Unadsorbed substance in water will degrade by photolysis in a days to weeks. Stable in sediment for decades or more. In the atmostphere, photodegrades with half life of 4 - 5 days, but may transport long distances without settling or raining out.
Physical: No information available.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series:
CAS# 206-44-0: waste number U120.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	Not regulated as a hazardous material	No information available.
Hazard Class:		
UN Number:		
Packing Group:		

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 206-44-0 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 206-44-0: 100 lb final RQ; 45.4 kg final RQ
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 206-44-0: immediate.
Section 313
This material contains Fluoranthene (CAS# 206-44-0, 98%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
CAS# 206-44-0 is listed as a Priority Pollutant under the Clean Water Act. CAS# 206-44-0 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 206-44-0 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives
Hazard Symbols:
XN
Risk Phrases:
R 21/22 Harmful in contact with skin and if swallowed.

Safety Phrases:
S 22 Do not breathe dust.
S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)
CAS# 206-44-0: No information available.
Canada - DSL/NDSL
CAS# 206-44-0 is listed on Canada's NDSL List.
Canada - WHMIS

This product has a WHMIS classification of D2B.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 206-44-0 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 9/02/1997
Revision #5 Date: 10/03/2005

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

MSDS Number: **L2347** * * * * * *Effective Date:* ***08/10/04*** * * * * * *Supercedes:* ***11/02/01***

MSDS **Material Safety Data Sheet**

From: **Mallinckrodt Baker, Inc.**
222 Red School Lane
Phillipsburg, NJ 08865

Mallinckrodt CHEMICALS J.T.Baker

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. and Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

LEAD METAL

1. Product Identification

Synonyms: Granular lead, pigment metal; C.I. 77575
CAS No.: 7439-92-1
Molecular Weight: 207.19
Chemical Formula: Pb
Product Codes:
J.T. Baker: 2256, 2266
Mallinckrodt: 5668

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Lead	7439-92-1	95 - 100%	Yes

3. Hazards Identification

Emergency Overview

POISON! DANGER! MAY BE FATAL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. NEUROTOXIN. AFFECTS THE GUM TISSUE, CENTRAL NERVOUS SYSTEM, KIDNEYS, BLOOD AND REPRODUCTIVE SYSTEM. POSSIBLE CANCER HAZARD. MAY CAUSE CANCER BASED ON ANIMAL DATA. Risk of cancer depends on duration and level of exposure.

J.T. Baker SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Life)
Flammability Rating: 0 - None
Reactivity Rating: 0 - None
Contact Rating: 1 - Slight
Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES
Storage Color Code: Blue (Health)

Potential Health Effects

Inhalation:

Lead can be absorbed through the respiratory system. Local irritation of bronchia and lungs can occur and, in cases of acute exposure, symptoms such as metallic taste, chest and abdominal pain, and increased lead blood levels may follow. See also Ingestion.
Ingestion:
POISON! The symptoms of lead poisoning include abdominal pain and spasms, nausea, vomiting, headache. Acute poisoning can lead to muscle weakness, "lead line" on the gums, metallic taste, definite loss of appetite, insomnia, dizziness, high lead levels in blood and urine with shock, coma and death in extreme cases.
Skin Contact:
Lead and lead compounds may be absorbed through the skin on prolonged exposure; the symptoms of lead poisoning described for ingestion exposure may occur. Contact over short periods may cause local irritation, redness and pain.
Eye Contact:
Absorption can occur through eye tissues but the more common hazards are local irritation or abrasion.
Chronic Exposure:
Lead is a cumulative poison and exposure even to small amounts can raise the body's content to toxic levels. The symptoms of chronic exposure are like those of ingestion poisoning; restlessness, irritability, visual disturbances, hypertension and gray facial color may also be noted.
Aggravation of Pre-existing Conditions:
Persons with pre-existing kidney, nerve or circulatory disorders or with skin or eye problems may be more susceptible to the effects of this substance.

---

4. First Aid Measures

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:
Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
Skin Contact:
Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eye Contact:
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

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5. Fire Fighting Measures

Fire:
Not considered to be a fire hazard. Powder/dust is flammable when heated or exposed to flame.
Explosion:
Not considered to be an explosion hazard.
Fire Extinguishing Media:
Use any means suitable for extinguishing surrounding fire. Do not allow water runoff to enter sewers or waterways.
Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Can produce toxic lead fumes at elevated temperatures and also react with oxidizing materials.

---

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

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7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Areas in which exposure to lead

metal or lead compounds may occur should be identified by signs or appropriate means, and access to the area should be limited to authorized persons. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

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8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
For lead, metal and inorganic dusts and fumes, as Pb:
-OSHA Permissible Exposure Limit (PEL): 0.05 mg/m3 (TWA)
For lead, elemental and inorganic compounds, as Pb:
-ACGIH Threshold Limit Value (TLV): 0.05 mg/m3 (TWA), A3 animal carcinogen
ACGIH Biological Exposure Indices (BEI): 30 ug/100ml, notation B (see actual Indices for more information).
For lead, inorganic:
-NIOSH Recommended Exposure Limit (REL): 0.1 mg/m3 (TWA)
Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.
Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded and engineering controls are not feasible, a half-face high efficiency particulate respirator (NIOSH type N100 filter) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece high efficiency particulate respirator (NIOSH type N100 filter) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
Skin Protection:
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Eye Protection:
Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.
Other Control Measures:
Eating, drinking, and smoking should not be permitted in areas where solids or liquids containing lead compounds are handled, processed, or stored. See OSHA substance-specific standard for more information on personal protective equipment, engineering and work practice controls, medical surveillance, record keeping, and reporting requirements. (29 CFR 1910.1025).

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9. Physical and Chemical Properties

Appearance:
Small, white to blue-gray metallic shot or granules.
Odor:
Odorless.
Solubility:
Insoluble in water.
Density:
11.34
pH:
No information found.
% Volatiles by volume @ 21C (70F):
0
Boiling Point:
1740C (3164F)
Melting Point:
327.5C (622F)
Vapor Density (Air=1):
No information found.
Vapor Pressure (mm Hg):
1.77 @ 1000C (1832F)
Evaporation Rate (BuAc=1):
No information found.

---

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
Does not decompose but toxic lead or lead oxide fumes may form at elevated temperatures.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
Ammonium nitrate, chlorine trifluoride, hydrogen peroxide, sodium azide, zirconium, disodium acetylide, sodium acetylide and oxidants.
Conditions to Avoid:
Heat, flames, ignition sources and incompatibles.

---

11. Toxicological Information

Toxicological Data:
Investigated as a tumorigen, mutagen, reproductive effector.
Reproductive Toxicity:
Lead and other smelter emissions are human reproductive hazards. (Chemical Council on

Environmental Quality; Chemical Hazards to Human Reproduction, 1981).
Carcinogenicity:
EPA / IRIS classification: Group B2 - Probable human carcinogen, sufficient animal evidence.

```
--------\Cancer Lists\-------------------------------------------------------
                                        ---NTP Carcinogen---
Ingredient                              Known    Anticipated    IARC Category
-------------------------------------   -----    -----------    -------------
Lead (7439-92-1)                         No          No             2B
```

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12. Ecological Information

Environmental Fate:
When released into the soil, this material is not expected to leach into groundwater. This material may bioaccumulate to some extent.
Environmental Toxicity:
No information found.

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13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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14. Transport Information

Not regulated.

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15. Regulatory Information

```
--------\Chemical Inventory Status - Part 1\---------------------------------
Ingredient                                        TSCA  EC   Japan  Australia
----------------------------------------------   ----  ---  -----  ---------
Lead (7439-92-1)                                  Yes  Yes   Yes      Yes

--------\Chemical Inventory Status - Part 2\---------------------------------
                                                            --Canada--
```

Ingredient	Korea	DSL	NDSL	Phil.
Lead (7439-92-1)	Yes	Yes	No	Yes

--------\Federal, State & International Regulations - Part 1\----------

Ingredient	-SARA 302- RQ	TPQ	------SARA 313------ List	Chemical Catg.
Lead (7439-92-1)	No	No	Yes	No

--------\Federal, State & International Regulations - Part 2\----------

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Lead (7439-92-1)	10	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Pure / Solid)

WARNING:
THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

Australian Hazchem Code: None allocated.
Poison Schedule: S6
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

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16. Other Information

NFPA Ratings: Health: **3** Flammability: **1** Reactivity: **0**
Label Hazard Warning:
POISON! DANGER! MAY BE FATAL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. NEUROTOXIN. AFFECTS THE GUM TISSUE, CENTRAL NERVOUS SYSTEM, KIDNEYS, BLOOD AND REPRODUCTIVE SYSTEM. POSSIBLE CANCER HAZARD. MAY CAUSE CANCER BASED ON ANIMAL DATA. Risk of cancer depends on duration and level of exposure.
Label Precautions:
Do not get in eyes, on skin, or on clothing.
Do not breathe dust.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.
Label First Aid:
If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not

breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. In all cases, get medical attention.

Product Use:

Laboratory Reagent.

Revision Information:

No Changes.

Disclaimer:

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****

Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

MSDS Number: **M1599** * * * * * *Effective Date:* ***12/19/05*** * * * * * *Supercedes:* ***08/10/04***

MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

Mallinckrodt CHEMICALS J.T.Baker

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. and Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

MERCURY

1. Product Identification

Synonyms: Quicksilver; hydrargyrum; Liquid Silver
CAS No.: 7439-97-6
Molecular Weight: 200.59
Chemical Formula: Hg
Product Codes:
J.T. Baker: 2564, 2567, 2569
Mallinckrodt: 1278, 1280, 1288

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Mercury	7439-97-6	90 - 100%	Yes

3. Hazards Identification

Emergency Overview

DANGER! CORROSIVE. CAUSES BURNS TO SKIN, EYES, AND RESPIRATORY TRACT. MAY BE FATAL IF SWALLOWED OR INHALED. HARMFUL IF ABSORBED THROUGH SKIN. AFFECTS THE KIDNEYS AND CENTRAL NERVOUS SYSTEM. MAY CAUSE ALLERGIC SKIN REACTION.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 4 - Extreme (Life)
Flammability Rating: 0 - None
Reactivity Rating: 1 - Slight
Contact Rating: 3 - Severe (Corrosive)
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: White (Corrosive)

Potential Health Effects

Inhalation:
Mercury vapor is highly toxic via this route. Causes severe respiratory tract damage. Symptoms include sore throat, coughing, pain, tightness in chest, breathing difficulties, shortness of breath, headache, muscle weakness, anorexia, gastrointestinal disturbance, ringing in the ear, liver changes, fever, bronchitis and pneumonitis. Can be absorbed through inhalation with symptoms similar to ingestion.
Ingestion:
May cause burning of the mouth and pharynx, abdominal pain, vomiting, corrosive ulceration, bloody diarrhea. May be followed by a rapid and weak pulse, shallow breathing, paleness, exhaustion, tremors and collapse. Delayed death may occur from renal failure. Gastrointenstinal uptake of mercury is less than 5% but its ability to penetrate tissues presents some hazard. Initial symptoms may be thirst, possible abdominal discomfort.
Skin Contact:
Causes irritaton and burns to skin. Symptoms include redness and pain. May cause skin allergy and sensitization. Can be absorbed through the skin with symptoms to parallel ingestion.
Eye Contact:
Causes irritation and burns to eyes. Symptoms include redness, pain, blurred vision; may cause serious and permanent eye damage.
Chronic Exposure:
Chronic exposure through any route can produce central nervous system damage. May cause muscle tremors, personality and behavior changes, memory loss, metallic taste, loosening of the teeth, digestive disorders, skin rashes, brain damage and kidney damage. Can cause skin allergies and accumulate in the body. Repeated skin contact can cause the skin to turn gray in color. A suspected reproductive hazard; may damage the developing fetus and decrease fertility in males and females.
Aggravation of Pre-existing Conditions:
Persons with nervous disorders, or impaired kidney or respiratory function, or a history of allergies or a known sensitization to mercury may be more susceptible to the effects of the substance.

4. First Aid Measures

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion:
Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin Contact:
Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eye Contact:
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

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5. Fire Fighting Measures

Fire:
Not considered to be a fire hazard.
Explosion:
Not considered to be an explosion hazard.
Fire Extinguishing Media:
Use any means suitable for extinguishing surrounding fire. Do not allow water runoff to enter sewers or waterways.
Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Undergoes hazardous reactions in the presence of heat and sparks or ignition. Smoke may contain toxic mercury or mercuric oxide. Smoke may contain toxic mercury or mercuric oxide.

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6. Accidental Release Measures

Ventilate area of leak or spill. Clean-up personnel require protective clothing and respiratory protection from vapor.

Spills: Pick up and place in a suitable container for reclamation or disposal in a method that does not generate misting. Sprinkle area with sulfur or calcium polysulfide to suppress mercury. Do not flush to sewer. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

J. T. Baker CINNASORB® and RESISORB® are recommended for spills of this product.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Do not use or store on porous work surfaces (wood, unsealed concrete, etc.). Follow strict hygiene practices. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
- OSHA Acceptable Ceiling Concentration:
mercury and mercury compounds: 0.1 mg/m3 (TWA), skin
- ACGIH Threshold Limit Value (TLV):
inorganic and metallic mercury, as Hg: 0.025 mg/m3 (TWA) skin, A4 Not classifiable as a human carcinogen.
- ACGIH Biological Exposure Indices:
total inorganic mercury in urine (preshift): 35 ug/g creatinine;
total inorganic mercury in blood (end of shift): 15 ug/l.

Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded and engineering controls are not feasible, a half-face respirator with a mercury vapor or chlorine gas cartridge may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece respirator with a mercury vapor or chlorine gas cartridge may be worn up to 50 times the exposure limit, or the maximum use concentraiton specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:
Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:
Silver-white, heavy, mobile, liquid metal.
Odor:
Odorless.
Solubility:
Insoluble in water.
Density:
13.55
pH:
No information found.
% Volatiles by volume @ 21C (70F):
100
Boiling Point:
356.7C (675F)
Melting Point:
-38.87C (-38F)
Vapor Density (Air=1):
7.0
Vapor Pressure (mm Hg):
0.0018 @ 25C (77F)
Evaporation Rate (BuAc=1):
4

---

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
At high temperatures, vaporizes to form extremely toxic fumes.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
Acetylenes, ammonia, ethylene oxide, chlorine dioxide, azides, metal oxides, methyl silane, lithium, rubidium, oxygen, strong oxidants, metal carbonyls.
Conditions to Avoid:
Heat, flames, ignition sources, metal surfaces and incompatibles.

---

11. Toxicological Information

Toxicological Data:
Investigated as a tumorigen, mutagen, reproductive effector.
Reproductive Toxicity:
All forms of mercury can cross the placenta to the fetus, but most of what is known has

been learned from experimental animals. See Chronic Health Hazards.
Carcinogenicity:
EPA / IRIS classification: Group D1 - Not classifiable as a human carcinogen.

```
--------\Cancer Lists\-------------------------------------------------------
                                        ---NTP Carcinogen---
Ingredient                              Known    Anticipated    IARC Category
------------------------------------    -----    -----------    -------------
Mercury (7439-97-6)                      No          No              3
```

12. Ecological Information

Environmental Fate:
This material has an experimentally-determined bioconcentration factor (BCF) of greater than 100. This material is expected to significantly bioaccumulate.
Environmental Toxicity:
This material is expected to be toxic to aquatic life. The LC50/96-hour values for fish are less than 1 mg/l.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: RQ, MERCURY
Hazard Class: 8
UN/NA: UN2809
Packing Group: III
Information reported for product/size: 1LB

International (Water, I.M.O.)

Proper Shipping Name: MERCURY
Hazard Class: 8
UN/NA: UN2809
Packing Group: III
Information reported for product/size: 1LB

International (Air, I.C.A.O.)

Proper Shipping Name: MERCURY
Hazard Class: 8
UN/NA: UN2809
Packing Group: III
Information reported for product/size: 1LB

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15. Regulatory Information

```
--------\Chemical Inventory Status - Part 1\---------------------------------
Ingredient                                        TSCA  EC   Japan  Australia
----------------------------------------------  ----  ---  -----  ---------
Mercury (7439-97-6)                               Yes  Yes   No       Yes

--------\Chemical Inventory Status - Part 2\---------------------------------
                                                         --Canada--
Ingredient                                        Korea  DSL   NDSL  Phil.
----------------------------------------------  -----  ---   ----  -----
Mercury (7439-97-6)                               Yes   Yes   No     Yes

--------\Federal, State & International Regulations - Part 1\----------------
                                            -SARA 302-    ------SARA 313------
Ingredient                                  RQ    TPQ     List  Chemical Catg.
----------------------------------------  ---   -----   ----  --------------
Mercury (7439-97-6)                         No    No      Yes        No

--------\Federal, State & International Regulations - Part 2\----------------
                                                         -RCRA-    -TSCA-
Ingredient                                  CERCLA     261.33     8(d)
----------------------------------------  ------     ------    ------
Mercury (7439-97-6)                         1          U151       No


Chemical Weapons Convention:  No     TSCA 12(b):  No     CDTA:  No
SARA 311/312:  Acute: Yes      Chronic: Yes  Fire: No  Pressure: No
Reactivity: No          (Pure / Liquid)
```

WARNING:
THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

Australian Hazchem Code: 2Z
Poison Schedule: S7
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

---

16. Other Information

NFPA Ratings: Health: **3** Flammability: **0** Reactivity: **0**
Label Hazard Warning:
DANGER! CORROSIVE. CAUSES BURNS TO SKIN, EYES, AND RESPIRATORY TRACT. MAY BE FATAL IF SWALLOWED OR INHALED. HARMFUL IF ABSORBED THROUGH SKIN. AFFECTS THE KIDNEYS AND CENTRAL NERVOUS SYSTEM. MAY CAUSE ALLERGIC SKIN REACTION.
Label Precautions:
Do not get in eyes, on skin, or on clothing.
Do not breathe vapor.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.
Label First Aid:
If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. In all cases get medical attention immediately.
Product Use:
Laboratory Reagent.
Revision Information:
MSDS Section(s) changed since last revision of document include: 3.
Disclaimer:
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****

Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

Material Safety Data Sheet

Phenanthrene, 90%

ACC# 59921

Section 1 - Chemical Product and Company Identification

MSDS Name: Phenanthrene, 90%
Catalog Numbers: AC130100000, AC130100010, AC130102500
Synonyms:
Company Identification:
Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410
For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
85-01-8	Phenanthrene	90.0	201-581-5

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: brown solid.
Caution! Powdered material may form explosive dust-air mixtures. May cause allergic skin reaction. May cause eye and skin irritation. May cause respiratory tract irritation. Cancer suspect agent.
Target Organs: None.

Potential Health Effects
Eye: May cause eye irritation.
Skin: May cause skin irritation. May cause photosensitive skin reactions in certain individuals.
Ingestion: May cause irritation of the digestive tract.
Inhalation: Inhalation of dust may cause respiratory tract irritation.
Chronic: No information found.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid imme diately.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media: Use water spray or dry chemical.
Flash Point: Not available.
Autoignition Temperature: Not available.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 1; Flammability: 1; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Storage: Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Phenanthrene	0.2 mg/m3 TWA (as benzene soluble aerosol) (listed under Coal tar pitches).	0.1 mg/m3 TWA (cyclohexane-extractable fraction) (listed under Coal tar pitches).80 mg/m3 IDLH (listed under Coal tar pitches).	0.2 mg/m3 TWA (as benzene soluble fraction) (listed under Coal tar pitches).

OSHA Vacated PELs: Phenanthrene: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Appearance: brown
Odor: none reported
pH: Not available.
Vapor Pressure: 1 mm Hg @116c
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 340 deg C
Freezing/Melting Point:101 deg C
Decomposition Temperature: Not available.
Solubility: insoluble
Specific Gravity/Density:1.0630g/cm3
Molecular Formula:C14H10
Molecular Weight:178.23

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, dust generation, strong oxidants.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 85-01-8: SF7175000
LD50/LC50:
CAS# 85-01-8:
Oral, mouse: LD50 = 700 mg/kg;
Oral, rat: LD50 = 1.8 gm/kg;
.

Carcinogenicity:
CAS# 85-01-8:

- **ACGIH:** A1 - Confirmed Human Carcinogen (as benzene soluble aerosol) (listed as 'Coal tar pitches').
- **California:** Not listed.
- **NTP:** Known carcinogen (listed as Coal tar pitches).
- **IARC:** Group 1 carcinogen (listed as Coal tar pitches).

Epidemiology: No data available.
Teratogenicity: No data available.
Reproductive Effects: No data available.
Mutagenicity: No data available.
Neurotoxicity: No data available.
Other Studies:

Section 12 - Ecological Information

No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	Not regulated as a hazardous material	No information available.
Hazard Class:		
UN Number:		
Packing Group:		

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 85-01-8 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 85-01-8: 5000 lb final RQ; 2270 kg final RQ
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 85-01-8: immediate.
Section 313
This material contains Phenanthrene (CAS# 85-01-8, 90.0%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
CAS# 85-01-8 is listed as a Priority Pollutant under the Clean Water Act.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 85-01-8 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, (listed as Coal tar pitches), Massachusetts.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European / International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols:
T
Risk Phrases:
R 45 May cause cancer.

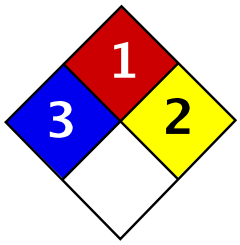
Safety Phrases:
S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)
CAS# 85-01-8: No information available.
Canada - DSL/NDSL
CAS# 85-01-8 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of D2B.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian Ingredient Disclosure List
CAS# 85-01-8 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 7/14/1998
Revision #3 Date: 10/03/2005

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.



Health	3
Fire	1
Reactivity	2
Personal Protection	E

Material Safety Data Sheet
Arsenic MSDS

Section 1: Chemical Product and Company Identification

Product Name: Arsenic

Catalog Codes: SLA1006

CAS#: 7440-38-2

RTECS: CG0525000

TSCA: TSCA 8(b) inventory: Arsenic

CI#: Not applicable.

Synonym:

Chemical Name: Arsenic

Chemical Formula: As

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Arsenic	7440-38-2	100

Toxicological Data on Ingredients: Arsenic: ORAL (LD50): Acute: 763 mg/kg [Rat]. 145 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to kidneys, lungs, the nervous system, mucous membranes.
Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks, of heat, of oxidizing materials.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Material in powder form, capable of creating a dust explosion. When heated to decomposition it emits highly toxic fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not

present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.01 from ACGIH (TLV) [United States] [1995]
Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 74.92 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: Not available.

Melting Point: Sublimation temperature: 615°C (1139°F)

Critical Temperature: Not available.

Specific Gravity: 5.72 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents, acids, moisture.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 145 mg/kg [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH.
Causes damage to the following organs: kidneys, lungs, the nervous system, mucous membranes.

Other Toxic Effects on Humans:
Very hazardous in case of ingestion, of inhalation.
Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Arsenic UNNA: UN1558 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Arsenic
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Arsenic
Pennsylvania RTK: Arsenic
Massachusetts RTK: Arsenic
TSCA 8(b) inventory: Arsenic

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R22- Harmful if swallowed.
R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 2

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 1

Reactivity: 2

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Safety glasses.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987.
-Liste des produits purs tératogènes, mutagènes, cancérogènes. Répertoire toxicologique de la Commission de la Santé et de la Sécurité du Travail du Québec.
-Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec.
-SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984.
-The Sigma-Aldrich Library of Chemical Safety Data, Edition II.
-Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

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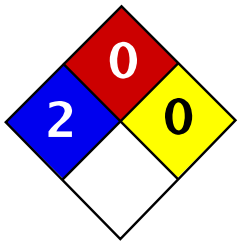

Health	2
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Nickel metal MSDS

Section 1: Chemical Product and Company Identification

Product Name: Nickel metal

Catalog Codes: SLN2296, SLN1342, SLN1954

CAS#: 7440-02-0

RTECS: QR5950000

TSCA: TSCA 8(b) inventory: Nickel metal

CI#: Not applicable.

Synonym: Nickel Metal shot; Nickel metal foil.

Chemical Name: Nickel

Chemical Formula: Ni

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Nickel metal	7440-02-0	100

Toxicological Data on Ingredients: Nickel metal LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (sensitizer), of ingestion, of inhalation (lung sensitizer).
CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. Classified 2 (Some evidence.) by NTP.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to skin.
The substance may be toxic to kidneys, lungs, liver, upper respiratory tract.
Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Material in powder form, capable of creating a dust explosion. This material is flammable in powder form only.

Special Remarks on Explosion Hazards:
Material in powder form, capable of creating a dust explosion.
Mixtures containing Potassium Perchlorate with Nickel & Titanium powders & infusorial earth can explode.
Adding 2 or 3 drops of approximately 90% peroxyformic acid to powdered nickel will result in explosion.
Powdered nickel reacts explosively upon contact with fused ammonium nitrate at temperatures below 200 deg. C.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents, combustible materials, metals, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 1 (mg/m3) from ACGIH (TLV) [United States] Inhalation Respirable.
TWA: 0.5 (mg/m3) [United Kingdom (UK)]
TWA: 1 (mg/m3) from OSHA (PEL) [United States] InhalationConsult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid. Lustrous solid.)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 58.71 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: 2730°C (4946°F)

Melting Point: 1455°C (2651°F)

Critical Temperature: Not available.

Specific Gravity: Density: 8.908 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Insoluble in cold water, hot water.
Insoluble in Ammonia.
Soluble in dilute Nitric Acid.
Slightly soluble in Hydrochloric Acid, Sulfuric Acid.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, combustible materials, metals, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with strong acids, selenium, sulfur, wood and other combustibles, nickel nitrate, aluminum, aluminum trichloride, ethylene, p-dioxan, hydrogen, methanol, non-metals, oxidants, sulfur compounds, aniline, hydrogen sulfide, flammable solvents, hydrazine, and metal powders (especially zinc, aluminum, and magnesium), ammonium nitrate, nitryl fluoride, bromine pentafluoride, potassium perchlorate + titanium powder + indusorial earth.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available.
LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. Classified 2 (Some evidence.) by NTP.
Causes damage to the following organs: skin.
May cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract.

Other Toxic Effects on Humans:

Hazardous in case of inhalation.
Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion.

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose/Conc:
LDL [Rat] - Route: Oral; Dose: 5000 mg/kg
LDL [Guinea Pig] - Route: Oral; Dose: 5000 mg/kg

Special Remarks on Chronic Effects on Humans: May cause cancer based on animal test data

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects:
Skin: Nickel dust and fume can irritate skin.
Eyes: Nickel dust and fume can irritate eyes.
Inhalation: Inhalation of dust or fume may cause respiratory tract irritation with non-productive cough, hoarseness, sore throat, headache, vertigo, weakness, chest pain, followed by delayed effects, including tachypnea, dyspnea, and ARDS. Death due to ARDS has been reported following inhalation of high concentrations of respirable metallic nickel dust. Later effects may include pulmonary edema and fibrosis.
Ingestion: Metallic nickel is generally considered not to be acutely toxic if ingested. Ingestion may cause nausea, vomiting, abdominal , and diarrhea. Nickel may damage the kidneys(proteinuria), and may affect liver function. It may also affect behavior (somnolence), and cardiovascular system (increased cornary artery resistance, decreased myocardial contractility, myocardial damage, regional or general arteriolar or venus dilation).
Chronic Potential Health Effects:
Skin: May cause skin allergy. Nickel and nickel compounds are among the most common sensitizers inducing allergic contact dermatitis.
Inhalation: Chronic inhalation nickel dust or fume can cause chronic hypertrophic rhinitis, sinusitis, nasal polyps, perforation of the nasal septum, chronic pulmonary irritation, fibrosis, pulmonary edema, pulmonary eosinophilia, Pneumoconiosis, allergies (asthma-like allergy), and cancer of the nasal sinus cavities, lungs, and possibly other organs. Future exposures can cause asthma attacks with shortness of breath, wheezing, cough, and/or chest tightness. Chronic inhalation of nickel dust or fume may also affect the liver (impaired liver function tests), and blood (changes in red blood cell count).
Ingestion: Prolonged or repeated ingestion of nickel can be a source chronic urticaria and other signs of allergy. Chronic ingestion of NIckel may also affect respiration and cause pneumoconiosis or fibrosis.
Note: In the general population, sensitization occurs from exposure to nickel-containing coins, jewelry, watches,

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Nickel metal
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Nickel metal
Connecticut hazardous material survey.: Nickel metal
Illinois toxic substances disclosure to employee act: Nickel metal
Illinois chemical safety act: Nickel metal
New York release reporting list: Nickel metal
Rhode Island RTK hazardous substances: Nickel metal
Pennsylvania RTK: Nickel metal
Michigan critical material: Nickel metal
Massachusetts RTK: Nickel metal
Massachusetts spill list: Nickel metal
New Jersey: Nickel metal
New Jersey spill list: Nickel metal
Louisiana spill reporting: Nickel metal
California Director's List of Hazardous Substances: Nickel metal
TSCA 8(b) inventory: Nickel metal

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R40- Possible risks of irreversible effects.
R43- May cause sensitization by skin contact.
S22- Do not breathe dust.
S36- Wear suitable protective clothing.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:42 PM

Last Updated: 10/10/2005 08:42 PM

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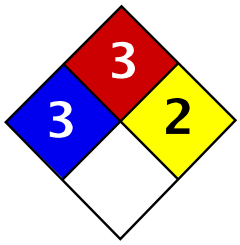

Health	3
Fire	3
Reactivity	2
Personal Protection	J

Material Safety Data Sheet
Calcium MSDS

Section 1: Chemical Product and Company Identification

Product Name: Calcium

Catalog Codes: SLC2782

CAS#: 7440-70-2

RTECS: EV8040000

TSCA: TSCA 8(b) inventory: Calcium

CI#: Not available.

Synonym:

Chemical Formula: Ca

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Calcium	7440-70-2	100

Toxicological Data on Ingredients: Calcium LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Corrosive to eyes and skin. The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to lungs, mucous membranes.
Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:
If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical got on the victim's exposed skin, such as the hands : Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Corrosive solid. Flammable solid that, in contact with water, emits flammable gases.
Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Cover with dry earth, sand or other non-combustible material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

Section 7: Handling and Storage

Precautions:
Keep under inert atmosphere. Keep container dry. Do not breathe dust. Never add water to this product Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes Keep away from incompatibles such as acids, moisture.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 40.08 g/mole

Color: Not available.

pH (1% soln/water): Not available.

Boiling Point: 1484°C (2703.2°F)

Melting Point: 839°C (1542.2°F)

Critical Temperature: Not available.

Specific Gravity: 1.54 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Not available.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances:
Highly reactive with acids.
Reactive with moisture.
The product reacts violently with water to emit flammable but non toxic gases.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available.
LC50: Not available.

Chronic Effects on Humans: The substance is toxic to lungs, mucous membranes.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 4.3: Material that emits flammable gases on contact with water.

Identification: : Calcium : UN1401 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Calcium
Massachusetts RTK: Calcium
TSCA 8(b) inventory: Calcium

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS B-6: Reactive and very flammable material.
CLASS E: Corrosive solid.

DSCL (EEC): R36/38- Irritating to eyes and skin.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 3

Reactivity: 2

Personal Protection: j

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 3

Reactivity: 2

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Health	3
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Cadmium MSDS

Section 1: Chemical Product and Company Identification

Product Name: Cadmium

Catalog Codes: SLC3484, SLC5272, SLC2482

CAS#: 7440-43-9

RTECS: EU9800000

TSCA: TSCA 8(b) inventory: Cadmium

CI#: Not applicable.

Synonym:

Chemical Name: Cadmium

Chemical Formula: Cd

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Cadmium	7440-43-9	100

Toxicological Data on Ingredients: Cadmium: ORAL (LD50): Acute: 2330 mg/kg [Rat.]. 890 mg/kg [Mouse]. DUST (LC50): Acute: 50 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A2 (Suspected for human.) by ACGIH, 2 (Reasonably anticipated.) by NTP.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to kidneys, lungs, liver.
Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact: No known effect on eye contact, rinse with water for a few minutes.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 570°C (1058°F)

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances:
Non-flammable in presence of open flames and sparks, of heat, of oxidizing materials, of reducing materials, of combustible materials, of moisture.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Material in powder form, capable of creating a dust explosion. When heated to decomposition it emits toxic fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.01 (ppm)
Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 112.4 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: 765°C (1409°F)

Melting Point: 320.9°C (609.6°F)

Critical Temperature: Not available.

Specific Gravity: 8.64 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity: Reacts violently with potassium.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute oral toxicity (LD50): 890 mg/kg [Mouse].
Acute toxicity of the dust (LC50): 229.9 mg/m3 4 hour(s) [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A2 (Suspected for human.) by ACGIH, 2 (Reasonably anticipated.) by NTP.
The substance is toxic to kidneys, lungs, liver.

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation.
Slightly hazardous in case of skin contact (irritant, sensitizer).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: An allergen. 0047 Animal: embryotoxic, passes through the placental barrier.

Special Remarks on other Toxic Effects on Humans: May cause allergic reactions, exzema and/or dehydration of the skin.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification:

Identification:

Special Provisions for Transport:

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Cadmium
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Cadmium
Pennsylvania RTK: Cadmium
Massachusetts RTK: Cadmium
TSCA 8(b) inventory: Cadmium
SARA 313 toxic chemical notification and release reporting: Cadmium
CERCLA: Hazardous substances.: Cadmium

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R26- Very toxic by inhalation.
R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Safety glasses.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987.
-Liste des produits purs tératogènes, mutagènes, cancérogènes. Répertoire toxicologique de la Commission de la Santé et de la Sécurité du Travail du Québec.
-Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec.
-SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984.
-The Sigma-Aldrich Library of Chemical Safety Data, Edition II.
-Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

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Health	2
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Copper MSDS

Section 1: Chemical Product and Company Identification

Product Name: Copper

Catalog Codes: SLC4939, SLC2152, SLC3943, SLC1150, SLC2941, SLC4729, SLC1936, SLC3727, SLC5515

CAS#: 7440-50-8

RTECS: GL5325000

TSCA: TSCA 8(b) inventory: Copper

CI#: Not available.

Synonym:

Chemical Name: Not available.

Chemical Formula: Cu

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Copper	7440-50-8	100

Toxicological Data on Ingredients: Copper LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion. Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to lungs, mucous membranes.
Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If you feel unwell, seek medical attention and show the label when possible.

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 1 (mg/m3) from ACGIH [1990]
Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 63.54 g/mole

Color: Not available.

pH (1% soln/water): Not applicable.

Boiling Point: 2595°C (4703°F)

Melting Point: 1083°C (1981.4°F)

Critical Temperature: Not available.

Specific Gravity: 8.94 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available.
LC50: Not available.

Chronic Effects on Humans: The substance is toxic to lungs, mucous membranes.

Other Toxic Effects on Humans:
Very hazardous in case of ingestion.
Hazardous in case of inhalation.
Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Human: passes through the placenta, excreted in maternal milk.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Copper
Massachusetts RTK: Copper
TSCA 8(b) inventory: Copper
CERCLA: Hazardous substances.: Copper

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC): R36- Irritating to eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator

when ventilation is inadequate.
Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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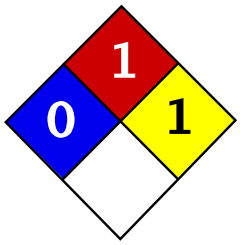

Health	1
Fire	3
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Material Safety Data Sheet
Magnesium MSDS

Section 1: Chemical Product and Company Identification

Product Name: Magnesium

Catalog Codes: SLM4408, SLM2263, SLM3637

CAS#: 7439-95-4

RTECS: OM2100000

TSCA: TSCA 8(b) inventory: Magnesium

CI#: Not applicable.

Synonym: Magnesium ribbons, turnings or sticks

Chemical Name: Magnesium

Chemical Formula: Mg

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Magnesium	7439-95-4	100

Toxicological Data on Ingredients: Magnesium LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at

least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat.
Flammable in presence of acids, of moisture.
Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
Explosive in presence of acids, of moisture.

Fire Fighting Media and Instructions:
Flammable solid.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards:
Magnesium turnings, chips or granules, ribbons, are flammable. They can be easily ignited. They may reignite after fire is extinguished. Produces flammable gases on contact with water and acid. May ignite on contact with water or moist air.
Magnesium fires do not flare up violently unless moisture is present.

Special Remarks on Explosion Hazards: Reacts with acids and water to form hydrogen gas with is highly flammable and eplosive

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid.
Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage:
Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Moisture sensitive. Dangerous when wet.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 24.31 g/mole

Color: Silver-white

pH (1% soln/water): Not applicable.

Boiling Point: 1100°C (2012°F)

Melting Point: 651°C (1203.8°F)

Critical Temperature: Not available.

Specific Gravity: 1.74 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Very slightly soluble in hot water.
Insoluble in cold water.
Insoluble in chromium trioxides, and mineral acids, alkalies.
Slightly soluble with decomposition in hot water.
Soluble in concentrated hydrogen fluoride, and ammonium salts.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, incompatible materials, water or moisture, moist air.

Incompatibility with various substances: Reactive with oxidizing agents, acids, moisture.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Violent chemical reaction with oxidizing agents.
Reacts with water to create hydrogen gas and heat. Must be kept dry.
Reacts with acids to form hydrogen gas which is highly flammable and explosive.
Magnesium forms hazardous or explosive mixtures with aluminum and potassium perchlorate; ammonium nitrate; barium nitrate, barium dioxide and zinc; beryllium oxide; boron phosphodiiodide; bromobenzyl trifluoride; cadmium cyanide; cadmium oxide; calcium carbide; carbonates; carbon tetrachloride; chlorine; chlorine trifluoride; chloroform; cobalt cyanide; copper cyanide; copper sulfate(anhydrous), ammonium nitrate, potassium chlorate and water; cupric oxide; cupric sulfate; fluorine; gold cyanide; hydrogen and calcium carbonate; hydrogen iodide; hydrogen peroxide; iodine; lead cyanide; mercuric oxide; mercury cyanide; methyl chloride; molybdenum trioxide; nickel cyanide; nitric acid; nitrogen dioxide; oxygen (liquid); performic acid; phosphates; potassium chlorate; potassium perchlorate; silver nitrate; silver oxide; sodium perchlorate; sodium peroxide; sodium peroxide and carbon dioxide; stannic oxide; sulfates; trichloroethylene; zinc cyanide; zinc oxide.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available.
LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects:
Skin: May cause skin irritation by mechanical action. May get mechanical injury or embedding of chips/particles in skin. The particles that are embedded in the wounds may retard healing.
Eyes: May cause eye irritation by mechanical action. Mechanical injury may occur. Particles or chips may embed in eye and retard healing.
Inhalation: Low hazard for ususal industrial handling. It may cause respiratory tract irritation. However, it is unlikely due to physical form. When Magnesium metal is heated during welding or smelting process, Metal Fume Fever may result from inhalation of magnesium fumes. Metal Fume Fever is a flu-like condition consisting of fever, chills, sweating, aches, pains, cough, weakness, headache, nausea, vomiting, and breathing difficulty. Other symptoms may include metallic taste, increased white blood cell count. There is no permanent ill-effect.
Ingestion: Low hazard for usual industrial handling. There are no known reports of serious industrial poisonings with Magnesium. Ingeston of large amounts of chips, turnings or ribbons may cause gastrointestinal tract irritation with nausea, vomiting, and diarrhea. Acute ingestion may also result in Hypermagnesia. Hypermagnesia may cause hypotension, bradycardia, CNS depression, respiratory depression, and impairment of neuromuscular transmission (hyporeflexia, paralysis).

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Magnesium UNNA: 1869 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Magnesium
Rhode Island RTK hazardous substances: Magnesium
Pennsylvania RTK: Magnesium

Massachusetts RTK: Magnesium
Massachusetts spill list: Magnesium
New Jersey: Magnesium
TSCA 8(b) inventory: Magnesium

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-4: Flammable solid.
CLASS B-6: Reactive and very flammable material.

DSCL (EEC):
R11- Highly flammable.
R15- Contact with water liberates extremely flammable gases.
S7/8- Keep container tightly closed and dry.
S43- In case of fire, use dry chemical. Never use water.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 3

Reactivity: 2

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 1

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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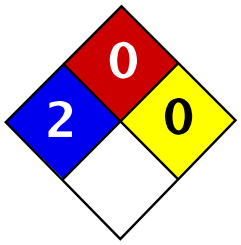

Health	2
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Nickel metal MSDS

Section 1: Chemical Product and Company Identification

Product Name: Nickel metal

Catalog Codes: SLN2296, SLN1342, SLN1954

CAS#: 7440-02-0

RTECS: QR5950000

TSCA: TSCA 8(b) inventory: Nickel metal

CI#: Not applicable.

Synonym: Nickel Metal shot; Nickel metal foil.

Chemical Name: Nickel

Chemical Formula: Ni

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Nickel metal	7440-02-0	100

Toxicological Data on Ingredients: Nickel metal LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (sensitizer), of ingestion, of inhalation (lung sensitizer).
CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. Classified 2 (Some evidence.) by NTP.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to skin.
The substance may be toxic to kidneys, lungs, liver, upper respiratory tract.
Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Material in powder form, capable of creating a dust explosion. This material is flammable in powder form only.

Special Remarks on Explosion Hazards:
Material in powder form, capable of creating a dust explosion.
Mixtures containing Potassium Perchlorate with Nickel & Titanium powders & infusorial earth can explode.
Adding 2 or 3 drops of approximately 90% peroxyformic acid to powdered nickel will result in explosion.
Powdered nickel reacts explosively upon contact with fused ammonium nitrate at temperatures below 200 deg. C.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents, combustible materials, metals, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 1 (mg/m3) from ACGIH (TLV) [United States] Inhalation Respirable.
TWA: 0.5 (mg/m3) [United Kingdom (UK)]
TWA: 1 (mg/m3) from OSHA (PEL) [United States] InhalationConsult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid. Lustrous solid.)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 58.71 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: 2730°C (4946°F)

Melting Point: 1455°C (2651°F)

Critical Temperature: Not available.

Specific Gravity: Density: 8.908 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Insoluble in cold water, hot water.
Insoluble in Ammonia.
Soluble in dilute Nitric Acid.
Slightly soluble in Hydrochloric Acid, Sulfuric Acid.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, combustible materials, metals, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with strong acids, selenium, sulfur, wood and other combustibles, nickel nitrate, aluminum, aluminum trichloride, ethylene, p-dioxan, hydrogen, methanol, non-metals, oxidants, sulfur compounds, aniline, hydrogen sulfide, flammable solvents, hydrazine, and metal powders (especially zinc, aluminum, and magnesium), ammonium nitrate, nitryl fluoride, bromine pentafluoride, potassium perchlorate + titanium powder + indusorial earth.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available.
LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. Classified 2 (Some evidence.) by NTP.
Causes damage to the following organs: skin.
May cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract.

Other Toxic Effects on Humans:

Hazardous in case of inhalation.
Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion.

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose/Conc:
LDL [Rat] - Route: Oral; Dose: 5000 mg/kg
LDL [Guinea Pig] - Route: Oral; Dose: 5000 mg/kg

Special Remarks on Chronic Effects on Humans: May cause cancer based on animal test data

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects:
Skin: Nickel dust and fume can irritate skin.
Eyes: Nickel dust and fume can irritate eyes.
Inhalation: Inhalation of dust or fume may cause respiratory tract irritation with non-productive cough, hoarseness, sore throat, headache, vertigo, weakness, chest pain, followed by delayed effects, including tachypnea, dyspnea, and ARDS. Death due to ARDS has been reported following inhalation of high concentrations of respirable metallic nickel dust. Later effects may include pulmonary edema and fibrosis.
Ingestion: Metallic nickel is generally considered not to be acutely toxic if ingested. Ingestion may cause nausea, vomiting, abdominal , and diarrhea. Nickel may damage the kidneys(proteinuria), and may affect liver function. It may also affect behavior (somnolence), and cardiovascular system (increased cornary artery resistance, decreased myocardial contractility, myocardial damage, regional or general arteriolar or venus dilation).
Chronic Potential Health Effects:
Skin: May cause skin allergy. Nickel and nickel compounds are among the most common sensitizers inducing allergic contact dermatitis.
Inhalation: Chronic inhalation nickel dust or fume can cause chronic hypertrophic rhinitis, sinusitis, nasal polyps, perforation of the nasal septum, chronic pulmonary irritation, fibrosis, pulmonary edema, pulmonary eosinophilia, Pneumoconiosis, allergies (asthma-like allergy), and cancer of the nasal sinus cavities, lungs, and possibly other organs. Future exposures can cause asthma attacks with shortness of breath, wheezing, cough, and/or chest tightness. Chronic inhalation of nickel dust or fume may also affect the liver (impaired liver function tests), and blood (changes in red blood cell count).
Ingestion: Prolonged or repeated ingestion of nickel can be a source chronic urticaria and other signs of allergy. Chronic ingestion of NIckel may also affect respiration and cause pneumoconiosis or fibrosis.
Note: In the general population, sensitization occurs from exposure to nickel-containing coins, jewelry, watches,

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Nickel metal
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Nickel metal
Connecticut hazardous material survey.: Nickel metal
Illinois toxic substances disclosure to employee act: Nickel metal
Illinois chemical safety act: Nickel metal
New York release reporting list: Nickel metal
Rhode Island RTK hazardous substances: Nickel metal
Pennsylvania RTK: Nickel metal
Michigan critical material: Nickel metal
Massachusetts RTK: Nickel metal
Massachusetts spill list: Nickel metal
New Jersey: Nickel metal
New Jersey spill list: Nickel metal
Louisiana spill reporting: Nickel metal
California Director's List of Hazardous Substances: Nickel metal
TSCA 8(b) inventory: Nickel metal

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R40- Possible risks of irreversible effects.
R43- May cause sensitization by skin contact.
S22- Do not breathe dust.
S36- Wear suitable protective clothing.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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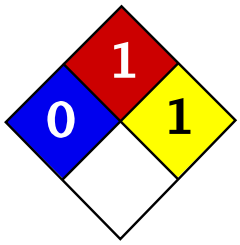

Health	1
Fire	1
Reactivity	1
Personal Protection	E

Material Safety Data Sheet
Zinc Metal MSDS

Section 1: Chemical Product and Company Identification

Product Name: Zinc Metal

Catalog Codes: SLZ1054, SLZ1159, SLZ1267, SLZ1099, SLZ1204

CAS#: 7440-66-6

RTECS: ZG8600000

TSCA: TSCA 8(b) inventory: Zinc Metal

CI#: Not applicable.

Synonym: Zinc Metal Sheets; Zinc Metal Shot; Zinc Metal Strips

Chemical Name: Zinc Metal

Chemical Formula: Zn

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Zinc Metal	7440-66-6	100

Toxicological Data on Ingredients: Zinc Metal LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 480°C (896°F)

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances:
Slightly flammable to flammable in presence of open flames and sparks, of heat, of oxidizing materials, of acids, of alkalis, of moisture.
Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards:
Zinc + NaOH causes ignition.
Oxidation of zinc by potassium proceeds with incandescence.
Residues from zinc dust /acetic acid reduction operations may ignite after long delay if discarded into waste bins with paper.
Incandescent reaction when Zinc and Arsenic or Tellurium, or Selenium are combined.
When hydrazine mononitrate is heated in contact with zinc, a flamming decomposition occurs at temperatures a little above its melting point.
Contact with acids and alkali hydroxides (sodium hydroxide, postasium hydroxide, calcium hydroxide, etc.) results in evolution of hydrogen with sufficient heat of reaction to ignite the hydrogen gas.
Zinc foil ignites if traces of moisture are present.
It is water reactive and produces flammable gases on contact with water. It may ignite on contact with water or

moist air.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Flammable solid that, in contact with water, emits flammable gases.
Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Cover with dry earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids, alkalis, moisture.

Storage:
Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep from any possible contact with water. Do not allow water to get into container because of violent reaction.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid. Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 65.39 g/mole

Color: Bluish-grey

pH (1% soln/water): Not applicable.

Boiling Point: 907°C (1664.6°F)

Melting Point: 419°C (786.2°F)

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials, moisture

Incompatibility with various substances:
Reactive with oxidizing agents, acids, alkalis.
Slightly reactive to reactive with moisture.
The product may react violently with water to emit flammable but non toxic gases.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with acids, halogenated hydrocarbons, NH_4NO_3, barium oxide, $Ba(NO_3)_2$, Cadmium, CS_2, chlorates, Cl_2, CrO_3, F_2, Hydroxylamine, $Pb(N_3)_2$, $MnCl_2$, HNO_3, performic acid, $KClO_3$, KNO_3, N_2O_2, Selenium, $NaClO_3$, Na_2O_2, Sulfur, Te, water, $(NH_4)_2S$, As_2O_3, CS_2, $CaCl_2$, chlorinated rubber, catalytic metals, halocarbons, o-nitroanisole, nitrobenzene, nonmetals, oxidants, paint primer base, pentacarbonoyliron, transition metal halides, seleninyl bromide, HCl, H_2SO_4, (Mg +$Ba(NO_3)_2$ +BaO_2), (ethyl acetoacetate +tribromoneopentyl alcohol.
Contact with Alkali Hydroxides(Sodium Hydroxide, Potassium Hydroxide, Calcium Hydroxide, etc) results in evolution of hydrogen.
Ammonium nitrate + zinc + water causes a violent reaction with evolution of steam and zinc oxide.
May react with water.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:

LD50: Not available.
LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects:
Skin: May cause skin irritation. Dermal exposure to zinc may produce leg pains, fatigue, anorexia and weight loss.
Eyes: May cause eye irritation.
Ingestion: May be harmul if swallowed. May cause digestive tract irritation with tightness in throat, nausea, vomiting, diarrhea, loss of appetite, malaise, abdominal pain. fever, and chills. May affect behavior/central nervous system and autonomic nervous system with ataxia, lethargy, staggering gait, mild derrangement in cerebellar function, lightheadness, dizzness, irritability, muscular stiffness, and pain. May also affect blood.
Inhalation: Inhalation of zinc dust or fumes may cause respiratory tract and mucous membrane irritation with cough and chest pain. It can also cause "metal fume fever", a flu-like condition characterized appearance of chills, headached fever, maliase, fatigue, sweating, extreme thirst, aches in the legs and chest, and difficulty in breathing. A sweet taste may also be be present in metal fume fever, as well as a dry throat, aches, nausea, and vomiting, and pale grey cyanosis.
The toxicological properties of this substance have not been fully investisgated.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:

New York release reporting list: Zinc Metal
Rhode Island RTK hazardous substances: Zinc Metal
Pennsylvania RTK: Zinc Metal
Florida: Zinc Metal
Michigan critical material: Zinc Metal
Massachusetts RTK: Zinc Metal
New Jersey: Zinc Metal
California Director's List of Hazardous Substances: Zinc Metal
TSCA 8(b) inventory: Zinc Metal
TSCA 12(b) one time export: Zinc Metal
SARA 313 toxic chemical notification and release reporting: Zinc Metal
CERCLA: Hazardous substances.: Zinc Metal: 1000 lbs. (453.6 kg)

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not Available

DSCL (EEC):
R15- Contact with water liberates
extremely flammable gases.
R17- Spontaneously flammable in air.
S7/8- Keep container tightly closed and dry.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 1

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 1

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an
approved/certified respirator or
equivalent.
Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Department of Health and Human Services
Agency for Toxic Substances & Disease Registry

ToxFAQs™: Chemical Agent Briefing Sheets (CABS)

Lead

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January 2006

PDF Version

- What is lead?
- What are the forms of lead?
- What are the common uses of lead?
- What are the routes of exposure for lead?
- Who are the populations most at risk and how are they usually exposed?
- What are the possible toxic effects of lead?
- How can I reduce the risk of exposure to lead?
- What are the safety guidelines for lead exposure?
- What are the most important or common mediating factors?
- Is there a test to see if my child or I have been exposed to lead?
- Future Research Needs
- For more information

What is lead?

Lead is a heavy, bluish-gray metal that has a low melting point. It occurs naturally in the Earth's crust, but it is not a particularly abundant element. It is rarely found naturally as a metal, but rather in its divalent (2+) oxidative state in ore deposits widely distributed throughout the world. The most important lead containing ores are galena (PbS), anglesite ($PbSO_4$), and cerussite ($PbCO_3$). Natural lead is a mixture of four stable isotopes: ^{208}Pb (51%–53%), ^{206}Pb (23.5%–27%), ^{207}Pb (20.5%–23%), and ^{204}Pb (1.35%–1.5%).

What are the forms of lead?

- Metallic lead
- Inorganic lead and lead compounds (or lead salts)
- Organic lead (containing carbon)

What are the common uses of lead?

The largest use for lead is in storage batteries in cars and other vehicles. Lead may be used as a pure metal, alloyed with other metals, or as chemical compounds.

Lead used by industry comes from mined ores ("primary") or from recycled scrap metal or batteries ("secondary"). However, most lead today is obtained from recovery of recycled scrap, mostly lead-acid batteries.

Human activities, such as lead mining and smelting operations and manufacturing and use of lead products (*e.g.*, leaded gasoline, lead-based paint), have resulted in the contamination of many industrial and residential areas with lead.

Form	Uses
Metallic lead	Certain uses of lead, such as leaded gasoline, lead-based paints for domestic use, lead-based solder in food cans and water pipes, lead sinkers, and ammunition, have been reduced or banned to minimize lead's harmful effects on people and animals.
Lead and lead compounds (or lead salts), such as • **lead acetate** • **lead chloride** • **lead nitrate** • **lead oxide** • **lead phosphate** • **lead acetate**	• **Cosmetics and hair dye** - Some hair dyes and some non-Western cosmetics, such as kohl and surma, contain lead. • **Fishing equipment** - Most fishing weights and sinkers are made from lead. • **Folk remedies** - Many non-Western folk remedies used to treat diarrhea or other ailments may contain substantial amounts of lead. Examples of these include alarcon, ghasard, alkohl, greta, azarcon,

• **lead sulfate** • **lead sulfide**	liga, bali goli, pay-loo-ah, coral, and rueda. • **Glazing** - Applied to some ceramicware can contain lead. • **Lead based paint** - Although the sale of residential lead-based paint was banned in the United States in 1978, it remains a major source of lead exposure for young children residing in older houses. • **Lead batteries** - Production of lead-acid batteries is the major use of lead. • **Lead-based solder** - Has been banned for use in water distribution systems, but many buildings and homes contain lead pipes or lead-based solder. Lead-based solder also is used for electrical circuitry applications. • **Lead-shot** and **ammunition** - It is the second highest production use of lead. • Other uses of lead include the production of lead alloys, soldering materials, shielding for x-ray machines, and manufacturing of corrosion- and acid-resistant materials used in the building industry.
Organic • **tetraethyl lead** • **tetramethyl lead**	The use of lead in gasoline was phased out in the 1980s, and has been banned since January 1, 1996. The use of lead in gasoline has contributed to its dispersion throughout the environment. During the combustion of gasoline containing these alkyllead compounds, significant amounts of inorganic lead can be released to the surrounding areas. **Current Uses** • Gasoline for off-road vehicles, farm equipment, and airplanes **Past Uses** • Gasoline additives (to increase octane rating)

What are the routes of exposure for lead?

People are most likely to be exposed to lead by consuming contaminated food and drinking water. Exposure can also occur by inadvertently ingesting contaminated soil, dust, or lead-based paint.

Form	Routes of Exposure
Metallic lead **Lead and lead compounds (or lead salts), such as** • **lead acetate** • **lead chloride** • **lead nitrate** • **lead oxide** • **lead phosphate** • **lead subacetate** • **lead sulfate** • **lead sulfide**	• Ingestion is the primary source of exposure to the general population. • Lead paint is a major source of environmental exposure for children who ingest flaking paint, paint chips, and weathered powdered paint (mostly from deteriorated housing units in urban areas). Lead paint can also contribute to soil/dust lead which can be inadvertently ingested via hand-to-mouth activity of young children. • Lead can leach into drinking water from lead-based solder used in water pipes. • Lead can leach into foods or liquids stored in ceramic containers made with lead glazing. • Engaging in hobbies such as casting ammunition, making fishing weights, and stained glass can result in exposure to lead. • Exposure by inhalation can result during activities such as soldering with lead solder or sanding or sandblasting lead-based paint.
Organic • **tetraethyl lead** • **tetramethyl lead**	• Inhalation • Dermal studies in animals have shown that organic lead is well absorbed through the skin

Who are the populations most at risk and how are they usually exposed?

People living near hazardous waste sites, lead smelters or refineries, battery recycling or crushi ng centers, or other industrial lead sources may be exposed to lead and chemicals that contain lead. Workers in occupations that have sources of lead exposure (*e.g.*, plumbers, miners, mechanics, and lead smelter or refinery workers).

Certain hobbies, folk remedies, home activities, and car repairs (*e.g.*, radiator repair) can contribute to lead exposure. Smoking cigarettes or breathing second-hand smoke increases exposure because tobacco smoke contains small amounts of lead.

Pregnant women, the developing fetuses, and young children are particularly vulnerable to the effe cts of lead. Young children are more likely to play in dirt and to place their hands and other objects in their

mouths, thereby increasing the opportunity for exposure via ingestion of lead-contaminated soil an d dust.

What are the possible toxic effects of lead?

The most sensitive targets for lead toxicity are the developing nervous system, the hematological and cardiovascular systems, and the kidney. However, because of lead's many modes of action in biologi cal systems, lead could potentially affect any system or organs in the body. The effects are the same whether it is breathed or swallowed.

Blood Lead Concentrations Corresponding to Adverse Health Effects

Life Stage	Effect	Blood lead (µg/dL)
Children	Depressed ALAD* activity	<5
	Neurodevelopmental effects	<10
	Sexual maturation	<10
	Depressed vitamin D	>15
	Elevated EP**	>15
	Depressed NCV***	>30
	Depressed hemoglobin	>40
	Colic	>60
Adults	Depressed GFR****	<10
	Elevated blood pressure	<10
	Elevated EP (females)	>20
	Enzymuria/proteinuria	>30
	Peripheral neuropathy	>40
	Neurobehavioral effects	>40
	Altered thyroid hormone	>40
	Reduced fertility	>40
	Depressed hemoglobin	>50
Elderly adults	Depressed ALAD*	<5
	Neurobehavioral effects	>4

*aminolevulinic acid dehydratase (ALAD)

**erythrocyte porphyrin (EP)

***nerve conduction velocity (NCV)

****glomerular filtration rate (GFR)

Source: ATSDR Toxicological Profile for Lead (Draft for Public Comment), 2005.

How can I reduce the risk of exposure to lead?

- Do not allow children to chew or mouth surfaces that may have been painted with lead-based paint (homes built before 1978).
- If you have a water lead problem, the U.S. Environmental Protection Agency (EPA) recommends that you flush your cold water pipes if they have not been used in over 6 hours by running water until it is cold (5 seconds to 2 minutes) before drinking or cooking with it.
- Avoid some types of paints and pigments that contain lead and are used as make-up or hair coloring; keep these kinds of products away from children.
- Hire a professional contractor, who is required to follow certain health safety requirements for remediation or renovation involving lead-based paint, (www.epa.gov/lead/pubs/leadinfo.htm#remodeling).
- Wash children's hands and faces often to remove lead dusts and soil, and regularly clean the house of dust and tracked in soil.

What are the safety guidelines for lead exposure?

Air

- National Institute for Occupational Safety and Health (NIOSH)

  Recommended exposure limit (REL) time-weighted average (TWA) - 0.05 mg/m^3
  Immediately dangerous to life or health (IDLH) - 100 mg/m^3

- Occupational Safety and Health Administration (OSHA)

  Air - workplace 50 $\mu g/m^3$
  Action level - 40 µg/100 g of whole blood

- The American Conference of Governmental Industrial Hygienists (ACGIH)

Threshold limit values (TLV)/(TWA) - 0.05 mg/m^3
TLV/TWA guideline for lead arsenate - 150 µg/m^3
TLV/TWA guideline for other forms of lead - 50 µg lead/m^3

- U.S. Environmental Protection Agency (EPA)

  National Primary and Secondary Ambient Air Quality Standards - 1.5 µg/m^3

- World Health Organization (WHO)

  Air quality guidelines -- 0.5 µg/m^3

Water

- EPA

  Maximum contaminant level (MCL) - action level 0.015 mg/L
  Action level for public supplies - 15 µg/L

- WHO

  Drinking Water Quality Guidelines - 0.01 mg/L

Blood

- Centers for Disease Control and Prevention (CDC)

  Level of concern for children - 10 µg/dL

- OSHA

  Cause for written notification and medical exam - 40 µg/dL
  Cause for medical removal from exposure - 50 µg/dL

- ACGIH

  Advisory; biological exposure index - 30 µg/dL

Food

- Food and Drug Administration (FDA)

  Bottled drinking water - 0.005 mg/L

Other

- ACGIH

  Biological exposure indices (lead in blood) - 30 µg/100 mL

- Consumer Product Safety Commission

  Paint - 600 ppm

- FDA

  Ceramicware (µg/mL leaching solution) - 0.5-3.0 µg/mL

µg/m^3: micrograms per cubic meter
µg/dL: micrograms per deciliter
µg/L: micrograms per liter
g: gram
mg/L: milligrams per liter
mL: milliliter
ppm: parts per million

What are the most important or common mediating factors?

Factors that determine the severity of the health effects from lead exposure include

- Dose
- Age of the person exposed
  - the developing nervous system is the most sensitive system to the effects of lead
  - the efficiency of lead absorption from the gastrointestinal tract is greater in children than in adults
- Life stages of women (childbirth, lactating, menopause)
- Occupational exposures
- Duration of exposure
- Health and lifestyle of the person exposed
- Nutritional status of the person exposed
  - a diet adequate in calcium and iron may decrease lead absorption

The toxic effects of lead exposure may be worse in individuals with inherited genetic diseases or gene polymorphisms such as thalassemia, individuals with glucose-6-phosphate dehydrogenase (G6PD) deficiency, and carriers of certain gene polymorphic forms (*e.g.*, ALAD and vitamin D receptor). Research continues about this topic.

Is there a test to see if my child or I have been exposed to lead?

Blood	• The screening test of choice is blood lead levels. • Blood tests are commonly used to screen children for lead poisoning. • Analysis of lead in whole blood is the most common and accurate method of assessing lead exposure. • Exposure to lead also can be evaluated by measuring erythrocyte protoporphyrin (EP) in blood samples. EP is a part of red blood cells known to increase when the amount of lead in the blood is high. However, the EP level is not sensitive enough to identify children with elevated blood lead levels below about 25 micrograms per deciliter (µg/dL).
Bone and Teeth	• X-ray fluorescence techniques have been used to determine lead concentration in bones and teeth. It is not widely available and is used mostly in research. • Lead partitions to bone over a lifetime of exposure; therefore, bone lead measurements may be a better indicator of cumulative exposure than blood lead.
Urine	• Measurements of urinary lead levels have been used to assess lead exposure. • The measurement of lead excreted in urine following chelation with calcium disodium EDTA (EDTA provocation) has been used to detect elevated body burden of lead in adults and children.
Hair and Nails	• These are not reliable for testing due to errors external contamination. They are relatively poor predictors of blood lead, particularly at low concentrations.

Future Research Needs

To close current gaps in the scientific database on the health effects of lead, a long–term resear ch program is needed that might include the following:

- Further short-term studies or studies in vitro designed to clarify mechanisms of action for the various toxicities might be useful.
- Studies identifying exposures during different developmental periods can help identify critical periods of vulnerability for immunocompetence, development of sex organs, or neurobehavioral parameters.
- Chronic-duration exposure studies in animals would expand information on the toxicity of lead. Special studies that examine biochemical and morphological effects of lead may provide new information on mechanisms of action of lead, particularly for the effects of greatest concern such as neurobehavioral changes in children.
- Development of new and more sensitive tests of specific neuropsychological functions.
- Further investigation of links between lead and amyotrophic lateral sclerosis, essential tremor, schizophrenia, and Parkinson's disease.
- Epidemiological studies designed in a manner that permits more rigorous assessments of effect modification.
- Studies about the long-term consequences of lead-related neurobehavioral deficits detected in infants and children and the manifestation of chronic neurobehavioral problems in adolescence and adulthood.
- Further characterization of bone lead concentration as a biomarker of exposure for various effect end points (*e.g.*, blood pressure and renal effects).
- Studies of the potential prevalence of elevated bone lead stores in women of reproductive age and the associated risk that this poses to fetal development by mobilization of maternal bone stores during pregnancy.
- Further clarification of the role of some genetic polymorphisms.
- Evaluation of cohorts from prospective studies into adulthood for potential late-appearing effects including cancer.

For more information

- Agency for Toxic Substances and Disease Registry (ATSDR) Toxicological Profile for Lead

  http://www.atsdr.cdc.gov/toxprofiles/tp13.html

- ATSDR ToxFAQs™ for Lead

  http://www.atsdr.cdc.gov/tfacts13.html

- ATSDR Case Studies in Environmental Medicine Lead Toxicity

  http://www.atsdr.cdc.gov/csem/lead/

- ATSDR Interaction Profile for Chemical Mixtures for Arsenic, Cadmium, Chromium, and Lead

  http://www.atsdr.cdc.gov/interactionprofiles/ip04.html

- ATSDR Interaction Profile for Chemical Mixtures for Lead, Manganese, Zinc, and Copper

  http://www.atsdr.cdc.gov/interactionprofiles/ip06.html

- ATSDR Interaction Profile for Chemical Mixtures for Chlorpyrifos, Lead, Mercury, and Methylmercury

  http://www.atsdr.cdc.gov/interactionprofiles/ip11.html

- Centers for Disease Control and Prevention Lead Web Page

  http://www.cdc.gov/lead/

- U.S. Environmental Protection Agency Lead Web Page

  http://www.epa.gov/lead/

- U.S. Department of Labor, Occupational Safety & Health Administration

  http://www.osha.gov/SLTC/lead/

For more information, contact:

Agency for Toxic Substances and Disease Registry
Division of Toxicology and Environmental Medicine
1600 Clifton Road NE, Mailstop F-32
Atlanta, GA 30333
Phone: 1-800-CDC-INFO (800-232-4636)
TTY 888-232-6348

FAX: (770)-488-4178
Email: CDCINFO@cdc.gov

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Mercury

Mercury is a naturally occurring metal found in air, water, and soil. It exists in several forms, including elemental (or metallic) mercury, inorganic mercury compounds, and organic mercury compounds:

- **Elemental mercury** is liquid at room temperature and is used in thermometers, fluorescent light bulbs, some electrical switches, and some industrial processes.
- **Inorganic mercury** compounds are formed when mercury combines with other elements to form salts, which are usually powders or crystals. Inorganic mercury compounds are found naturally in the environment. Some forms of inorganic mercury have been used in antiseptic creams, ointments, and preservatives.
- **Organic mercury** compounds are formed when mercury combines with carbon. Microscopic organisms can produce organic mercury compounds (methylmercury) in contaminated water and soil, which can accumulate in the food chain. Other special types of organomercurials have been used as medical preservatives and medicines.

How People Are Exposed to Mercury

- Eating fish or shellfish that is contaminated with methylmercury, which is the main source of general human exposures to mercury;
- Breathing air contaminated with elemental mercury vapors (e.g., in workplaces such as dental offices and industries that use mercury or in locations where a mercury spill or release has occurred);
- Having dental fillings that contain mercury; and
- Practicing cultural or religious rituals that use mercury.

How Mercury Affects People's Health

- Short-term exposure to extremely high levels of elemental mercury vapors can result in lung damage, nausea, diarrhea, increases in blood pressure or heart rate, skin rashes, eye irritation, and injury to the nervous system.
- Prolonged exposure to lower levels of elemental mercury can permanently damage the brain and kidneys.
- The developing brain of a fetus can be injured if the mother is exposed to methylmercury.

Levels of Mercury in U.S. Population

Scientists tested levels of mercury in the blood of 16,780 participants who took part in CDC's national study known as the National Health and Nutrition Examination Survey (NHANES). These findings are based on total blood mercury levels in the U.S. general

population for persons aged 1 year and older who participated in NHANES during 2003-2006, as well as trends in the total mercury of children aged 1–5 and females aged 16–49 during 1999–2006.

- In the total population during 2003–2006, the total blood mercury levels for non–Hispanic blacks and non–Hispanic whites were higher than those for Mexican Americans.
- Across the age groups in the total population during 2003-2006, total blood mercury levels increased with age, peaked at the fifth or sixth decade, depending on race/ethnicity, and then declined.
- In the most recent survey period of 2005–2006, the 95th percentile levels for total blood mercury in children aged 1-5 years and females aged 16-49 years were 1.43 µg/L and 4.48 µg/L, respectively. The 95th percentile means that 95 percent of the U.S. population's exposure is below this estimated level. Conversely, only 5 percent of the population will have values at this level or higher.
- Over the four survey periods from 1999-2006, blood mercury levels increased slightly for non–Hispanic white children and decreased slightly for non–Hispanic black and Mexican American children. Female children had slightly higher blood mercury levels than male children.

For More Information

- Agency for Toxic Substances and Disease Registry
  Detailed information about mercury and public health is available at http://www.atsdr.cdc.gov/alerts/970626.html and http://www.atsdr.cdc.gov/cabs/mercury/index.html
- CDC Emergency Preparedness and Response
  Case definitions of mercury, toxicology FAQs, and toxicological profile at http://emergency.cdc.gov/agent/mercury/

May 2009

The Centers for Disease Control and Prevention (CDC) protects people's health and safety by preventing and controlling diseases and injuries; enhances health decisions by providing credible information on critical health issues; and promotes healthy living through strong partnerships with local, national, and international organizations.

Department of Health and Human Services
Agency for Toxic Substances & Disease Registry

ATSDR Home › ToxFAQs™ Arsenic

ToxFAQs™

ToxFAQs™
for
Arsenic
(*Arsénico*)
August 2007

PDF Version, 92 KB

CAS#: 7440-38-2

This fact sheet answers the most frequently asked health questions (FAQs) about arsenic. For more information, call the ATSDR Information Center at 1-800-232-4636. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

- Highlights
- What is arsenic?
- What happens to arsenic when it enters the environment?
- How might I be exposed to arsenic?
- How can arsenic affect my health?
- How likely is arsenic to cause cancer?
- How does arsenic affect children?
- How can families reduce their risk for exposure to arsenic?
- Is there a medical test to show whether I've been exposed to arsenic?
- Has the federal government made recommendations to protect human health?
- References
- Contact Information

Highlights

Exposure to higher than average levels of arsenic occur mostly in the workplace, near hazardous waste sites, or in areas with high natural levels. At high levels, inorganic arsenic can cause death. Exposure to lower levels for a long time can cause a discoloration of the skin and the appearance of small corns or warts. Arsenic has been found in at least 1,149 of the 1,684 National Priority List sites identified by the Environmental Protection Agency (EPA).

What is arsenic?

Arsenic is a naturally occurring element widely distributed in the earth's crust. In the environment, arsenic is combined with oxygen, chlorine, and sulfur to form inorganic arsenic compounds. Arsenic in animals and plants combines with carbon and hydrogen to form organic arsenic compounds.

Inorganic arsenic compounds are mainly used to preserve wood. Copper chromated arsenate (CCA) is used to make "pressure-treated" lumber. CCA is no longer used in the U.S. for residential uses; it is still used in industrial applications. Organic arsenic compounds are used as pesticides, primarily on cotton fields and orchards.

What happens to arsenic when it enters the environment?

- Arsenic occurs naturally in soil and minerals and may enter the air, water, and land from wind-blown dust and may get into water from runoff and leaching.
- Arsenic cannot be destroyed in the environment. It can only change its form.
- Rain and snow remove arsenic dust particles from the air.
- Many common arsenic compounds can dissolve in water. Most of the arsenic in water will ultimately end up in soil or sediment.
- Fish and shellfish can accumulate arsenic; most of this arsenic is in an organic form called arsenobetaine that is much less harmful.

How might I be exposed to arsenic?

- Ingesting small amounts present in your food and water or breathing air containing arsenic.
- Breathing sawdust or burning smoke from wood treated with arsenic.
- Living in areas with unusually high natural levels of arsenic in rock.
- Working in a job that involves arsenic production or use, such as copper or lead smelting, wood treating, or pesticide application.

How can arsenic affect my health?

Breathing high levels of inorganic arsenic can give you a sore throat or irritated lungs.

Ingesting very high levels of arsenic can result in death. Exposure to lower levels can cause naus ea and vomiting, decreased production of red and white blood cells, abnormal heart rhythm, damage to blood vessels, and a sensation of “pins an d needles” in hands and feet.

Ingesting or breathing low levels of inorganic arsenic for a long time can cause a darkening of th e skin and the appearance of small “corns” or “warts” on the palms, soles, and torso.

Skin contact with inorganic arsenic may cause redness and swelling.

Almost nothing is known regarding health effects of organic arsenic compounds in humans. Studies i n animals show that some simple organic arsenic compounds are less toxic than inorganic forms. Ingestion of methyl and dimethyl compounds can cause diarrhea and damage to the kidneys.

How likely is arsenic to cause cancer?

Several studies have shown that ingestion of inorganic arsenic can increase the risk of skin cance r and cancer in the liver, bladder, and lungs. Inhalation of inorganic arsenic can cause increased risk of lung cancer. The Department of Health and Human Services (DHHS) and the EPA have determined that inorganic arsenic is a known human carcinogen. The International Agency for R esearch on Cancer (IARC) has determined that inorganic arsenic is carcinogenic to humans.

How does arsenic affect children?

There is some evidence that long-term exposure to arsenic in children may result in lower IQ score s. There is also some evidence that exposure to arsenic in the womb and early childhood may increase mortality in young adults.

There is some evidence that inhaled or ingested arsenic can injure pregnant women or their unborn babies, although the studies are not definitive. Studies in animals show that large doses of arsenic that cause illness in pregnant fem ales, can also cause low birth weight, fetal malformations, and even fetal death. Arsenic can cross the placenta and has been found in fetal ti ssues. Arsenic is found at low levels in breast milk.

How can families reduce their risk for exposure to arsenic?

- If you use arsenic-treated wood in home projects, you should wear dust masks, gloves, and protecti ve clothing to decrease exposure to sawdust.
- If you live in an area with high levels of arsenic in water or soil, you should use cleaner source s of water and limit contact with soil.
- If you work in a job that may expose you to arsenic, be aware that you may carry arsenic home on y our clothing, skin, hair, or tools. Be sure to shower and change clothes before going home.

Is there a medical test to show whether I've been exposed to arsenic?

There are tests available to measure arsenic in your blood, urine, hair, and fingernails. The urin e test is the most reliable test for arsenic exposure within the last few days. Tests on hair and fingernails can measure exposure to high levels of ars enic over the past 6-12 months. These tests can determine if you have been exposed to above-average levels of arsenic. They cannot predict whether the arsenic levels in your body will affect your health.

Has the federal government made recommendations to protect human health?

The EPA has set limits on the amount of arsenic that industrial sources can release to the environ ment and has restricted or cancelled many of the uses of arsenic in pesticides. EPA has set a limit of 0.01 parts per million (ppm) for arsenic in drinking water.

The Occupational Safety and Health Administration (OSHA) has set a permissible exposure limit (PEL) of 10 micrograms of arsenic per cubic meter of workplace air (10 $\mu g/m^3$) for 8 hour shifts and 40 hour work weeks.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2007. Toxicological Profile for Arsenic *(Update)*. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information?

For more information, contact:

Agency for Toxic Substances and Disease Registry
Division of Toxicology and Environmental Medicine
1600 Clifton Road NE, Mailstop F-62
Atlanta, GA 30333
Phone: 1-800-CDC-INFO • 888-232-6348 (TTY)
FAX: 770-488-4178
Email: cdcinfo@cdc.gov

ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state heal th or environmental quality department if you have any more questions or concerns.

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U.S. Environmental Protection Agency

Pesticides: Topical & Chemical Fact Sheets

Assessing Health Risks from Pesticides

January 1999
735-F-99-002

The Federal Government, in cooperation with the States, carefully regulates pesticides to ensure that they do not pose unreasonable risks to human health or the environment. As part of that effort, the Environmental Protection Agency (EPA) requires extensive test data from pesticide producers that demonstrate pesticide products can be used without posing harm to human health and the environment. EPA scientists and analysts carefully review these data to determine whether to register (license) a pesticide product or a use and whether specific restrictions are necessary. This fact sheet is a brief overview of EPA's process for assessing potential risks to human health when evaluating pesticide products.

Background

There are more than 865 active ingredients registered as pesticides, which are formulated into thousands of pesticide products that are available in the marketplace. About 350 pesticides are used on the foods we eat, and to protect our homes and pets.

EPA plays a critical role in evaluating these chemicals prior to registration, and in reevaluating older pesticides already on the market, to ensure that they can be used with a reasonable certainty of no harm. The process EPA uses for evaluating the health impacts of a pesticide is called risk assessment.

EPA uses the National Research Council's four-step process for human health risk assessment:

Step One: Hazard Identification
Step Two: Dose-Response Assessment
Step Three: Exposure Assessment
Step Four: Risk Characterization

Step One: Hazard Identification (Toxicology)

The first step in the risk assessment process is to identify potential health effects that may occur from different types of pesticide exposure. EPA considers the full spectrum of a pesticide's potential health effects.

Generally, for human health risk assessments, many toxicity studies are conducted on animals by pesticide companies in independent laboratories and evaluated for acceptability by EPA scientists. EPA evaluates pesticides for a wide range of adverse effects, from eye and skin irritation to cancer and birth defects in laboratory animals. EPA may also consult the public literature or other sources of supporting information on any aspect of the chemical.

Step Two: Dose-Response Assessment

Paracelsus, the Swiss physician and alchemist, the "father" of modern toxicology (1493-1541) said,

> "The dose makes the poison."

In other words, **the amount of a substance a person is exposed to** is as important as **how toxic the chemical might be**. For example, small doses of aspirin can be beneficial to people, but at very high doses, this common medicine can be deadly. In some individuals, even at very low doses, aspirin may be deadly.

Dose-response assessment involves considering the dose levels at which adverse effects were observed in test animals, and using these dose levels to calculate an equal dose in humans.

Step Three: Exposure Assessment

People can be exposed to pesticides in three ways:

1. Inhaling pesticides (inhalation exposure),
2. Absorbing pesticides through the skin (dermal exposure), and
3. Getting pesticides in their mouth or digestive tract (oral exposure).

Depending on the situation, pesticides could enter the body by any one or all of these routes. Typical sources of pesticide exposure include:

- **Food**
  Most of the foods we eat have been grown with the use of pesticides. Therefore, pesticide residues may be present inside or on the surfaces of these foods.

- **Home and Personal Use Pesticides**
  You might use pesticides in and around your home to control insects, weeds, mold, mildew, bacteria, lawn and garden pests and to protect your pets from pests such as fleas. Pesticides may also be used as insect repellants which are directly applied to the skin or clothing.

- **Pesticides in Drinking Water**
  Some pesticides that are applied to farmland or other land structures can make their way in small amounts to the ground water or surface water systems that feed drinking water supplies.

- **Worker Exposure to Pesticides**
  Pesticide applicators, vegetable and fruit pickers and others who work around pesticides can be exposed due to the nature of their jobs. To address the unique risks workers face from occupational exposure, EPA evaluates occupational exposure through a separate program. All pesticides registered by EPA have been shown to be safe when used properly.

Step Four: Risk Characterization

Risk characterization is the final step in assessing human health risks from pesticides. It is the process of combining the hazard, dose-response and exposure assessments to describe the overall risk from a pesticide. It explains the assumptions used in assessing exposure as well as the uncertainties that are built into the dose-response assessment. The strength of the overall database is considered, and broad

conclusions are made. EPA's role is to evaluate both toxicity and exposure and to determine the risk associated with use of the pesticide.

Simply put,

RISK = TOXICITY x EXPOSURE.

This means that the risk to human health from pesticide exposure depends on both the toxicity of the pesticide and the likelihood of people coming into contact with it. At least *some* exposure and *some* toxicity are required to result in a risk. For example, if the pesticide is very poisonous, but no people are exposed, there is no risk. Likewise, if there is ample exposure but the chemical is non-toxic, there is no risk. However, usually when pesticides are used, there is some toxicity and exposure, which results in a potential risk.

EPA recognizes that effects vary between animals of different species and from person to person. To account for this variability, *uncertainty factors* are built into the risk assessment. These uncertainty factors create an additional margin of safety for protecting people who may be exposed to the pesticides. FQPA requires EPA to use an extra 10-fold safety factor, if necessary, to protect infants and children from effects of the pesticide.

Types of Toxicity Tests EPA Requires for Human Health Risk Assessments

EPA evaluates studies conducted over different periods of time and that measure specific types of effects. These tests are evaluated to screen for potential health effects in infants, children and adults.

Acute Testing: Short-term exposure; a single exposure (dose).

- Oral, dermal (skin), and inhalation exposure
- Eye irritation
- Skin irritation
- Skin sensitization
- Neurotoxicity

Sub-chronic Testing: Intermediate exposure; repeated exposure over a longer period of time (i.e., 30-90 days).

- Oral, dermal (skin), and inhalation
- Neurotoxicity (nerve system damage)

Chronic Toxicity Testing: Long-term exposure; repeated exposure lasting for most of the test animal's life span. Intended to determine the effects of a pesticide after prolonged and repeated exposures.

- Chronic effects (non-cancer)
- Carcinogenicity (cancer)

Developmental and Reproductive Testing: Identify effects in the fetus of an exposed pregnant female (birth defects) and how pesticide exposure affects the ability of a test animal to successfully reproduce.

Mutagenicity Testing: Assess a pesticide's potential to affect the cell's genetic components.

Hormone Disruption: Measure effects for their potential to disrupt the endocrine system. The endocrine system consists of a set of glands and the hormones they produce that help guide the development, growth, reproduction, and behavior of animals including humans.

Risk Management

Once EPA completes the risk assessment process for a pesticide, we use this information to determine if (when used according to label directions), there is a reasonable certainty that the pesticide will not harm a person's health.

Using the conclusions of a risk assessment, EPA can then make a more informed decision regarding whether to approve a pesticide chemical or use, as proposed, or whether additional protective measures are necessary to limit occupational or non-occupational exposure to a pesticide. For example, EPA may prohibit a pesticide from being used on certain crops because consuming too much food treated with the pesticide may result in an unacceptable risk to consumers. Another example of protective measures is requiring workers to wear personal protective equipment (PPE) such as a respirator or chemical resistant gloves, or not allowing workers to enter treated crop fields until a specific period of time has passed.

If, after considering all appropriate risk reduction measures, the pesticide still does not meet EPA's safety standard, the Agency will not allow the proposed chemical or use. Regardless of the specific measures enforced, EPA's primary goal is to ensure that legal uses of the pesticide are protective of human health, especially the health of children, and the environment.

Human Health Risk Assessment and the Law

Federal law requires detailed evaluation of pesticides to protect human health and the environment. In 1996, Congress made significant changes to strengthen pesticide laws through the Food Quality Protection Act (FQPA). Many of these changes are key elements of the current risk assessment process. FQPA required that EPA consider:

- **A New Safety Standard**: FQPA strengthened the safety standard that pesticides must meet before being approved for use. EPA must ensure with a reasonable certainty that no harm will result from the legal uses of the pesticide.
- **Exposure from All Sources**: In evaluating a pesticide, EPA must estimate the combined risk from that pesticide from all non-occupational sources, such as:
  - Food Sources
  - Drinking Water Sources
  - Residential Sources
- **Cumulative Risk**: EPA is required to evaluate pesticides in light of similar toxic effects that different pesticides may share, or "a common mechanism of toxicity." At this time, EPA is developing a methodology for this type of assessment.
- **Special Sensitivity of Children to Pesticides**: EPA must ascertain whether there is an increased susceptibility from exposure to the pesticide to infants and children. EPA must build an additional 10-fold safety factor into risk assessments to ensure the protection of infants and children, unless it is determined that a lesser margin of safety will be safe for infants and children.

For More Information

If you would like more information about EPA's pesticide programs, contact the Communication Service Branch at (703) 305-5017 or visit the Pesticides Web site.

For more information on specific pesticides, or to inquire about the symptoms of pesticide poisoning, call the National Pesticide Information Center (NPIC), a toll-free hotline information at: 1-800-858-7378, or visit their Web site EXIT Disclaimer .

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

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February 2001

ToxFAQs™ for Polychlorinated Biphenyls (PCBs)

(Bifenilos Policlorados (BPCs))

This fact sheet answers the most frequently asked health questions about polychlorinated biphenyls (PCBs). For more information, you may call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. This information is important because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Polychlorinated biphenyls (PCBs) are a mixture of individual chemicals which are no longer produced in the United States, but are still found in the environment. Health effects that have been associated with exposure to PCBs include acne-like skin conditions in adults and neurobehavioral and immunological changes in children. PCBs are known to cause cancer in animals. PCBs have been found in at least 500 of the 1,598 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What are polychlorinated biphenyls (PCBs)?

Polychlorinated biphenyls are mixtures of up to 209 individual chlorinated compounds (known as congeners). There are no known natural sources of PCBs. PCBs are either oily liquids or solids that are colorless to light yellow. Some PCBs can exist as a vapor in air. PCBs have no known smell or taste. Many commercial PCB mixtures are known in the U.S. by the trade name Aroclor.

PCBs have been used as coolants and lubricants in transformers, capacitors, and other electrical equipment because they don't burn easily and are good insulators. The manufacture of PCBs was stopped in the U.S. in 1977 because of evidence they build up in the environment and can cause harmful health effects. Products made before 1977 that may contain PCBs include old fluorescent lighting fixtures and electrical devices containing PCB capacitors,

Contact Information

RELATED RESOURCES

ToxFAQ™ 35k

ToxFAQ™ en Español 32k

Public Health Statement 125k

Public Health Statement en Español 321k

Toxicological Profile 13.6MB

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Division of Toxicology

and old microscope and hydraulic oils.

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What happens to polychlorinated biphenyls (PCBs) when they enter the environment?

- PCBs entered the air, water, and soil during their manufacture, use, and disposal; from accidental spills and leaks during their transport; and from leaks or fires in products containing PCBs.
- PCBs can still be released to the environment from hazardous waste sites; illegal or improper disposal of industrial wastes and consumer products; leaks from old electrical transformers containing PCBs; and burning of some wastes in incinerators.
- PCBs do not readily break down in the environment and thus may remain there for very long periods of time. PCBs can travel long distances in the air and be deposited in areas far away from where they were released. In water, a small amount of PCBs may remain dissolved, but most stick to organic particles and bottom sediments. PCBs also bind strongly to soil.
- PCBs are taken up by small organisms and fish in water. They are also taken up by other animals that eat these aquatic animals as food. PCBs accumulate in fish and marine mammals, reaching levels that may be many thousands of times higher than in water.

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How might I be exposed to polychlorinated biphenyls (PCBs)?

- Using old fluorescent lighting fixtures and electrical devices and appliances, such as television sets and refrigerators, that were made 30 or more years ago. These items may leak small amounts of PCBs into the air when they get hot during operation, and could be a source of skin exposure.
- Eating contaminated food. The main dietary sources of PCBs are fish (especially sportfish caught in contaminated lakes or rivers), meat, and dairy products.
- Breathing air near hazardous waste sites and drinking contaminated well water.
- In the workplace during repair and maintenance of PCB transformers; accidents, fires or spills involving transformers, fluorescent lights, and other old electrical devices; and disposal of PCB materials.

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How can polychlorinated biphenyls (PCBs) affect my health?

The most commonly observed health effects in people exposed to large amounts of PCBs are skin conditions such as acne and rashes. Studies in exposed workers have shown changes in blood and urine that may indicate liver damage. PCB exposures in the general population are not likely to result in skin and liver effects. Most of the studies of health effects of PCBs in the general population examined children of mothers who were exposed to PCBs.

Animals that ate food containing large amounts of PCBs for short periods of time had mild liver damage and some died. Animals that ate smaller amounts of PCBs in food over several weeks or months developed various kinds of health effects, including anemia; acne-like skin conditions; and liver, stomach, and thyroid gland injuries. Other effects of PCBs in animals include changes in the immune system, behavioral alterations, and impaired reproduction. PCBs are not known to cause birth defects.

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How likely are polychlorinated biphenyls (PCBs) to cause cancer?

Few studies of workers indicate that PCBs were associated with certain kinds of cancer in humans, such as cancer of the liver and biliary tract. Rats that ate food containing high levels of PCBs for two years developed liver cancer. The Department of Health and Human Services (DHHS) has concluded that PCBs may reasonably be anticipated to be carcinogens. The EPA and the International Agency for Research on Cancer (IARC) have determined that PCBs are probably carcinogenic to humans.

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How do polychlorinated biphenyls (PCBs) affect children?

Women who were exposed to relatively high levels of PCBs in the workplace or ate large amounts of fish contaminated with PCBs had babies that weighed slightly less than babies from women who did not have these exposures. Babies born to women who ate PCB-contaminated fish also showed abnormal responses in tests of infant behavior. Some of these behaviors, such as problems with motor skills and a decrease in short-term memory, lasted for several years. Other studies suggest that the immune system was affected in children born to and nursed by mothers exposed to increased levels of PCBs. There are no reports of structural birth defects caused by exposure to PCBs or of health effects of PCBs in older children. The most likely way infants will be exposed to PCBs is from breast milk. Transplacental transfers of PCBs were also reported In most cases, the benefits of breast-feeding outweigh any risks from exposure to PCBs in mother's milk.

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How can families reduce the risk of exposure to polychlorinated biphenyls (PCBs)?

- You and your children may be exposed to PCBs by eating fish or wildlife caught from contaminated locations. Certain states, Native American tribes, and U.S. territories have issued advisories to warn people about PCB-contaminated fish and fish-eating wildlife. You can reduce your family's exposure to PCBs by obeying these advisories.
- Children should be told not play with old appliances, electrical equipment, or transformers, since they may contain PCBs.
- Children should be discouraged from playing in the dirt near hazardous waste sites and in areas where there was a transformer fire. Children should also be discouraged from eating dirt and putting dirty hands, toys or other objects in their mouths, and should wash hands frequently.
- If you are exposed to PCBs in the workplace it is possible to carry them home on your clothes, body, or tools. If this is the case, you should shower and change clothing before leaving work, and your work clothes should be kept separate from other clothes and laundered separately.

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Is there a medical test to show whether I've been exposed to polychlorinated biphenyls (PCBs)?

Tests exist to measure levels of PCBs in your blood, body fat, and breast milk, but these are not routinely conducted. Most people normally have low levels of PCBs in their body because nearly everyone has been environmentally exposed to PCBs. The tests can show if your PCB levels are elevated, which would indicate past exposure to above-normal levels of PCBs, but cannot determine when or how long you were exposed or whether you will develop health effects.

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Has the federal government made recommendations to protect human health?

The EPA has set a limit of 0.0005 milligrams of PCBs per liter of drinking water (0.0005 mg/L). Discharges, spills or accidental releases of 1 pound or more of PCBs into the environment must be reported to the EPA. The Food and Drug Administration (FDA) requires that infant foods, eggs, milk and other dairy products, fish and shellfish, poultry and red meat contain no more than 0.2-3 parts of PCBs per million parts (0.2-3 ppm) of food. Many states have established fish and wildlife consumption advisories for PCBs.

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References

Agency for Toxic Substances and Disease Registry (ATSDR). 2000. Toxicological Profile for polychlorinated biphenyls (PCBs). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

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Where can I get more information?

ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

For more information, contact:

Agency for Toxic Substances and Disease Registry
Division of Toxicology
1600 Clifton Road NE, Mailstop F-32
Atlanta, GA 30333
Phone: 1-888-42-ATSDR (1-888-422-8737)
FAX: (770)-488-4178
Email: ATSDRIC@cdc.gov

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ATSDR Department of Health and Human Services
Agency for Toxic Substances & Disease Registry

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2007 CERCLA Priority List of Hazardous Substances

2007 RANK	SUBSTANCE NAME	TOTAL POINTS	2005 RANK	CAS #
1	ARSENIC	1672.58	1	007440-38-2
2	LEAD	1534.07	2	007439-92-1
3	MERCURY	1504.69	3	007439-97-6
4	VINYL CHLORIDE	1387.75	4	000075-01-4
5	POLYCHLORINATED BIPHENYLS	1365.78	5	001336-36-3
6	BENZENE	1355.96	6	000071-43-2
7	CADMIUM	1324.22	8	007440-43-9
8	POLYCYCLIC AROMATIC HYDROCARBONS	1316.98	7	130498-29-2
9	BENZO(A)PYRENE	1312.45	9	000050-32-8
10	BENZO(B)FLUORANTHENE	1266.55	10	000205-99-2
11	CHLOROFORM	1223.03	11	000067-66-3
12	DDT, P,P'-	1193.36	12	000050-29-3
13	AROCLOR 1254	1182.63	13	011097-69-1
14	AROCLOR 1260	1177.77	14	011096-82-5
15	DIBENZO(A,H)ANTHRACENE	1165.88	15	000053-70-3
16	TRICHLOROETHYLENE	1154.73	16	000079-01-6
17	DIELDRIN	1150.91	17	000060-57-1
18	CHROMIUM, HEXAVALENT	1149.98	18	018540-29-9
19	PHOSPHORUS, WHITE	1144.77	19	007723-14-0
20	CHLORDANE	1133.21	21	000057-74-9
21	DDE, P,P'-	1132.49	20	000072-55-9
22	HEXACHLOROBUTADIENE	1129.63	22	000087-68-3
23	COAL TAR CREOSOTE	1124.32	23	008001-58-9
24	ALDRIN	1117.22	25	000309-00-2
25	DDD, P,P'-	1114.83	24	000072-54-8
26	BENZIDINE	1114.24	26	000092-87-5
27	AROCLOR 1248	1112.20	27	012672-29-6
28	CYANIDE	1099.48	28	000057-12-5
29	AROCLOR 1242	1093.14	29	053469-21-9
30	AROCLOR	1091.52	62	012767-79-2
31	TOXAPHENE	1086.65	30	008001-35-2
32	HEXACHLOROCYCLOHEXANE, GAMMA-	1081.63	32	000058-89-9
33	TETRACHLOROETHYLENE	1080.43	31	000127-18-4
34	HEPTACHLOR	1072.67	33	000076-44-8
35	1,2-DIBROMOETHANE	1064.06	34	000106-93-4
36	HEXACHLOROCYCLOHEXANE, BETA-	1060.22	37	000319-85-7
37	ACROLEIN	1059.07	36	000107-02-8
38	DISULFOTON	1058.85	35	000298-04-4
39	BENZO(A)ANTHRACENE	1057.96	38	000056-55-3
40	3,3'-DICHLOROBENZIDINE	1051.61	39	000091-94-1

41	ENDRIN	1048.57	41	000072-20-8
42	BERYLLIUM	1046.12	40	007440-41-7
43	HEXACHLOROCYCLOHEXANE, DELTA-	1038.27	42	000319-86-8
44	1,2-DIBROMO-3-CHLOROPROPANE	1035.55	43	000096-12-8
45	PENTACHLOROPHENOL	1028.01	45	000087-86-5
46	HEPTACHLOR EPOXIDE	1027.12	44	001024-57-3
47	CARBON TETRACHLORIDE	1023.32	46	000056-23-5
48	AROCLOR 1221	1018.41	47	011104-28-2
49	COBALT	1015.57	50	007440-48-4
50	DDT, O,P'-	1014.71	49	000789-02-6
51	AROCLOR 1016	1014.33	48	012674-11-2
52	DI-N-BUTYL PHTHALATE	1007.49	52	000084-74-2
53	NICKEL	1005.40	55	007440-02-0
54	ENDOSULFAN	1004.65	54	000115-29-7
55	ENDOSULFAN SULFATE	1003.56	53	001031-07-8
56	DIAZINON	1002.08	57	000333-41-5
57	ENDOSULFAN, ALPHA	1001.30	58	000959-98-8
58	XYLENES, TOTAL	996.07	59	001330-20-7
59	CIS-CHLORDANE	995.08	51	005103-71-9
60	DIBROMOCHLOROPROPANE	994.87	60	067708-83-2
61	METHOXYCHLOR	994.47	61	000072-43-5
62	BENZO(K)FLUORANTHENE	981.26	63	000207-08-9
63	ENDRIN KETONE	978.99	64	053494-70-5
64	TRANS-CHLORDANE	973.99	56	005103-74-2
65	CHROMIUM(VI) OXIDE	969.58	66	001333-82-0
66	METHANE	959.78	67	000074-82-8
67	ENDOSULFAN, BETA	959.19	65	033213-65-9
68	AROCLOR 1232	955.64	68	011141-16-5
69	ENDRIN ALDEHYDE	954.86	69	007421-93-4
70	BENZOFLUORANTHENE	951.48	70	056832-73-6
71	TOLUENE	947.50	71	000108-88-3
72	2-HEXANONE	942.02	72	000591-78-6
73	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	938.11	73	001746-01-6
74	ZINC	932.89	74	007440-66-6
75	DIMETHYLARSINIC ACID	922.06	75	000075-60-5
76	DI(2-ETHYLHEXYL)PHTHALATE	919.02	76	000117-81-7
77	CHROMIUM	908.52	77	007440-47-3
78	NAPHTHALENE	896.67	78	000091-20-3
79	1,1-DICHLOROETHENE	891.19	79	000075-35-4
80	METHYLENE CHLORIDE	888.96	81	000075-09-2
81	AROCLOR 1240	888.11	80	071328-89-7
82	2,4,6-TRINITROTOLUENE	883.59	82	000118-96-7
83	BROMODICHLOROETHANE	870.00	83	000683-53-4
84	HYDRAZINE	864.41	85	000302-01-2
85	1,2-DICHLOROETHANE	863.99	84	000107-06-2
86	2,4,6-TRICHLOROPHENOL	863.71	86	000088-06-2
87	2,4-DINITROPHENOL	860.45	87	000051-28-5
88	BIS(2-CHLOROETHYL) ETHER	859.88	88	000111-44-4
89	THIOCYANATE	849.21	89	000302-04-5
90	ASBESTOS	841.54	90	001332-21-4
91	CHLORINE	840.37	92	007782-50-5
92	CYCLOTRIMETHYLENETRINITRAMINE (RDX)	840.28	91	000121-82-4
93	HEXACHLOROBENZENE	838.34	93	000118-74-1

94	2,4-DINITROTOLUENE	837.88	96	000121-14-2
95	RADIUM-226	835.93	94	013982-63-3
96	ETHION	834.03	97	000563-12-2
97	1,1,1-TRICHLOROETHANE	833.81	95	000071-55-6
98	URANIUM	833.41	98	007440-61-1
99	ETHYLBENZENE	832.13	99	000100-41-4
100	RADIUM	828.07	100	007440-14-4
101	THORIUM	825.17	101	007440-29-1
102	4,6-DINITRO-O-CRESOL	822.78	102	000534-52-1
103	1,3,5-TRINITROBENZENE	820.17	103	000099-35-4
104	CHLOROBENZENE	819.69	105	000108-90-7
105	RADON	817.89	104	010043-92-2
106	RADIUM-228	816.76	106	015262-20-1
107	THORIUM-230	814.72	107	014269-63-7
107	URANIUM-235	814.72	107	015117-96-1
109	BARIUM	813.46	109	007440-39-3
110	FLUORANTHENE	812.40	113	000206-44-0
111	URANIUM-234	812.11	110	013966-29-5
112	N-NITROSODI-N-PROPYLAMINE	811.05	111	000621-64-7
113	THORIUM-228	810.36	112	014274-82-9
114	RADON-222	809.78	114	014859-67-7
115	HEXACHLOROCYCLOHEXANE, ALPHA-	809.56	116	000319-84-6
116	1,2,3-TRICHLOROBENZENE	808.41	143	000087-61-6
117	MANGANESE	807.90	115	007439-96-5
118	COAL TARS	807.07	117	008007-45-2
119	CHRYSOTILE ASBESTOS	806.68	119	012001-29-5
119	STRONTIUM-90	806.68	119	010098-97-2
121	PLUTONIUM-239	806.67	118	015117-48-3
122	POLONIUM-210	806.39	122	013981-52-7
123	METHYLMERCURY	806.39	121	022967-92-6
124	PLUTONIUM-238	806.01	123	013981-16-3
125	LEAD-210	805.90	124	014255-04-0
126	PLUTONIUM	805.23	125	007440-07-5
127	CHLORPYRIFOS	804.93	125	002921-88-2
128	COPPER	804.86	133	007440-50-8
129	AMERICIUM-241	804.55	128	086954-36-1
130	RADON-220	804.54	127	022481-48-7
131	AMOSITE ASBESTOS	804.07	129	012172-73-5
132	IODINE-131	803.48	130	010043-66-0
133	HYDROGEN CYANIDE	803.08	132	000074-90-8
134	TRIBUTYLTIN	802.61	131	000688-73-3
135	GUTHION	802.32	134	000086-50-0
136	NEPTUNIUM-237	802.13	135	013994-20-2
137	CHRYSENE	802.10	139	000218-01-9
138	CHLORDECONE	801.64	136	000143-50-0
138	IODINE-129	801.64	136	015046-84-1
138	PLUTONIUM-240	801.64	136	014119-33-6
141	S,S,S-TRIBUTYL PHOSPHOROTRITHIOATE	797.88	140	000078-48-8
142	BROMINE	789.15	142	007726-95-6
143	POLYBROMINATED BIPHENYLS	789.11	141	067774-32-7
144	DICOFOL	787.56	144	000115-32-2
145	PARATHION	784.14	145	000056-38-2
146	1,1,2,2-TETRACHLOROETHANE	782.15	146	000079-34-5

147	SELENIUM	778.98	147	007782-49-2	
148	HEXACHLOROCYCLOHEXANE, TECHNICAL GRADE	774.91	148	000608-73-1	
149	TRICHLOROFLUOROETHANE	770.74	149	027154-33-2	
150	TRIFLURALIN	770.12	150	001582-09-8	
151	DDD, O,P'-	768.73	151	000053-19-0	
152	4,4'-METHYLENEBIS(2-CHLOROANILINE)	766.66	152	000101-14-4	
153	HEXACHLORODIBENZO-P-DIOXIN	760.42	153	034465-46-8	
154	HEPTACHLORODIBENZO-P-DIOXIN	754.47	154	037871-00-4	
155	PENTACHLOROBENZENE	753.58	155	000608-93-5	
156	1,3-BUTADIENE	747.31	201	000106-99-0	
157	AMMONIA	745.55	156	007664-41-7	
158	2-METHYLNAPHTHALENE	743.24	157	000091-57-6	
159	1,4-DICHLOROBENZENE	737.32	159	000106-46-7	
160	1,1-DICHLOROETHANE	736.23	158	000075-34-3	
161	ACENAPHTHENE	731.25	160	000083-32-9	
162	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	726.14	161	039001-02-0	
163	1,1,2-TRICHLOROETHANE	724.96	162	000079-00-5	
164	TRICHLOROETHANE	723.32	163	025323-89-1	
165	HEXACHLOROCYCLOPENTADIENE	719.01	164	000077-47-4	
166	HEPTACHLORODIBENZOFURAN	718.58	165	038998-75-3	
167	1,2-DIPHENYLHYDRAZINE	713.90	166	000122-66-7	
168	2,3,4,7,8-PENTACHLORODIBENZOFURAN	710.71	167	057117-31-4	
169	TETRACHLOROBIPHENYL	709.21	168	026914-33-0	
170	CRESOL, PARA-	707.83	169	000106-44-5	
171	OXYCHLORDANE	706.32	170	027304-13-8	
172	1,2-DICHLOROBENZENE	704.91	171	000095-50-1	
173	1,2-DICHLOROETHENE, TRANS-	704.04	178	000156-60-5	
174	INDENO(1,2,3-CD)PYRENE	703.30	180	000193-39-5	
175	GAMMA-CHLORDENE	702.59	172	056641-38-4	
176	CARBON DISULFIDE	702.55	174	000075-15-0	
177	TETRACHLOROPHENOL	702.54	173	025167-83-3	
178	AMERICIUM	701.62	175	007440-35-9	
178	URANIUM-233	701.62	175	013968-55-3	
180	PALLADIUM	700.66	177	007440-05-3	
181	HEXACHLORODIBENZOFURAN	700.56	179	055684-94-1	
182	PHENOL	696.96	183	000108-95-2	
183	CHLOROETHANE	693.90	182	000075-00-3	
184	ACETONE	693.31	181	000067-64-1	
185	P-XYLENE	690.20	185	000106-42-3	
186	DIBENZOFURAN	689.19	187	000132-64-9	
187	ALUMINUM	688.13	186	007429-90-5	
188	2,4-DIMETHYLPHENOL	685.76	189	000105-67-9	
189	CARBON MONOXIDE	684.49	188	000630-08-0	
190	TETRACHLOROETHANE	677.97	190	025322-20-7	
191	HYDROGEN SULFIDE	676.51	193	007783-06-4	
192	PENTACHLORODIBENZOFURAN	673.21	192	030402-15-4	
193	CHLOROMETHANE	670.19	191	000074-87-3	
194	BIS(2-METHOXYETHYL) PHTHALATE	666.08	194	034006-76-3	
195	BUTYL BENZYL PHTHALATE	659.38	195	000085-68-7	
196	CRESOL, ORTHO-	658.66	196	000095-48-7	
197	HEXACHLOROETHANE	653.10	199	000067-72-1	
198	VANADIUM	651.70	198	007440-62-2	

199	N-NITROSODIMETHYLAMINE	650.71	200	000062-75-9
200	1,2,4-TRICHLOROBENZENE	647.30	203	000120-82-1
201	BROMOFORM	643.53	202	000075-25-2
202	TETRACHLORODIBENZO-P-DIOXIN	635.74	204	041903-57-5
203	1,3-DICHLOROBENZENE	631.41	205	000541-73-1
204	PENTACHLORODIBENZO-P-DIOXIN	625.12	207	036088-22-9
205	N-NITROSODIPHENYLAMINE	624.79	208	000086-30-6
206	1,2-DICHLOROETHYLENE	622.49	206	000540-59-0
207	2,3,7,8-TETRACHLORODIBENZOFURAN	622.15	210	051207-31-9
208	2-BUTANONE	620.01	209	000078-93-3
209	2,4-DICHLOROPHENOL	616.45	212	000120-83-2
210	1,4-DIOXANE	616.29	215	000123-91-1
211	FLUORINE	613.28	214	007782-41-4
212	NITRITE	612.64	216	014797-65-0
213	CESIUM-137	612.50	217	010045-97-3
214	SILVER	612.19	213	007440-22-4
215	CHROMIUM TRIOXIDE	610.85	218	007738-94-5
216	NITRATE	610.66	219	014797-55-8
217	POTASSIUM-40	608.91	220	013966-00-2
218	DINITROTOLUENE	607.65	221	025321-14-6
219	ANTIMONY	605.37	222	007440-36-0
220	COAL TAR PITCH	605.33	224	065996-93-2
221	THORIUM-227	605.32	223	015623-47-9
222	2,4,5-TRICHLOROPHENOL	604.83	225	000095-95-4
223	ARSENIC ACID	604.45	226	007778-39-4
224	ARSENIC TRIOXIDE	604.36	227	001327-53-3
225	PHORATE	603.10	228	000298-02-2
226	BENZOPYRENE	603.00	230	073467-76-2
227	CRESOLS	602.74	229	001319-77-3
228	CHLORDANE, TECHNICAL	602.62	231	012789-03-6
229	DIMETHOATE	602.61	232	000060-51-5
230	ACTINIUM-227	602.57	233	014952-40-0
230	STROBANE	602.57	233	008001-50-1
232	4-AMINOBIPHENYL	602.51	235	000092-67-1
232	PYRETHRUM	602.51	235	008003-34-7
234	ARSINE	602.42	237	007784-42-1
235	NALED	602.32	238	000300-76-5
236	DIBENZOFURANS, CHLORINATED	602.13	239	042934-53-2
236	ETHOPROP	602.13	239	013194-48-4
238	ALPHA-CHLORDENE	601.94	241	056534-02-2
238	CARBOPHENOTHION	601.94	241	000786-19-6
240	DICHLORVOS	601.64	243	000062-73-7
241	CALCIUM ARSENATE	601.45	244	007778-44-1
241	MERCURIC CHLORIDE	601.45	244	007487-94-7
241	SODIUM ARSENITE	601.45	244	007784-46-5
244	FORMALDEHYDE	599.64	247	000050-00-0
245	2-CHLOROPHENOL	599.62	248	000095-57-8
246	PHENANTHRENE	597.68	249	000085-01-8
247	HYDROGEN FLUORIDE	588.03	250	007664-39-3
248	2,4-D ACID	584.47	251	000094-75-7
249	DIBROMOCHLOROMETHANE	580.59	252	000124-48-1
250	DIURON	579.16	253	000330-54-1
251	BUTYLATE	578.43	254	002008-41-5

252	DIMETHYL FORMAMIDE	578.23	255	000068-12-2
253	PYRENE	577.95	256	000129-00-0
254	DICHLOROBENZENE	577.70	211	025321-22-6
255	ETHYL ETHER	572.47	257	000060-29-7
256	DICHLOROETHANE	570.46	258	001300-21-6
257	4-NITROPHENOL	567.79	259	000100-02-7
258	1,3-DICHLOROPROPENE, CIS-	561.82	184	010061-01-5
259	PHOSPHINE	559.74	260	007803-51-2
260	TRICHLOROBENZENE	557.96	261	012002-48-1
261	2,6-DINITROTOLUENE	555.20	262	000606-20-2
262	FLUORIDE ION	549.64	263	016984-48-8
263	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	547.90	264	035822-46-9
264	METHYL PARATHION	545.83	265	000298-00-0
265	PENTAERYTHRITOL TETRANITRATE	545.59	266	000078-11-5
266	1,3-DICHLOROPROPENE, TRANS-	543.37	267	010061-02-6
267	BIS(2-ETHYLHEXYL)ADIPATE	540.20	268	000103-23-1
268	CARBAZOLE	534.52	269	000086-74-8
269	METHYL ISOBUTYL KETONE	533.24	271	000108-10-1
270	1,2-DICHLOROETHENE, CIS-	533.15	270	000156-59-2
271	STYRENE	532.70	272	000100-42-5
272	CARBARYL	530.98	273	000063-25-2
273	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	529.45	274	067562-39-4
274	ACRYLONITRILE	528.28	275	000107-13-1
275	1-METHYLNAPHTHALENE	526.51	NEW	

Substances were assigned the same rank when two (or more) substances received equivalent total point scores.

CAS #= Chemical Abstracts Service Registry Number

This page was updated on 01/10/2008

Appendix 2

CAMP Results

Hydro Tech Environmental, Corp.

Air Monitoring Log

Location: 83 Bushwick pl BK NY

Date: 12/30/14

Name: Jorge m Pineda

Time	CONC mg/m3	TWA	PID Reading	Comments
7:00	0.061	0.035	0.0	Loading trucks
7:15	0.060	0.030	"	"
7:30	0.062	0.045	"	"
7:45	0.063	0.041	"	Stock piling
8:00	0.060	0.042	0.0	"
8:15	0.060	0.040	"	"
8:30	0.073	0.040	"	Loading trucks
8:45	0.076	0.041	"	"
9:00	0.081	0.052	0.0	"
9:15	0.095	0.053	"	"
9:30	0.099	0.050	"	Low Activity
9:45	0.015	0.059	"	"
10:00	0.073	0.042	0.0	"
10:15	0.071	0.046	"	"
10:30	0.059	0.048	"	sorting out
10:45	0.050	0.046	"	"
11:00	0.064	0.045	0.0	"
11:15	0.064	0.046	"	"
11:30	0.060	0.046	"	Stock piling
11:45	0.061	0.048	"	"
12:00	0.062	0.051	0.0	"

Hydro Tech Environmental, Corp.

Air Monitoring Log

Location: 83 Bushwick Pl Bk NY

Date: 12/30/14

Name: Jorge m Pineda

Time	CONC mg/m3	TWA	PID Reading	Comments
1:00	0.069	0.038	0.0	Loading truck
1:15	0.071	0.048	"	"
1:30	0.088	0.049	"	Stock piling
1:45	0.093	0.040	"	Sorting out soil
2:00	0.081	0.045	0.0	"
2:15	0.080	0.051	"	"
2:30	0.075	0.052	"	low activity
2:45	0.072	0.052	"	"
3:00	0.070	0.059	0.0	"

Hydro Tech Environmental, Corp. **Air Monitoring Log**

Location: 83 BOSHWICK PL., BROOKLYN NY [HTE# 140310]

Date: December 31st 2014

Name: PAUL MILANESI WEATHER: Sunny / 27°F

Time	CONC mg/m3	TWA	PID Reading	Comments
7:00 AM	1.7	2.4	0.0	LOADING TRUCKS
7:15 AM	2.9	2.2	0.0	"
7:30 AM	2.1	2.2	0.0	LOW ACTIVITY
7:45 AM	2.5	2.2	0.0	LOADING TRUCK
8:00 AM	1.8	2.2	0.0	LOW ACTIVITY
8:15 AM	2.3	2.2	0.0	EXCAVATING SOIL
8:30 AM	2.6	2.2	0.0	"
8:45 AM	1.2	2.1	0.0	MOVING SOIL
9:00 AM	1.8	2.1	0.0	REMOVING RECYCLABLES
9:15 AM	2.3	2.1	0.0	"
9:30 AM	1.4	2.1	0.0	SCREENING MATERIAL
9:45 AM	0.7	2.1	0.0	"
10:00 AM	1.1	2.1	0.0	EXCAVATING SOIL
10:15 AM	0.3	2.2	0.0	TAKING SAMPLES
10:30 AM	0.9	2.2	0.0	"
10:45 AM	1.8	2.1	0.0	"
11:00 AM	1.2	2.1	0.0	LOW ACTIVITY
11:15 AM	2.3	2.1	0.0	"
11:30 AM	2.9	1.9	0.0	MOVING SOIL
11:45 AM	0.6	1.9	0.0	"
12:00 PM	1.4	1.9	0.0	LUNCH
12:15 PM	1.8	1.9	0.0	LUNCH

Hydro Tech Environmental, Corp.

Air Monitoring Log

Location: 83 BUSHWICK PL., BROOKLYN NY [HTE#140310]

Date: December 31st 2014

Name: PAUL MILANESI WEATHER: SUNNY / 31°F

Time	CONC mg/m3	TWA	PID Reading	Comments
12:30 PM	2.0	1.9	0.0	LUNCH
12:45 PM	1.4	1.9	0.0	LOW ACTIVITY
1:00 PM	0.7	1.9	0.0	CLOSING SITE
1:15 PM				
1:30 PM				
1:45 PM				
2:00 PM				
2:15 PM				
2:30 PM				
2:45 PM				
3:00 PM				

Hydro Tech Environmental, Corp.

Air Monitoring Log

Location: 83 Bushwick Place, Brooklyn

Date: 12/23/14

Name: Nick Mancuso

Rainy, chilly

Time	CONC mg/m3	TWA	PID Reading	Comments
7:00	0.000	0.000	0.0	preparing machine
7:15	"	"	"	moving soil
7:30	"	"	"	"
7:45	"	"	"	"
8:00	"	"	"	no activity
8:15	"	"	"	moving soil
8:30	"	"	"	"
8:45	"	"	"	"

Hydro Tech Environmental, Corp. | Air Monitoring Log

Location: 83 BUSHWICK PL. BROOKLYN, NY (HTE# 140310)

Date: JANUARY 6th 2015

Name: PAUL MILANESI WEATHER: Flurries / 19°F

Time	CONC mg/m3	TWA	PID Reading	Comments
7:00 AM	2.3	2.2	0.0	LOADING TRUCKS
7:15 AM	1.7	2.1	0.0	"
7:30 AM	0.9	2.1	0.0	"
7:45 AM	1.3	2.2	0.0	MOVING SOIL
8:00 AM	1.4	2.2	0.0	LOW ACTIVITY
8:15 AM	2.0	2.2	0.0	"
8:30 AM	2.4	2.1	0.0	"
8:45 AM	1.2	2.1	0.0	MOVING EXCAVATOR
9:00 AM	0.3	1.9	0.0	LOW ACTIVITY
9:15 AM	1.1	1.8	0.0	"
9:30 AM	0.9	1.8	0.0	"
9:45 AM	0.4	1.8	0.0	"
10:00 AM	0.2	1.8	0.0	"
10:15 AM	1.1	1.6	0.0	LOADING TRUCKS
10:30 AM	0.6	1.6	0.0	"
10:45 AM	0.1	1.6	0.0	"
11:00 AM	1.3	1.6	0.0	LOW ACTIVITY
11:15 AM	1.9	1.7	0.0	LOADING TRUCKS
11:30 AM	0.7	1.7	0.0	"
11:45 AM	1.8	1.7	0.0	EXAVATING HOLES
12:00 PM	1.2	1.7	0.0	DISCOVER TANK
12:15 PM	0.5	1.7	0.0	"

Hydro Tech Environmental, Corp.

Air Monitoring Log

Location:

Date:

Name:

Time	CO/NO mg/m3	TVA	PID Reading	Comments
12:30 PM	2.1	1.7	0.0	LUNCH
12:45 PM	1.3	1.7	0.0	LUNCH
1:00 PM	0.4	1.7	0.0	UNCOVER 2ND TANK
1:15 PM	0.9	1.7	0.0	"
1:30 PM	1.4	1.7	0.0	"
1:45 PM	1.7	1.8	0.0	LOW ACTIVITY
2:00 PM	1.1	1.8	0.0	"
2:15 PM	0.2	1.7	0.0	EXCAVATING PITS
2:30 PM	1.8	1.7	0.0	"
2:45 PM	2.2	1.7	0.0	"
3:00 PM	1.2	1.7	0.0	"

Hydro Tech Environmental, Corp.

Air Monitoring Log

Location: 83 Bushwick Place Brooklyn, NY

Date: 1/20/15

Name: Silvestre Castillo

Time	CONC mg/m3	TWA	PID Reading	Comments
7:00 am	1.9	2.1	0.0	HTE onsite Background check
7:15 "	2.4	2.1	0.0	Set up PID & PDR Machinery warm up
7:30 "	3.0	2.1	0.0	Loading trucks begin
7:45 "	3.6	2.1	0.0	Loading trucks on progress
8:00 "	1.8	2.1	0.0	S.A.B
8:15 "	2.2	2.1	0.0	Earth movement + loading trucks
8:30 "	2.8	2.1	0.0	S.A.B
8:45 "	1.3	2.2	0.0	S.A.B
9:00 "	1.0	2.2	0.0	Low activity
9:15 "	1.6	2.2	0.0	" "
9:30 "	2.7	2.2	0.0	" "
9:45 "	2.9	2.2	0.0	" "
10:00 "	1.3	2.2	0.0	" "
10:15 "	3.2	2.2	0.0	" "
10:30 "	2.6	2.2	0.0	" "
10:45 "	1.9	2.2	0.0	" "
11:00 "	2.8	2.3	0.0	" "
11:15 "	3.4	2.3	0.0	" "
11:30 "	1.4	2.3	0.0	" "
11:45 "	1.7	2.3	0.0	" "
12:00 pm	2.3	2.3	0.0	Break for lunch
12:15 "	1.0	2.3	0.0	No activity

S.A.B = Same As Before

Hydro Tech Environmental, Corp.

Air Monitoring Log

Location: 83 Bushwick Place Brooklyn, NY

Date: 1/20/15

Name: Silvestre Castillo

Time	CONC mg/m3	TWA	PID Reading	Comments
12:30 pm	1.8	2.3	0.0	Resume work
12:45 "	2.7	2.4	0.0	Loading trucks continues
13:00 "	1.3	2.4	0.0	S.A.B
13:15 "	2.4	2.4	0.0	S.A.B
13:30 "	1.9	2.4	0.0	Earth movement + loading trucks
13:45 "	2.6	2.4	0.0	S.A.B
14:00 "	1.5	2.4	0.0	S.A.B
14:15 "	4.2	2.4	0.0	Loading trucks done
14:30 "	3.3	2.4	0.0	Low activity
14:45 "	2.2	2.4	0.0	" "
15:00 "	1.3	2.4	0.0	HTE offsite

Hydro Tech Environmental, Corp.

Air Monitoring Log

Location: 83 Bushwick Pl Brooklyn

Date: 2/12/18

Name: Jorge Pineda

Time	CONC mg/m3	TWA	PID Reading	Comments
7:00	1.1	3.5	0.0	Starting to load
7:15	1.2	3.5	"	"
7:30	2.9	3.4	"	loading truck
7:45	2.0	3.4	"	"
8:00	2.5	"	0.0	"
8:15	3.4	"	"	"
8:30	3.5	3.4	"	Slow activity
8:45	2.2	"	"	"
9:00	2.9	"	0.0	"
9:15	2.0	"	"	stock piling
9:30	1.0	3.4	"	"
9:45	1.0	"	"	"
10:00	0.2	3.5	0.0	"
10:15	2.3	3.7	"	no activity
10:30	2.9	3.7	"	"
10:45	3.8	3.4	"	"
11:00	2.7	"	0.0	loading truck
11:15	2.8	"	"	"
11:30	2.6	"	"	"
11:45	2.6	3.4	"	"
12:00	1.0	"	0.0	Lunch Break

Hydro Tech Environmental, Corp.

Air Monitoring Log

Location: 93 Bushwick Pl BK

Date: 2/12/15

Name: Jorge Pineda

Time	CONC mg/m3	TWA	PID Reading	Comments
12:50	20	34	0.0	Pre-Work
12:45	23	"	0.0	Cooking Food
1:00	25	"	0.0	"
1:15	21	"	0.0	"
1:30	29	35	"	"
1:45	35	36	"	Conversation
2:00	34	34	"	"
2:15	36	"	0.0	Collecting Sample
2:30	35	"	"	"
2:45	38	"	0.0	"
3:00	34	35	"	No Activity

Hydro Tech Environmental, Corp.

Air Monitoring Log

Location: 83 BUSHWICK PL BROOKLYN NY (HTE#140309)

Date: FEBRUARY 13TH 2015

Name: PETE MILANESI WEATHER: 9°F / Sunny / COLD

Time	CO (ppm)	TSP	PID Reading	Activities
700 AM	.098	.112	0.0	Loading Trucks
715 AM	.100	.112	0.0	"
730 AM	.102	.112	0.0	"
745 AM	.111	.113	0.0	"
800 AM	.113	.113	0.0	"
815 AM	.087	.112	0.0	Low Activity
830 AM	.109	.112	0.0	"
845 AM	.119	.112	0.0	Moving Equipment
900 AM	.110	.111	0.0	Low Activity
915 AM	.118	.113	0.0	"
930 AM	.122	.113	0.0	"
945 AM	.119	.115	0.0	Moving Soil
1000 AM	.131	.116	0.0	"
1015 AM	.124	.117	0.0	"
1030 AM	.119	.117	0.0	Low Activity
1045 AM	.113	.117	0.0	"
1100 AM	.137	.117	0.0	Installing Cribbing
1115 AM	.109	.118	0.0	"
1130 AM	.113	.116	0.0	"
1145 AM	.101	.115	0.0	"
1200 PM	.108	.115	0.0	"
1215 PM	.097	.115	0.0	LUNCH

Hydro Tech Environmental, Corp.

Air Monitoring Log

Location: 83 BUSHWICK PL. BROOKLYN NY (HTE# 140329)

Date: FEBRUARY 13TH 2015

Name: PAUL MANNELL WEATHER: 14°F / SUNNY / COLD

Time	CO/CO2 PPM	TVOC	PID Reading	Comments
12:30 PM	.086	.114	0.0	LUNCH
12:45 PM	.104	.114	0.0	LUNCH
1:00 PM	.107	.114	0.0	LOW ACTIVITY
1:15 PM	.121	.113	0.0	"
1:30 PM	.099	.112	0.0	INSTALLING LAGGING
1:45 PM	.110	.112	0.0	"
2:00 PM	.118	.112	0.0	"
2:15 PM	.108	.113	0.0	"
2:30 PM	.108	.113	0.0	"
2:45 PM	.113	.113	0.0	LOW ACTIVITY
3:00 PM	.102	.113	0.0	"

Hydro Tech Environmental Air Monitoring Form

Project Name: 83 BUSHWICK PL. (HTE# 140310)
Site Location: 83 BUSHWICK PL., BROOKLYN, NY
Date: FEBRUARY 27TH 2015
HTE Personnel: PAUL MILANESI
Weather: SUNNY
Temperature: 21F
Humidity: 43%

TIME	Air Monitoring Equipment Make and Model	Air Particulate levels Sampling Results: Up gradient (mg/m³)	Air Particulate levels Sampling Results: Down gradient (mg/m³)	Visible Dust (Y/N)	Odors (Y/N)	PID Readings (PPM)	Corrective Action Taken	Additional comments
7:00 AM	PID 2000 / PDR 1500	0.008	0.011	N	N	0.0	N/A	STARTING MACHINERY
7:15 AM	PID 2000 / PDR 1500	0.012	0.019	Y	N	0.0	N/A	LOADING TRUCKS
7:30 AM	PID 2000 / PDR 1500	0.010	0.015	N	N	0.0	N/A	"
7:45 AM	PID 2000 / PDR 1500	0.027	0.013	N	N	0.0	N/A	"
8:00 AM	PID 2000 / PDR 1500	0.034	0.018	Y	N	0.0	N/A	"
8:15 AM	PID 2000 / PDR 1500	0.019	0.020	Y	N	0.0	N/A	"
8:30 AM	PID 2000 / PDR 1500	0.046	0.022	Y	N	0.0	N/A	"
8:45 AM	PID 2000 / PDR 1500	0.031	0.019	N	N	0.0	N/A	"
9:00 AM	PID 2000 / PDR 1500	0.025	0.021	N	N	0.0	N/A	"
9:15 AM	PID 2000 / PDR 1500	0.009	0.017	N	N	0.0	N/A	LOW ACTIVITY
9:30 AM	PID 2000 / PDR 1500	0.013	0.016	N	N	0.0	N/A	"
9:45 AM	PID 2000 / PDR 1500	0.038	0.021	Y	N	0.0	N/A	MOVING SOIL
10:00 AM	PID 2000 / PDR 1500	0.033	0.018	N	N	0.0	N/A	"
10:15 AM	PID 2000 / PDR 1500	0.026	0.018	N	N	0.0	N/A	"
10:30 AM	PID 2000 / PDR 1500	0.007	0.015	N	N	0.0	N/A	LOW ACTIVITY
10:45 AM	PID 2000 / PDR 1500	0.021	0.017	Y	N	0.0	N/A	LOADING TRUCKS
11:00 AM	PID 2000 / PDR 1500	0.042	0.013	Y	N	0.0	N/A	"
11:15 AM	PID 2000 / PDR 1500	0.026	0.019	N	N	0.0	N/A	"
11:30 AM	PID 2000 / PDR 1500	0.028	0.019	Y	N	0.0	N/A	"
11:45 AM	PID 2000 / PDR 1500	0.020	0.016	N	N	0.0	N/A	LOW ACTIVITY
12:00 PM	PID 2000 / PDR 1500	0.013	0.013	N	N	0.0	N/A	LUNCH
12:15 PM	PID 2000 / PDR 1500	0.008	0.015	N	N	0.0	N/A	LUNCH
12:30 PM	PID 2000 / PDR 1500	0.011	0.015	N	N	0.0	N/A	LUNCH
12:45 PM	PID 2000 / PDR 1500	0.013	0.014	N	N	0.0	N/A	LOW ACTIVITY
1:00 PM	PID 2000 / PDR 1500	0.009	0.012	N	N	0.0	N/A	"
1:15 PM	PID 2000 / PDR 1500	0.024	0.015	N	N	0.0	N/A	LOADING C&D
1:30 PM	PID 2000 / PDR 1500	0.033	0.017	N	N	0.0	N/A	"
1:45 PM	PID 2000 / PDR 1500	0.024	0.018	N	N	0.0	N/A	"
2:00 PM	PID 2000 / PDR 1500	0.026	0.021	Y	N	0.0	N/A	MOVING CONCRETE
2:15 PM	PID 2000 / PDR 1500	0.041	0.019	N	N	0.0	N/A	LOW ACTIVITY
2:30 PM	PID 2000 / PDR 1500	0.039	0.024	N	N	0.0	N/A	LOADING C+D
2:45 PM	PID 2000 / PDR 1500	0.038	0.013	Y	N	0.0	N/A	"
3:00 PM	PID 2000 / PDR 1500	0.016	0.020	Y	N	0.0	N/A	CLEANING SITE

Particulate Air Monitoring will be conducted during ground intrusive activities at the Site in accordance with the Fugitive Dust and Particulate Monitoring from DER-10 Technical Guidance for Site

As per DER-10 Technical Guidance, any particular levels to exceed 0.10 mg/m³ will result in the implementaion of dust supression techniques to allow work to continue.

As per DER-10 Technical Guidance, any particular levels to exceed 0.15 mg/m³ will result in the work to stop immediately.

Hydro Tech Environmental Air Monitoring Form

Project Name: 83 Bushwick Pl, Brooklyn
Site Location:
Date: 3/4/15
HTE Personnel : Nick Mancuso
Weather: Rain
Temperature: ~35°F
Humidity:

TIME	Air Monitoring Equipment Make and Model	Air Particulate levels Sampling Results: Up gradient (mg/m³)	Air Particulate levels Sampling Results: Down gradient (mg/m³)	Visible Dust (Y/N)	Odors (Y/N)	PID Readings (PPM)	Corrective Action Taken	Additional comments
7:00 AM	PID 2000 / PDR 1500	0.000	0.000	N	N	0.0	N/A	1st truck loading
7:15 AM	PID 2000 / PDR 1500	0.000						2nd truck
7:30 AM	PID 2000 / PDR 1500	0.000						3rd truck
7:45 AM	PID 2000 / PDR 1500	0.000						4th truck
8:00 AM	PID 2000 / PDR 1500	0.000						5th truck
8:15 AM	PID 2000 / PDR 1500	0.000						6th truck
8:30 AM	PID 2000 / PDR 1500	0.000						7th truck
8:45 AM	PID 2000 / PDR 1500	0.000						8th truck
9:00 AM	PID 2000 / PDR 1500	0.000						9th truck
9:15 AM	PID 2000 / PDR 1500	0.000						10th truck
9:30 AM	PID 2000 / PDR 1500	0.000						no activity
9:45 AM	PID 2000 / PDR 1500	0.000						"
10:00 AM	PID 2000 / PDR 1500	0.000						moving soil
10:15 AM	PID 2000 / PDR 1500	0.000						"
10:30 AM	PID 2000 / PDR 1500	0.000						"
10:45 AM	PID 2000 / PDR 1500	0.000						"
11:00 AM	PID 2000 / PDR 1500	0.000						"
11:15 AM	PID 2000 / PDR 1500	0.000						"
11:30 AM	PID 2000 / PDR 1500	0.000						
11:45 AM	PID 2000 / PDR 1500	0.000						
12:00 PM	PID 2000 / PDR 1500	0.000						
12:15 PM	PID 2000 / PDR 1500	0.000						
12:30 PM	PID 2000 / PDR 1500	0.000						
12:45 PM	PID 2000 / PDR 1500	0.000						
1:00 PM	PID 2000 / PDR 1500	0.000						
1:15 PM	PID 2000 / PDR 1500	0.000						
1:30 PM	PID 2000 / PDR 1500	0.000						
1:45 PM	PID 2000 / PDR 1500	0.000						
2:00 PM	PID 2000 / PDR 1500	0.000						
2:15 PM	PID 2000 / PDR 1500	0.000						
2:30 PM	PID 2000 / PDR 1500	0.000						
2:45 PM	PID 2000 / PDR 1500	0.000						
3:00 PM	PID 2000 / PDR 1500	0.000						

Particulate Air Monitoring will be conducted during ground intrusuve activities at the Site in accordance with the Fugitive Dust and Particulate Monitoring from DER-10 Technical Guidance for Site

As per DER-10 Technical Guidance, any particular levels to exceed 0.10 mg/m³ will result in the implementaion of dust supression techniques to allow work to continue.

As per DER-10 Technical Guidance, any particular levels to exceed 0.15 mg/m³ will result in the work to stop immediately.

Hydro Tech Environmental Air Monitoring Form

Project Name: 83 BUSHWICK PLACE
Site Location: 83 BUSHWICK PL., BROOKLYN, NY
Date: 3-13-15
HTE Personnel: PAUL MILANESI
Weather: SUNNY/COLD
Temperature: 28°F
Humidity: 34%

TIME	Air Monitoring Equipment Make and Model	Air Particulate levels Sampling Results: (mg/m³)	Visible Dust (Y/N)	Odors (Y/N)	PID Readings (PPM)	Corrective Action Taken	Additional comments
7:00 AM	PID 2000 / PDR 1500	0.011	N	N	0.0	N/A	ARRIVED AT SITE
7:15 AM	PID 2000 / PDR 1500	0.032	N	N	0.0	N/A	PREPARING EQUIPMENT
7:30 AM	PID 2000 / PDR 1500	0.027	Y	N	0.0	N/A	LOADING TRUCKS
7:45 AM	PID 2000 / PDR 1500	0.044	N	N	0.0	N/A	"
8:00 AM	PID 2000 / PDR 1500	0.053	Y	N	0.0	N/A	"
8:15 AM	PID 2000 / PDR 1500	0.066	Y	N	0.0	N/A	"
8:30 AM	PID 2000 / PDR 1500	0.039	N	N	0.0	N/A	"
8:45 AM	PID 2000 / PDR 1500	0.045	Y	N	0.0	N/A	"
9:00 AM	PID 2000 / PDR 1500	0.021	N	N	0.0	N/A	LOW ACTIVITY
9:15 AM	PID 2000 / PDR 1500	0.013	N	N	0.0	N/A	"
9:30 AM	PID 2000 / PDR 1500	0.026	N	N	0.0	N/A	MOVING SOIL
9:45 AM	PID 2000 / PDR 1500	0.011	N	N	0.0	N/A	"
10:00 AM	PID 2000 / PDR 1500	0.028	N	N	0.0	N/A	LEVELING GROUND
10:15 AM	PID 2000 / PDR 1500	0.034	N	N	0.0	N/A	"
10:30 AM	PID 2000 / PDR 1500	0.019	N	N	0.0	N/A	"
10:45 AM	PID 2000 / PDR 1500	0.008	Y	N	0.0	N/A	LOADING TRUCK
11:00 AM	PID 2000 / PDR 1500	0.031	Y	N	0.0	N/A	"
11:15 AM	PID 2000 / PDR 1500	0.046	N	N	0.0	N/A	"
11:30 AM	PID 2000 / PDR 1500	0.052	Y	N	0.0	N/A	"
11:45 AM	PID 2000 / PDR 1500	0.034	N	N	0.0	N/A	"
12:00 PM	PID 2000 / PDR 1500	0.020	N	N	0.0	N/A	"
12:15 PM	PID 2000 / PDR 1500	0.016	N	N	0.0	N/A	LUNCH
12:30 PM	PID 2000 / PDR 1500	0.023	N	N	0.0	N/A	LUNCH
12:45 PM	PID 2000 / PDR 1500	0.009	N	N	0.0	N/A	LUNCH
1:00 PM	PID 2000 / PDR 1500	0.017	Y	N	0.0	N/A	MOVING SOIL
1:15 PM	PID 2000 / PDR 1500	0.024	N	N	0.0	N/A	"
1:30 PM	PID 2000 / PDR 1500	0.036	Y	N	0.0	N/A	"
1:45 PM	PID 2000 / PDR 1500	0.021	N	N	0.0	N/A	LOW ACTIVITY
2:00 PM	PID 2000 / PDR 1500	0.017	N	N	0.0	N/A	"
2:15 PM	PID 2000 / PDR 1500	0.047	Y	N	0.0	N/A	CLEANING STREET
2:30 PM	PID 2000 / PDR 1500	0.038	N	N	0.0	N/A	"
2:45 PM	PID 2000 / PDR 1500	0.012	N	N	0.0	N/A	LOW ACTIVITY
3:00 PM	PID 2000 / PDR 1500	0.019	N	N	0.0	N/A	"
X 3:15 PM	PID 2000 / PDR 1500						
X 3:30 PM	PID 2000 / PDR 1500						
X 3:45 PM	PID 2000 / PDR 1500						
X 4:00 PM	PID 2000 / PDR 1500						
X 4:15 PM	PID 2000 / PDR 1500						
X 4:30 PM	PID 2000 / PDR 1500						
X 4:45 PM	PID 2000 / PDR 1500						
X 5:00 PM	PID 2000 / PDR 1500						

Particulate Air Monitoring will be conducted during ground intrusuve activities at the Site in accordance with the Fugitive Dust and Particulate Monitoring from DER-10 Technical

As per DER-10 Technical Guidance, any particular levels to exceed 0.10 mg/m³ will result in the implementaion of dust supression techniques to allow work to continue.

As per DER-10 Technical Guidance, any particular levels to exceed 0.15 mg/m³ will result in the work to stop immediately.

Hydro Tech Environmental Air Monitoring Form

Project Name: 53 BUSHWICK PL.
Site Location: 53 BUSHWICK PL., BROOKLYN NY
Date: MARCH 17TH 2015
HTE Personnel: PAUL MILANESI
Weather: GRAY / RAINY ——→ CLEARING UP @ 11:00 AM
Temperature: 46 °F
Humidity: 72%

TIME	Air Monitoring Equipment Make and Model	Air Particulate levels Sampling Results: (mg/m³)	Visible Dust (Y/N)	Odors (Y/N)	PID Readings (PPM)	Corrective Action Taken	Additional comments
7:00 AM	PID 2000 / PDR 1500	0.008	N	N	0.0	N/A	ARRIVED ON SITE
7:15 AM	PID 2000 / PDR 1500	0.006	N	N	0.0	N/A	MOVING EQUIPMENT
7:30 AM	PID 2000 / PDR 1500	0.011	N	N	0.0	N/A	LOADING TRUCKS
7:45 AM	PID 2000 / PDR 1500	0.009	N	N	0.0	N/A	"
8:00 AM	PID 2000 / PDR 1500	0.018	N	N	0.0	N/A	"
8:15 AM	PID 2000 / PDR 1500	0.014	N	N	0.0	N/A	"
8:30 AM	PID 2000 / PDR 1500	0.021	N	N	0.0	N/A	"
8:45 AM	PID 2000 / PDR 1500	0.016	N	N	0.0	N/A	"
9:00 AM	PID 2000 / PDR 1500	0.012	N	N	0.0	N/A	CLEANING STREET
9:15 AM	PID 2000 / PDR 1500	0.010	N	N	0.0	N/A	LOW ACTIVITY
9:30 AM	PID 2000 / PDR 1500	0.007	N	N	0.0	N/A	"
9:45 AM	PID 2000 / PDR 1500	0.009	N	N	0.0	N/A	"
10:00 AM	PID 2000 / PDR 1500	0.022	N	N	0.0	N/A	MOVING TRAILER
10:15 AM	PID 2000 / PDR 1500	0.017	N	N	0.0	N/A	"
10:30 AM	PID 2000 / PDR 1500	0.024	Y	N	0.0	N/A	- CLEANING SITE
10:45 AM	PID 2000 / PDR 1500	0.023	N	N	0.0	N/A	"
11:00 AM	PID 2000 / PDR 1500	0.011	N	N	0.0	N/A	LOW ACTIVITY
11:15 AM	PID 2000 / PDR 1500	0.019	N	N	0.0	N/A	LEVELING GROUND
11:30 AM	PID 2000 / PDR 1500	0.021	N	N	0.0	N/A	"
11:45 AM	PID 2000 / PDR 1500	0.013	N	N	0.0	N/A	LOADING TRUCKS
12:00 PM	PID 2000 / PDR 1500	0.020	N	N	0.0	N/A	"
12:15 PM	PID 2000 / PDR 1500	0.026	Y	N	0.0	N/A	"
12:30 PM	PID 2000 / PDR 1500	0.015	N	N	0.0	N/A	"
12:45 PM	PID 2000 / PDR 1500	0.031	Y	N	0.0	N/A	"
1:00 PM	PID 2000 / PDR 1500	0.024	N	N	0.0	N/A	"
1:15 PM	PID 2000 / PDR 1500	0.015	N	N	0.0	N/A	LUNCH
1:30 PM	PID 2000 / PDR 1500	0.011	N	N	0.0	N/A	LUNCH
1:45 PM	PID 2000 / PDR 1500	0.022	Y	N	0.0	N/A	LOADING TRUCK
2:00 PM	PID 2000 / PDR 1500	0.018	N	N	0.0	N/A	LOW ACTIVITY
2:15 PM	PID 2000 / PDR 1500	0.029	Y	N	0.0	N/A	CLEANING SITE
2:30 PM	PID 2000 / PDR 1500	0.021	N	N	0.0	N/A	MOVING EQUIPMENT
2:45 PM	PID 2000 / PDR 1500	0.017	N	N	0.0	N/A	FIXING FENCE
3:00 PM	PID 2000 / PDR 1500	0.013	N	N	0.0	N/A	"
3:15 PM	PID 2000 / PDR 1500						
3:30 PM	PID 2000 / PDR 1500						
3:45 PM	PID 2000 / PDR 1500						
4:00 PM	PID 2000 / PDR 1500						
4:15 PM	PID 2000 / PDR 1500						
4:30 PM	PID 2000 / PDR 1500						
4:45 PM	PID 2000 / PDR 1500						
5:00 PM	PID 2000 / PDR 1500						

Particulate Air Monitoring will be conducted during ground intrusuve activities at the Site in accordance with the Fugitive Dust and Particulate Monitoring from DER-10 Technical

As per DER-10 Technical Guidance, any particular levels to exceed 0.10 mg/m³ will result in the implementaion of dust supression techniques to allow work to continue.

As per DER-10 Technical Guidance, any particular levels to exceed 0.15 mg/m³ will result in the work to stop immediately.

Hydro Tech Environmental Air Monitoring Form

Project Name: 83 BUSHWICK PL.
Site Location: 83 BUSHWICK PL., BROOKLYN NY
Date: MARCH 18TH 2018
HTE Personnel : PAUL MILANESI
Weather: Partly Cloudy / Cold
Temperature: 22°F
Humidity: 37%

TIME	Air Monitoring Equipment Make and Model	Air Particulate levels Sampling Results: (mg/m³)	Visible Dust (Y/N)	Odors (Y/N)	PID Readings (PPM)	Corrective Action Taken	Additional comments
7:00 AM	PID 2000 / PDR 1500	0.011	N	N	0.0	N/A	ARRIVED ON SITE
7:15 AM	PID 2000 / PDR 1500	0.009	N	N	0.0	N/A	STARTING MACHINERY
7:30 AM	PID 2000 / PDR 1500	0.028	Y	N	0.0	N/A	LOADING TRUCK
7:45 AM	PID 2000 / PDR 1500	0.024	N	N	0.0	N/A	"
8:00 AM	PID 2000 / PDR 1500	0.020	N	N	0.0	N/A	LOW ACTIVITY
8:15 AM	PID 2000 / PDR 1500	0.019	N	N	0.0	N/A	"
8:30 AM	PID 2000 / PDR 1500	0.027	Y	N	0.0	N/A	CLEANING STREET
8:45 AM	PID 2000 / PDR 1500	0.031	Y	N	0.0	N/A	"
9:00 AM	PID 2000 / PDR 1500	0.014	N	N	0.0	N/A	LOW ACTIVITY
9:15 AM	PID 2000 / PDR 1500	0.010	N	N	0.0	N/A	LEVELING GROUND
9:30 AM	PID 2000 / PDR 1500	0.012	N	N	0.0	N/A	"
9:45 AM	PID 2000 / PDR 1500	0.016	N	N	0.0	N/A	"
10:00 AM	PID 2000 / PDR 1500	0.021	N	N	0.0	N/A	"
10:15 AM	PID 2000 / PDR 1500	0.024	N	N	0.0	N/A	MOVING EQUIPMENT
10:30 AM	PID 2000 / PDR 1500	0.018	N	N	0.0	N/A	"
10:45 AM	PID 2000 / PDR 1500	0.015	N	N	0.0	N/A	LOW ACTIVITY
11:00 AM	PID 2000 / PDR 1500	0.013	N	N	0.0	N/A	"
11:15 AM	PID 2000 / PDR 1500	0.009	N	N	0.0	N/A	"
11:30 AM	PID 2000 / PDR 1500	0.007	N	N	0.0	N/A	FUELING MACHINES
11:45 AM	PID 2000 / PDR 1500	0.012	N	N	0.0	N/A	"
12:00 PM	PID 2000 / PDR 1500	0.011	N	N	0.0	N/A	LUNCH
12:15 PM	PID 2000 / PDR 1500						
12:30 PM	PID 2000 / PDR 1500						
12:45 PM	PID 2000 / PDR 1500						
1:00 PM	PID 2000 / PDR 1500						
1:15 PM	PID 2000 / PDR 1500						
1:30 PM	PID 2000 / PDR 1500						
1:45 PM	PID 2000 / PDR 1500						
2:00 PM	PID 2000 / PDR 1500						
2:15 PM	PID 2000 / PDR 1500						
2:30 PM	PID 2000 / PDR 1500						
2:45 PM	PID 2000 / PDR 1500						
3:00 PM	PID 2000 / PDR 1500						
3:15 PM	PID 2000 / PDR 1500						
3:30 PM	PID 2000 / PDR 1500						
3:45 PM	PID 2000 / PDR 1500						
4:00 PM	PID 2000 / PDR 1500						
4:15 PM	PID 2000 / PDR 1500						
4:30 PM	PID 2000 / PDR 1500						
4:45 PM	PID 2000 / PDR 1500						
5:00 PM	PID 2000 / PDR 1500						

Particulate Air Monitoring will be conducted during ground intrusuve activities at the Site in accordance with the Fugitive Dust and Particulate Monitoring from DER-10 Technical

As per DER-10 Technical Guidance, any particular levels to exceed 0.10 mg/m³ will result in the implementaion of dust supression techniques to allow work to continue.

As per DER-10 Technical Guidance, any particular levels to exceed 0.15 mg/m³ will result in the work to stop immediately.

Appendix 3

OER Daily, Weekly, and Monthly Reports

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast	x	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	11/13/14
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Container with construction debris was removed from the site
Started to place asphalt for offsite disposal into a new container

Working In Grid #: N/A

Samples Collected (since last report):
Samples were not collected

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Place debris and asphalt into containers located onsite
Next week: More cleanup

Site Grid Map

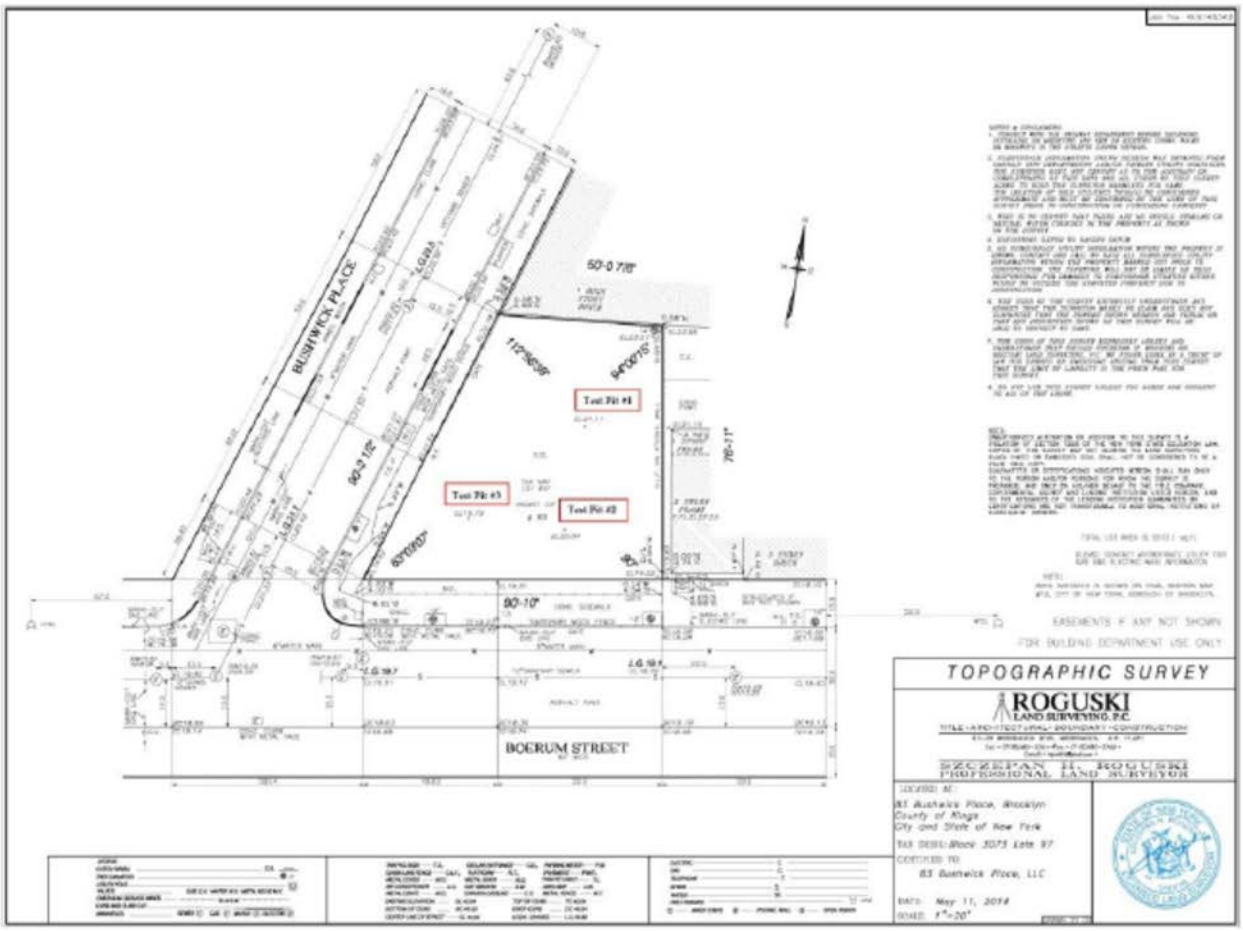


Photo Log

Photo 1- Container is full of site debris	
Photo 2– Container is full of debris	
Photo 3- Container departing site	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast	x	Partly Cloudy		Bright Sun	
TEMP.	< 32	x	32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	11/21/14
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Piles for future structure unloaded to site and rotary drilling rig
Surveyor onsite staked points, elevation and monitoring points to be completed 11/25
Started filling a container with debris

Working In Grid #: N/A

Samples Collected (since last report):
Samples were not collected

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Place debris and asphalt into containers located onsite
Next week: More cleanup

Site Grid Map

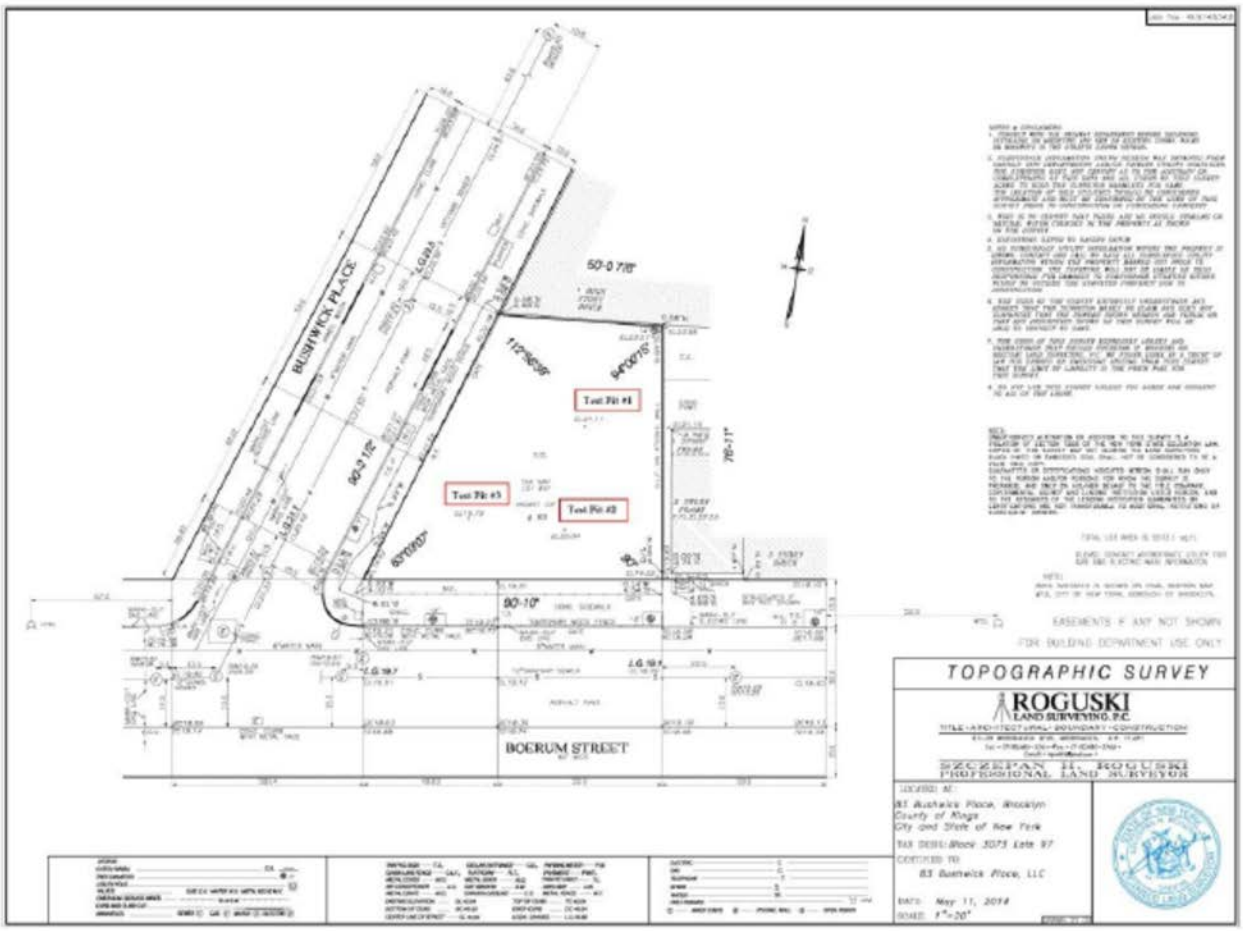


Photo Log

Photo 1-Piles arrived onsite	
Photo 2– Surveyor marked out points	
Photo 3- Container full of debris	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	11/24/14
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Area in southwest corner was cleared to collect samples for waste disposal
Started filling a container with debris

Working In Grid #: N/A

Samples Collected (since last report):
Five (5) samples were collected in southwest corner to be analyzed for TCLP lead and total lead

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Place debris and asphalt into containers located onsite
Next week: More cleanup

Site Grid Map

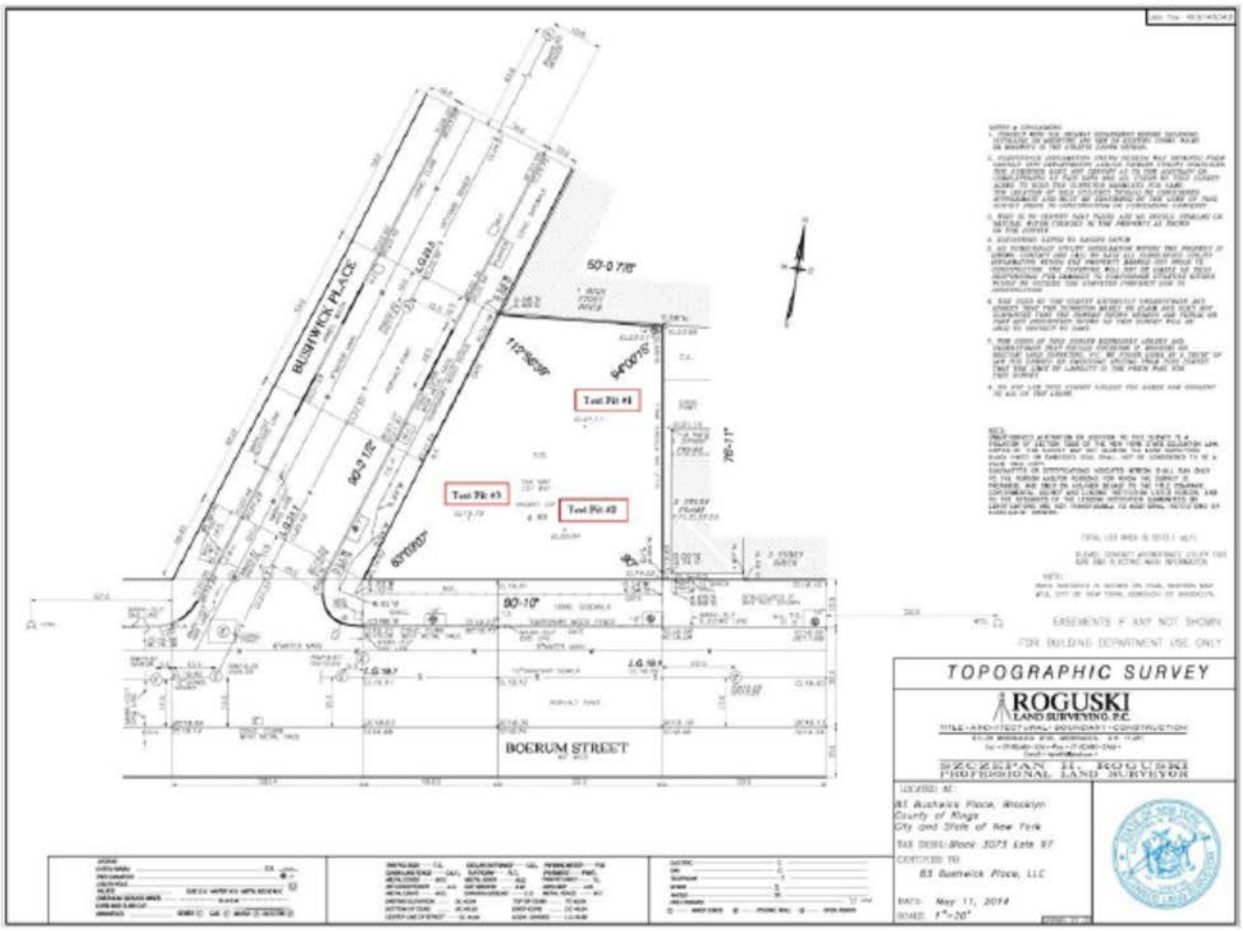


Photo Log

Photo 1- Southwest corner being excavated	
Photo 2– Debris pile mixed with soil	
Photo 3- Southwest corner	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	11/25/14
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Screen to separate rocks and soil received onsite
Screening process began
Compressor for air rotary drilling rig received
Monitoring points installed, 1st floor elevation marked out
Pile locations marked out
Container #205 filled with site debris (rocks only) and transported offsite

Working In Grid #: N/A

Samples Collected (since last report):
Samples were not collected at the site

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Place debris and asphalt into containers located onsite
Next week: More cleanup

Site Grid Map

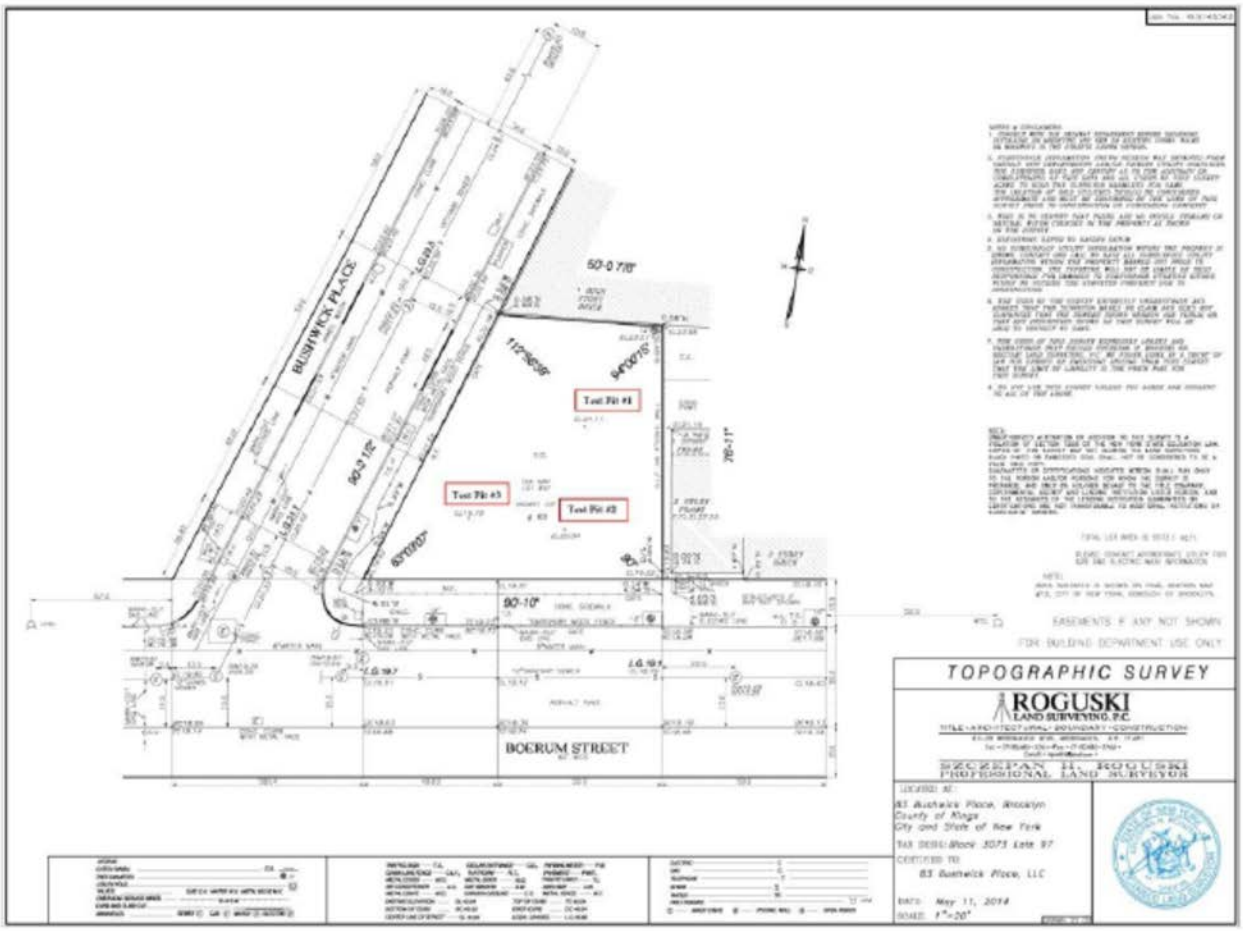


Photo Log

Photo 1- Screener separating rocks from soil	
Photo 2– Excavator loading screener	
Photo 3- Monitoring points installed	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	11/28/14
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Removed neighbor's fence/CMU knee wall and installed plywood fence
Drilling started – 1 pile installed
Soil/rock screening continued
Received container #213 – filled with bricks, rocks, site debris (no soil)

Working In Grid #: N/A

Samples Collected (since last report):
Samples were not collected at the site

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Place debris and asphalt into containers located onsite
Next week: More cleanup and piling installation

Site Grid Map

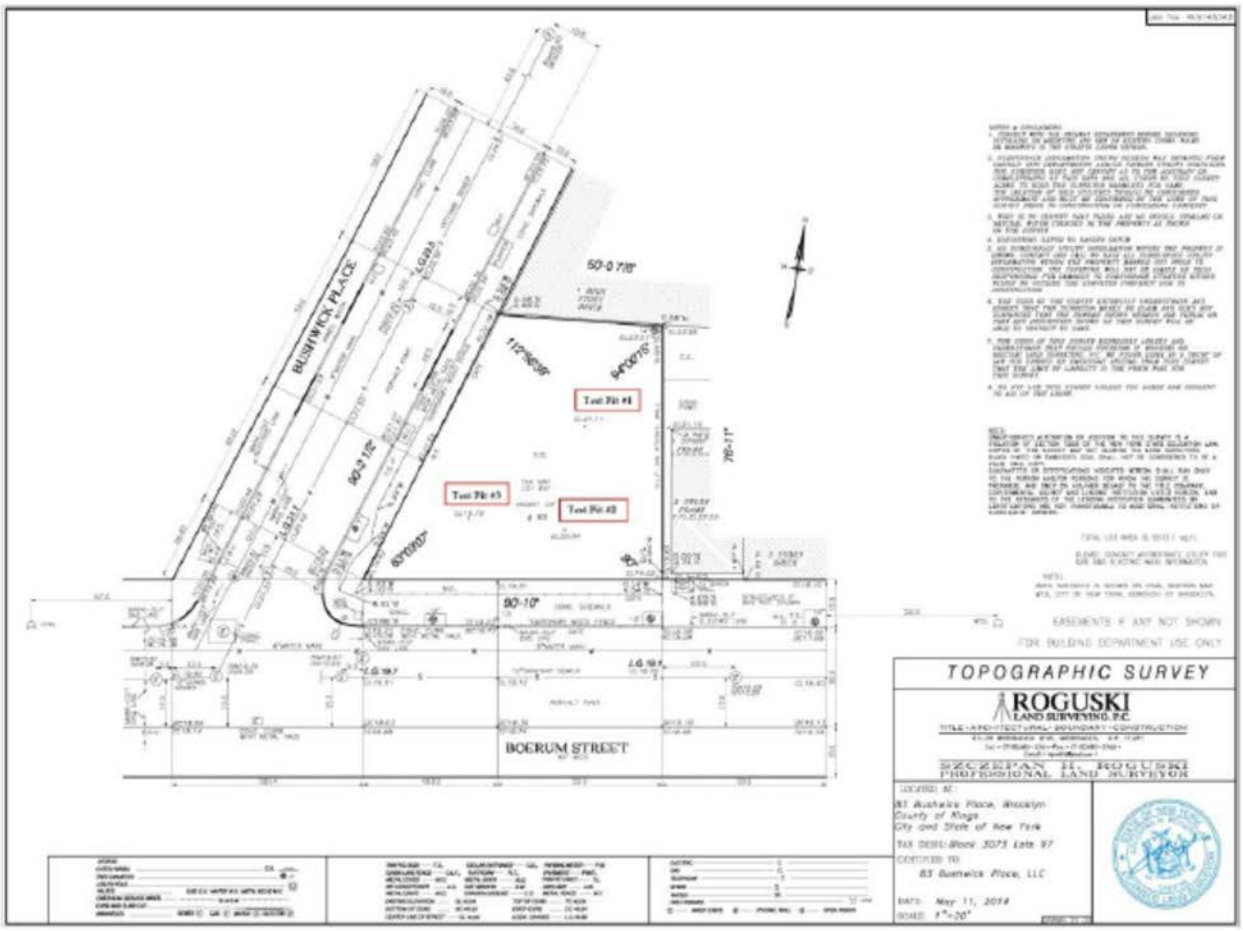


Photo Log

Photo 1-Screener separating rocks from soil	
Photo 2–Container #213 filled with rocks, concrete and debris	
Photo 3-Piling installation	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	12/3/14
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Drilling continued – 2 piles installed for a total of 7 piles installed as of 12/3. One pile had to be pulled out due to most likely hitting concrete and will be redrilled.
Container #213 filled with C&D and was picked up
Container #228 was received, filled with C&D and was picked up
Container #209 was received and filled with C&D

Working In Grid #: N/A

Samples Collected (since last report):
Samples were not collected at the site

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Place debris and asphalt into containers located onsite
Next week: More cleanup and piling installation

Site Grid Map

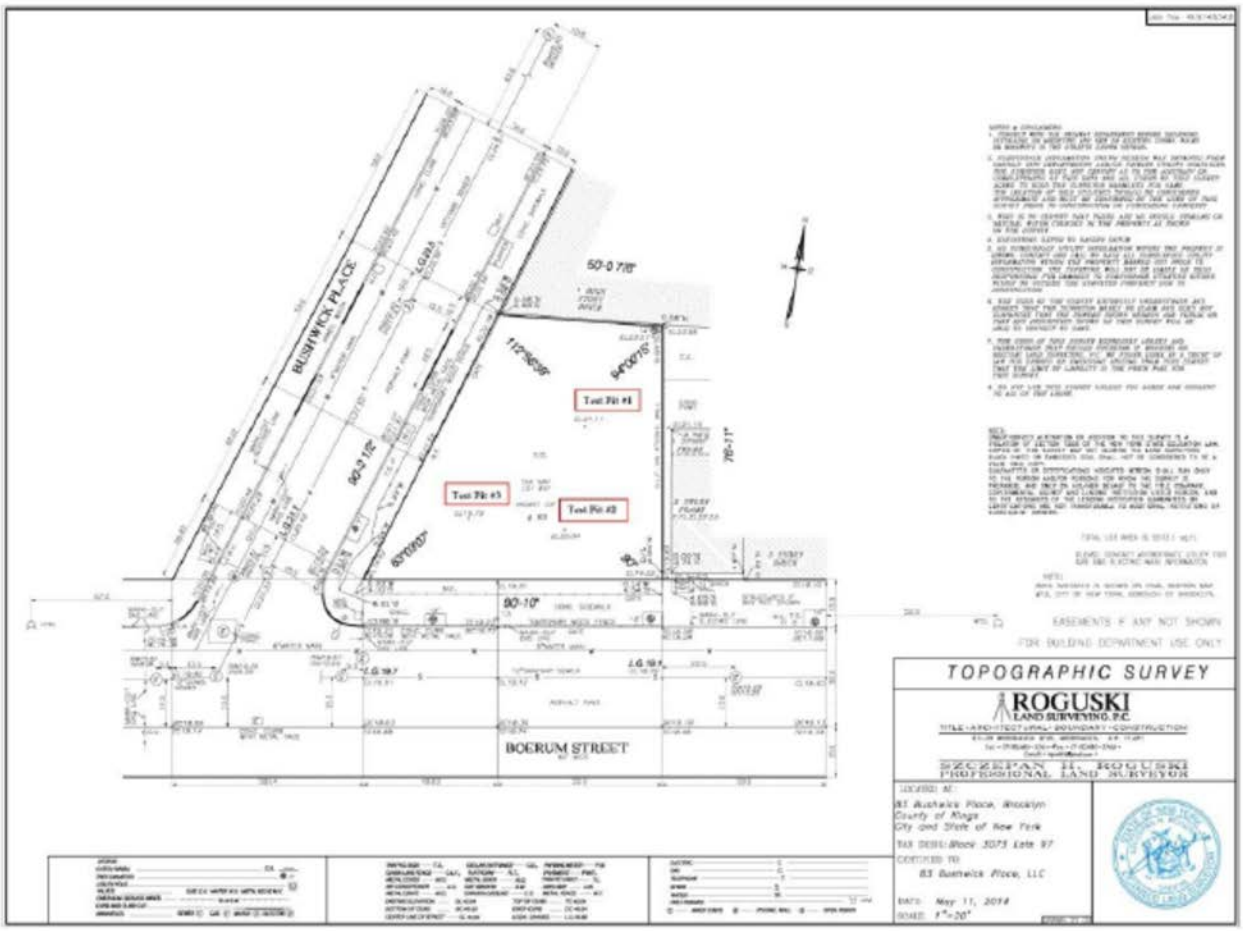


Photo Log

Photo 1-Installed piles	
Photo 2– Container #209 filled with rocks, concrete and debris	
Photo 3- Container delivered onsite	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	12/4/14
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Drilling continued – 2 piles installed for a total of 9 piles installed as of 12/4.
Container #213 received, to be filled with soil in Grid #1 12/5.
Container #209 filled with C&D and was picked up

Working In Grid #: N/A

Samples Collected (since last report):
Samples were not collected at the site

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Place soil from Grid #1 into Container #213 and collect endpoint samples to be analyzed for Total Lead and TCLP lead.
Next week: More cleanup and piling installation

Site Grid Map

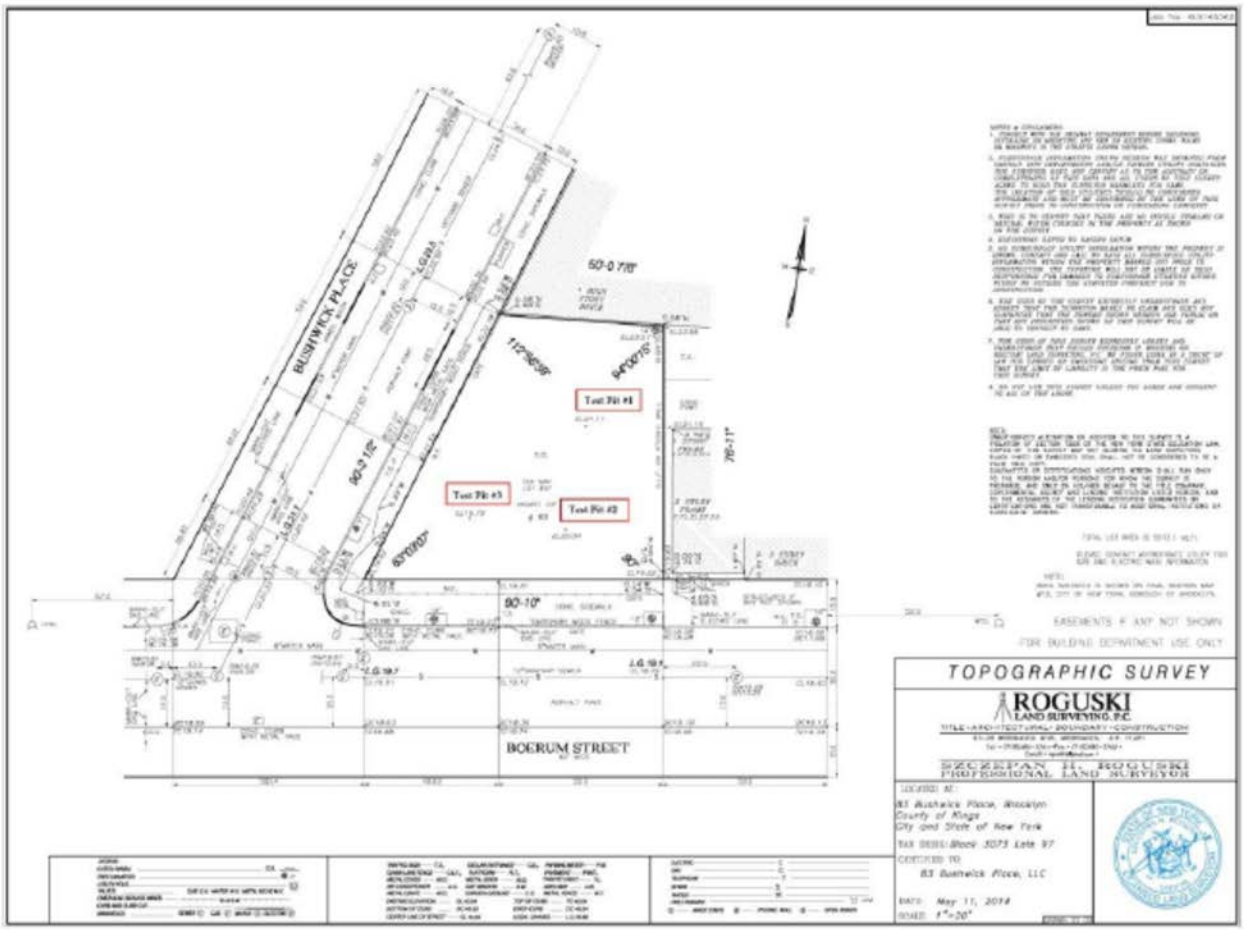
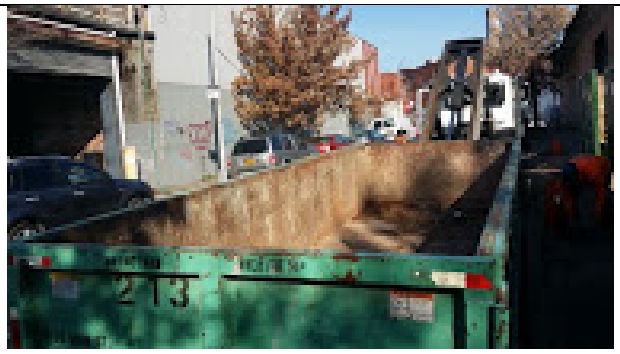


Photo Log

Photo 1-Installed piles	
Photo 2– Container #213 received	
Photo 3-Site view with excavator and screener	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	x
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	12/5/14
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Drilling continued – 2 piles installed for a total of 11 piles installed as of 12/5.
Container #213 received, filled with high lead soil from Grid #1 (corner of Bushwick Place and Boerum Street) and covered container with plastic.

Working In Grid #: N/A

Samples Collected (since last report):
5 endpoint samples 8' below grade taken from Grid #1 to delineate lead. Samples to be analyzed for TCLP lead and total lead.

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: N/A
Next week: More cleanup and piling installation

Site Grid Map

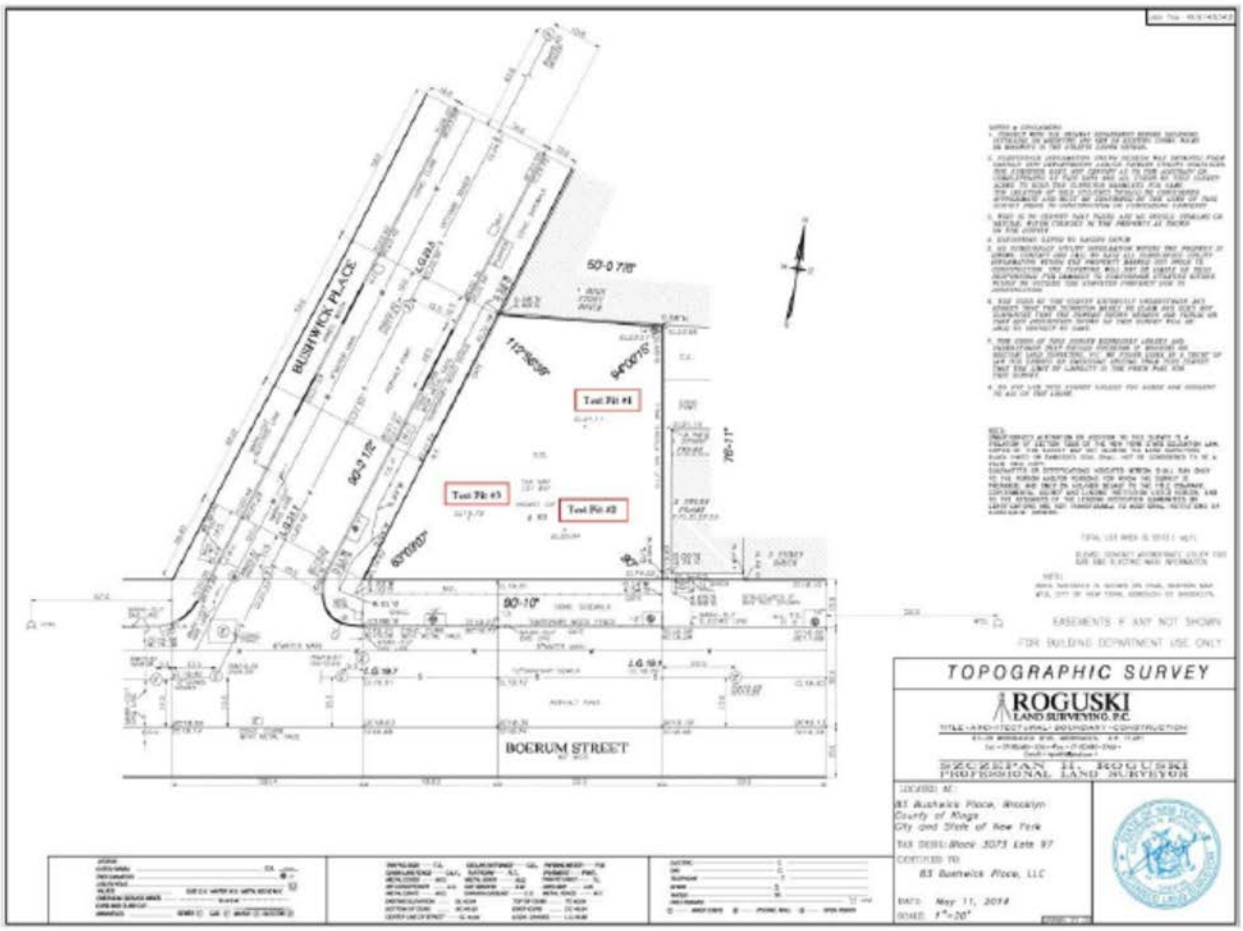


Photo Log

Photo 1-Hydro Tech collected endpoint samples	
Photo 2– Container #213 filled with soil and fill from high lead area, then covered with a tarp	
Photo 3-Area of high lead not filled back in, some wood placed in pit to prevent other soil from falling into pit	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	x
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	12/17/14
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Two (2) containers of C&D removed from the site.
Continued screening of debris from soil.
Guardrail installation and general cleanup.

Working In Grid #: N/A

Samples Collected (since last report):
None.

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: More cleanup
Next week: More cleanup and potential soil removal

Site Grid Map

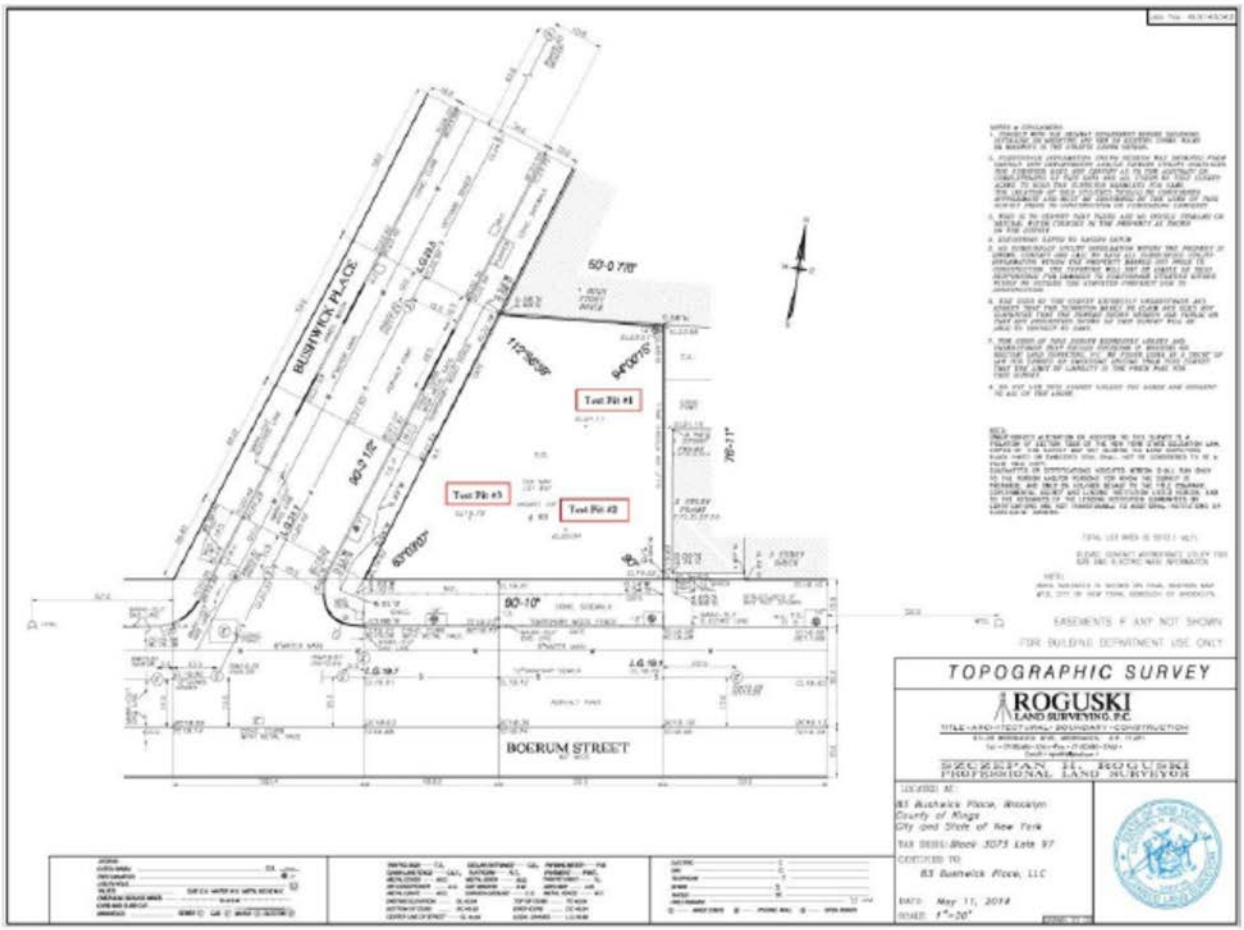


Photo Log

Photo 1- Container #101 filled with C&D and removed	
Photo 2– Container #111 filled with C&D and removed	
Photo 3- Container and pile of debris, pile of soil to be later removed pending facility approval	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain	x	Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	12/23/14
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Contaminated soil (hazardous lead) was removed from Grid #1 to Clean Earth of North Jersey.
C&D placed into container #213
Soil from Grid #3 was screened down to 8' bgs.
General site cleanup.
Waterproofed neighbor's pathway to his backyard.

Working In Grid #: N/A

Samples Collected (since last report):
None.

Air Monitoring:
Air monitoring was performed from 0700 to 0845 – no dust concentrations or volatile organics were detected with a PID and dust monitor.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: More cleanup
Next week: More cleanup and potential soil removal

Site Grid Map

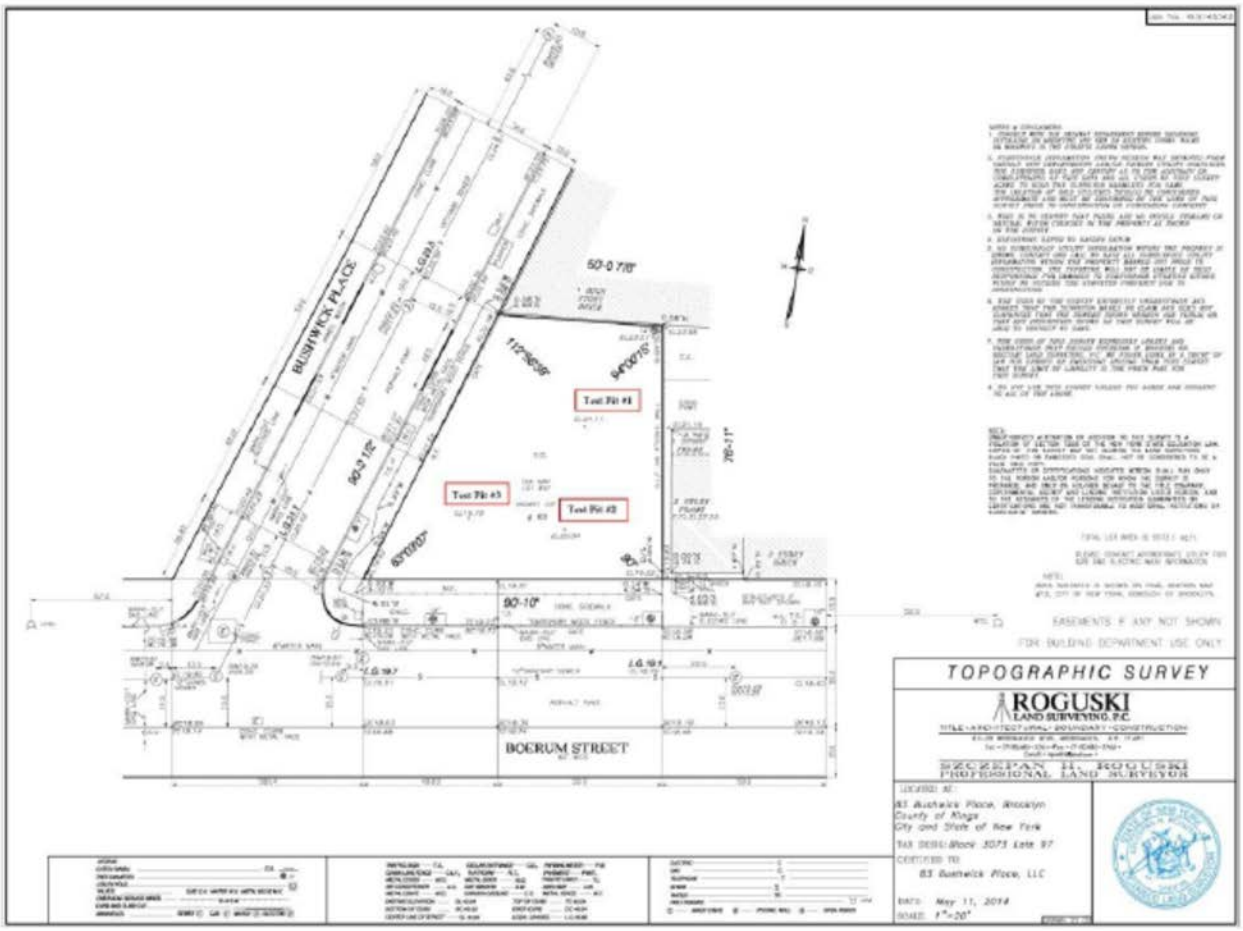
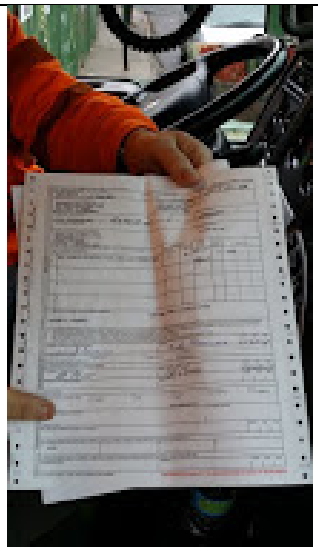


Photo Log

Photo 1-Photo of hazardous soil trucking manifest	
Photo 2– Hazardous soil transfer from container stored onsite to truck headed to Clean Earth North Jersey	
Photo 3-Truck being filled with hazardous soil for transport to approved facility	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32	x	32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	12/30/14
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Soil was removed from Grid #3 to Total Recycling Corp. (TRC) – Walnut Cut for a total of 11 trucks
Soil from Grid #2 was screened down to 8' bgs and soil was placed onto plastic sheeting to avoid mixing.

Working In Grid #: Grid #2 and Grid #3

Samples Collected (since last report):
None.

Air Monitoring:
Air monitoring was performed from 0700 to 1500 at the site. No anomalies were detected.
Prestart conditions – PID = 0.0 ppm, Dust = 0.061 mg/m3
High conditions – PID = 0.0 ppm, Dust = 0.090 mg/m3

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: More soil removal from Grid #2.
Next week: More cleanup and soil removal

Facility # Name/ Location Type of Waste Solid <u>Or</u> Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Facility # Name Location Type of Waste Solid *Or* Liquid		Facility # Name Location Type of Waste Solid *Or* Liquid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	11	275				
Total	1	25	12	300				

Site Grid Map

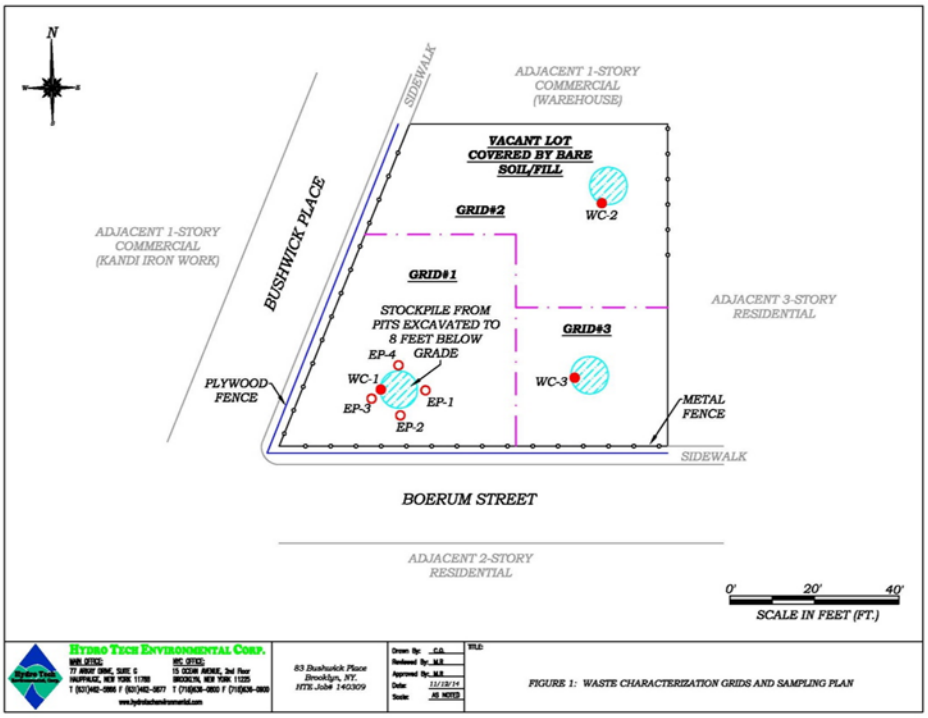


Photo Log

Photo 1-Truck loading	
Photo 2– Debris-free soil to be transported offsite	
Photo 3-Stockpiled soil for future disposal	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	x
TEMP.	< 32	x	32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	12/31/14
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Soil was removed from Grid #2 to Total Recycling Corp. (TRC) – Walnut Cut for a total of 4 trucks
Soil from Grid #2 was screened down to 8' bgs and soil was placed onto plastic sheeting to avoid mixing.
Two 20-yard containers of C&D removed offsite
New test pits opened from Grid #1 – 2 composite samples collected for potential acceptance to NJ Residential facilities (analyses required: VOCs, SVOCs, pesticides, PCBs, herbicides, total metals)

Working In Grid #: Grid #1 and Grid #2

Samples Collected (since last report):
Two 5-point composite samples

Air Monitoring:
Air monitoring was performed from 0700 to 1300 at the site. No anomalies were detected.
Prestart conditions – PID = 0.0 ppm, Dust = 1.7 mg/m3
High conditions – PID = 0.0 ppm, Dust = 2.9 mg/m3

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: No activity
Next week: More cleanup and soil removal

Facility # Name/ Location Type of Waste Solid <u>Or</u> Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Facility # Name Location Type of Waste Solid *Or* Liquid		Facility # Name Location Type of Waste Solid *Or* Liquid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	4	100				
Total	1	25	15	375				

<u>Site Grid Map</u>

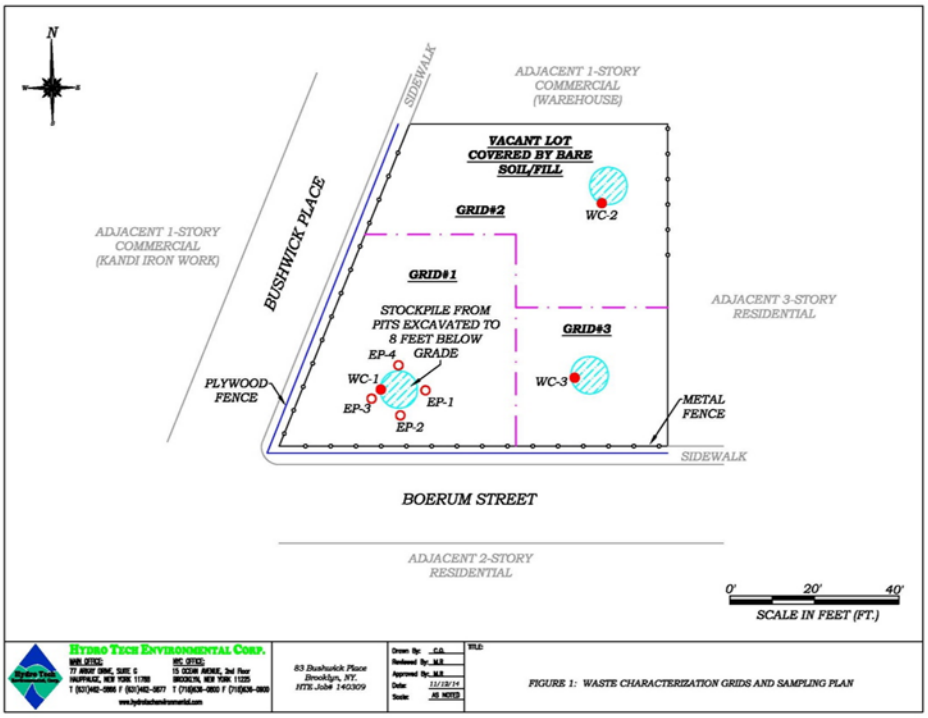
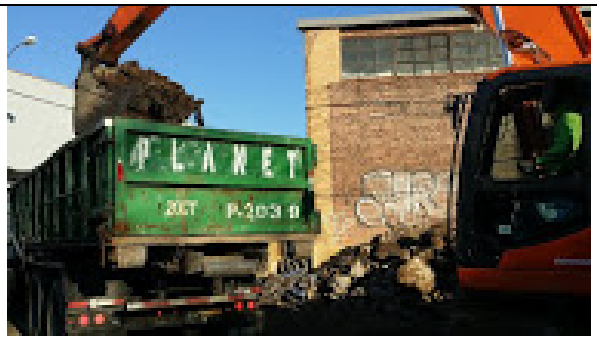


Photo Log

Photo 1-Test pit in Grid #1 opened for further composite sampling	
Photo 2– Truckload of C&D	
Photo 3- Screening activities	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	1/19/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Screened soil in northern portion of Grid #1 in the vicinity of uncovered 275-gallon tanks for removal 1/20.
General site cleanup activites

Working In Grid #: Grid #1

Samples Collected (since last report): None

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Soil removal from Grid #1
Next week: More cleanup and soil removal

Facility # Name/ Location Type of Waste Solid <u>Or</u> Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Facility # Name Location Type of Waste Solid *Or* Liquid		Facility # Name Location Type of Waste Solid *Or* Liquid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0				
Total	1	25	25	600				

<u>Site Grid Map</u>

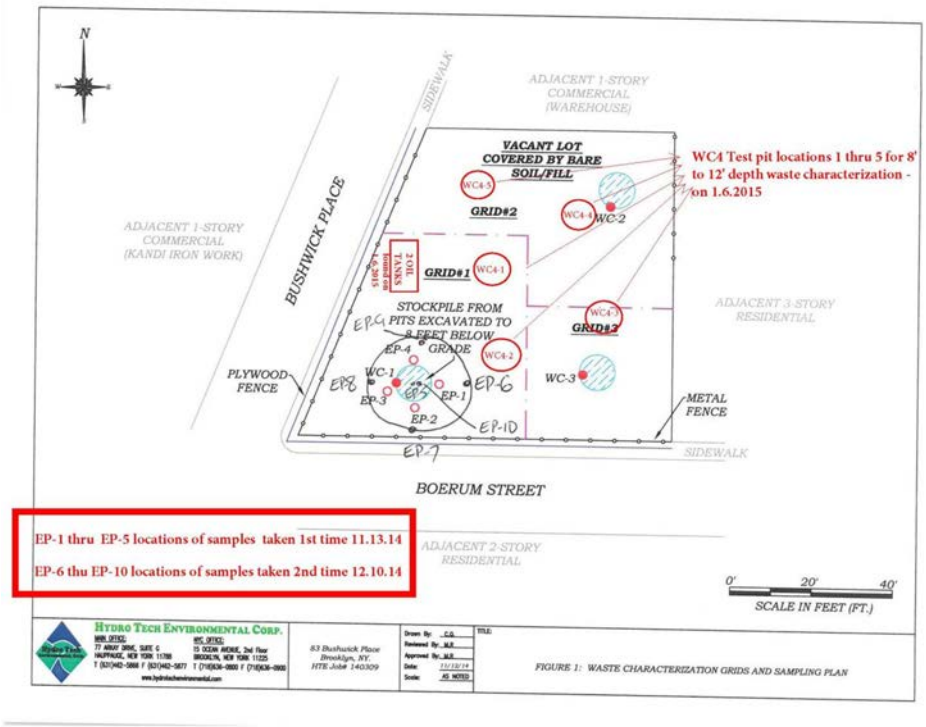
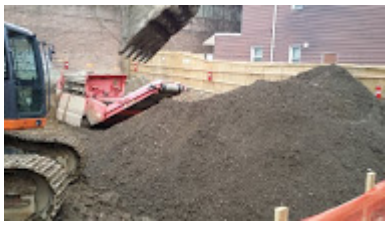


Photo Log

Photo 1-View of Grid #1 prior to screening	
Photo 2– View of Grid #1 prior to screening	
Photo 3- Screened soil	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	x
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	1/2/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Soil from Grid #2 was screened down to 8' bgs and soil was placed onto plastic sheeting to avoid mixing.
One 20-yard containers of C&D removed offsite
New test pits opened from Grid #1 – 2 grab samples collected for potential acceptance to NJ Residential facilities (analyses required: VOCs)

Working In Grid #: Grid #1 and Grid #2

Samples Collected (since last report):
Two grab samples

Air Monitoring:
Air monitoring was not performed

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: No activity
Next week: More cleanup and soil removal

Facility # Name/ Location Type of Waste Solid <u>Or</u> Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Facility # Name Location Type of Waste Solid *Or* Liquid		Facility # Name Location Type of Waste Solid *Or* Liquid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0				
Total	1	25	15	375				

<u>Site Grid Map</u>

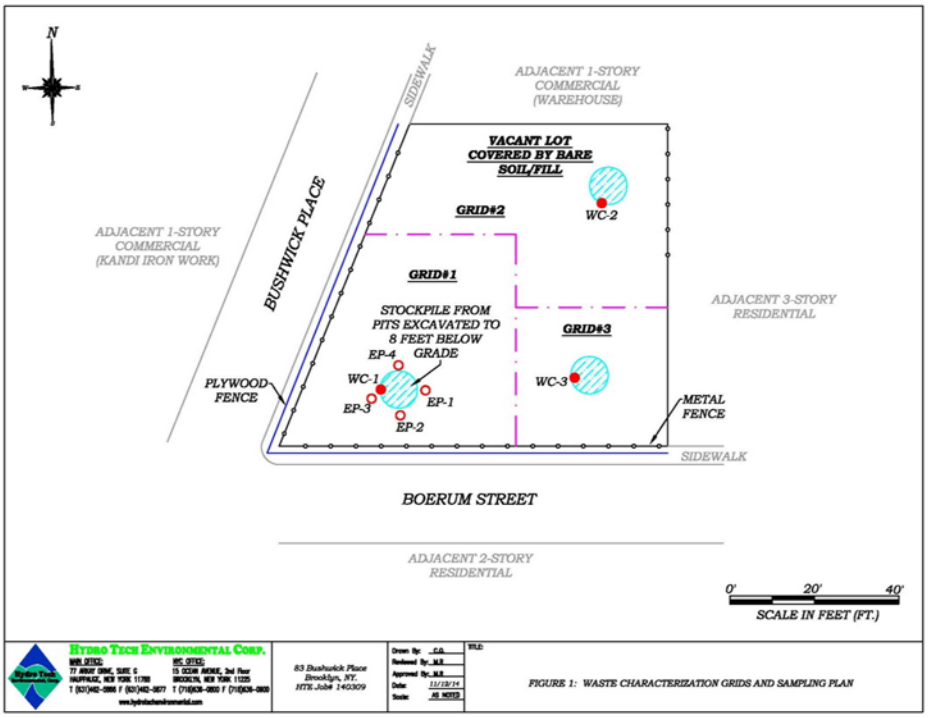
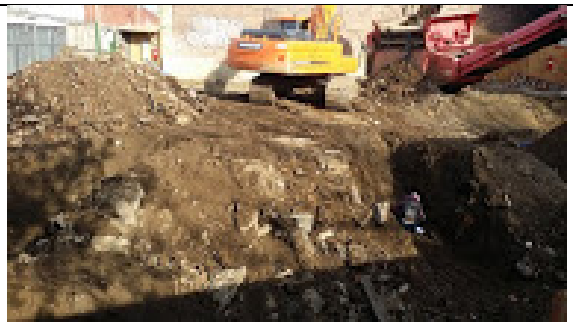


Photo Log

Photo 1-Grab sample collection	
Photo 2– Truckload of C&D	
Photo 3- Screening activities	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	x
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	1/5/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group
Work Activities Performed (since last report): Three 20-yard containers of C&D removed offsite General site cleaning	
Working In Grid #: N/A	

Samples Collected (since last report): Samples were not collected.
Air Monitoring: Air monitoring was not performed
Problems Encountered: No problems were encountered.
Planned Activities for the Next Day/ Week: Tomorrow: Soil removal Next week: More cleanup and soil removal

Facility # Name/ Location Type of Waste Solid <u>Or</u> Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Facility # Name Location Type of Waste Solid *Or* Liquid		Facility # Name Location Type of Waste Solid *Or* Liquid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0				
Total	1	25	15	375				

<u>Site Grid Map</u>

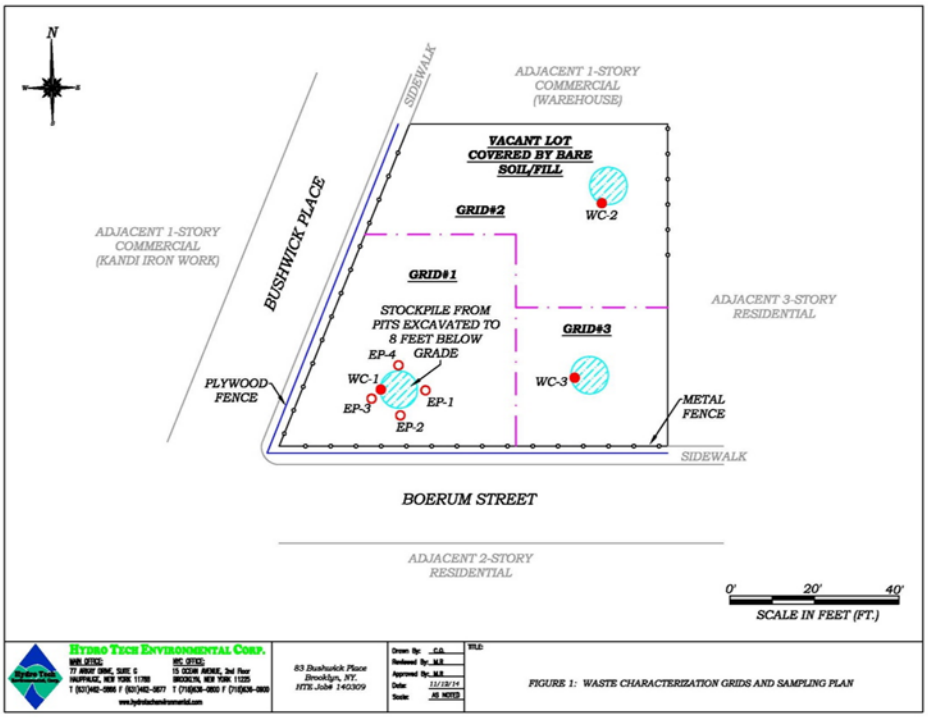


Photo Log

Photo 1-C&D pile	
Photo 2– Truckload of C&D	
Photo 3- Container photo	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow	x	Rain		Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32	x	32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	1/6/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Nine truckloads of soil excavated and transported offsite from Grid #2
Five test pits (WC4-1 through WC4-5) were dug to 12' bgs to characterize Grid #4 for waste characterization (WC-4), which encompasses the entire site from 8-12' bgs. A 5-point composite sample (soil from each test pit) and a grab sample were collected for waste characterization.
Two 275-gallon fuel oil USTs (previously unknown) were uncovered in Grid #1 in the western portion of the Subject Property. The tanks will be pumped out, cut, clean and removed on 1/7. The tanks were covered with polysheeting for overnight protection.

Working In Grid #: All grids

Samples Collected (since last report):
A sample for Grid #4 was collected for waste characterization.

Air Monitoring:
Air monitoring was performed at the site. No anomalies were detected.
Prestart conditions – PID = 0.0 ppm, Dust = 1.3 mg/m3
High conditions – PID = 0.0 ppm, Dust = 2.8 mg/m3

Problems Encountered:
Two 275-gallon fuel oil USTs were uncovered

Planned Activities for the Next Day/ Week:
Tomorrow: Removal of USTs, collection of 5 endpoint samples in the tank grave
Next week: More cleanup and soil removal

Facility # Name/ Location Type of Waste Solid <u>Or</u> Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Facility # Name Location Type of Waste Solid *Or* Liquid		Facility # Name Location Type of Waste Solid *Or* Liquid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	9	225				
Total	1	25	25	600				

<u>Site Grid Map</u>

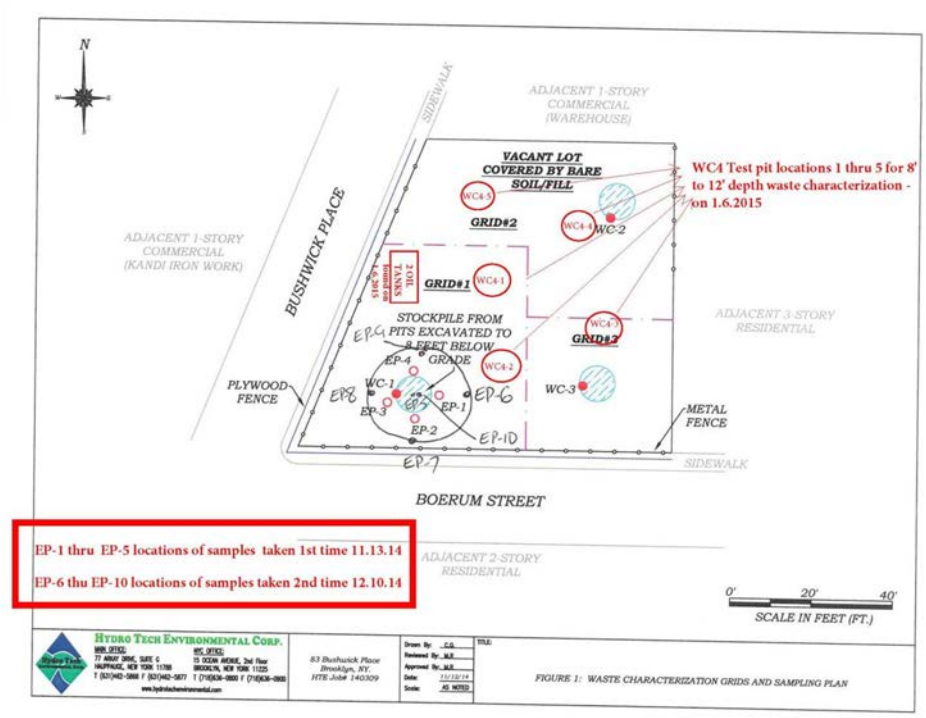


Photo Log

Photo 1-Soil removal from Grid #2	
Photo 2– Test pit for Grid #4 waste characterization	
Photo 3- A 275-gallon UST uncovered in Grid #1	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	1/20/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Removed 12 truckloads of soil from Grid #1. Entire site is now at 8' below grade surface from Boerum Street elevation except for cuts in the perimeter.

Working In Grid #: Grid #1

Samples Collected (since last report): None

Air Monitoring:
Air monitoring was performed at the site. No anomalies were detected.
Prestart conditions – PID = 0.0 ppm, Dust = 1.9 mg/m3
High conditions – PID = 0.0 ppm, Dust = 3.6 mg/m3

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: More cleanup
Next week: More cleanup and soil removal

Facility # Name/ Location Type of Waste Solid <u>Or</u> Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Facility # Name Location Type of Waste Solid *Or* Liquid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	12	300		
Total	1	25	25	600	12	300		

<u>Site Grid Map</u>

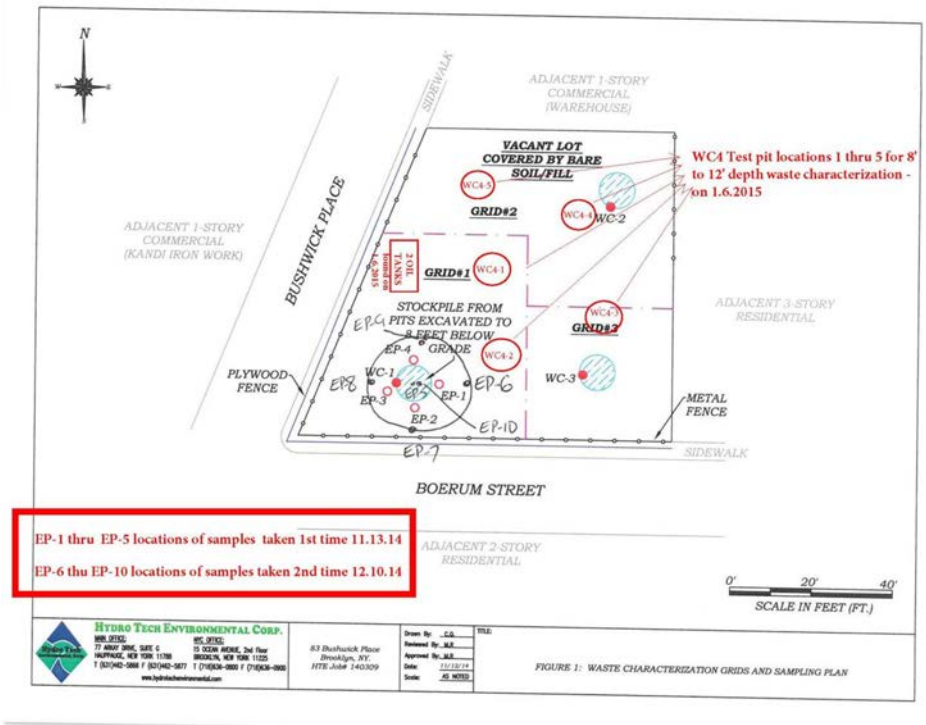


Photo Log

Photo 1-Truck being filled with soil from Grid #1	
Photo 2– Site dug down to 8' bgs	
Photo 3- Site view	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	1/22/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Removed 5 20-yard containers filled with C&D. Screening complete, screener removed offsite. Discovered one (1) 1,500-gallon UST (approximation) in the northwestern portion of the Site.

Working In Grid #: All grids

Samples Collected (since last report): None

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Tank pumpout and removal
Next week: More cleanup and soil removal

Facility # Name/ Location Type of Waste Solid <u>Or</u> Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Facility # Name Location Type of Waste Solid *Or* Liquid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0		
Total	1	25	25	600	12	300		

<u>Site Grid Map</u>

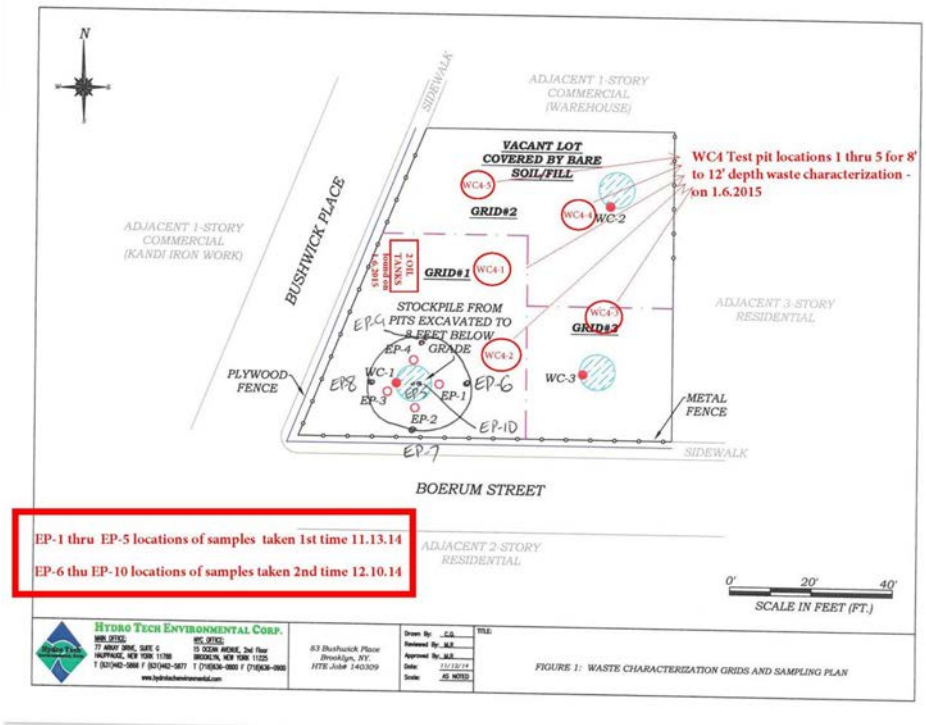


Photo Log

Photo 1- Uncovered 1,500 gallon UST	
Photo 2– Faraway view of tank covered with blue tarp for overnight storage	
Photo 3- Site debris to be removed	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32	x	32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	1/23/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Rapid Waste Disposal removed 521 gallons of a #2 fuel oil/water mix from a previously unknown 550-gallon UST located in the northwest portion of the Site discovered 1/22/15 (believed to be a 1,080-gallon of 1,500-gallon capacity UST).

Working In Grid #: N/A

Samples Collected (since last report): None

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: N/A
Next week: Tank removal, more cleanup and soil removal

Facility # Name/ Location Type of Waste Solid <u>Or</u> Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Facility # Name Location Type of Waste Solid *Or* Liquid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0		
Total	1	25	25	600	12	300		

<u>Site Grid Map</u>

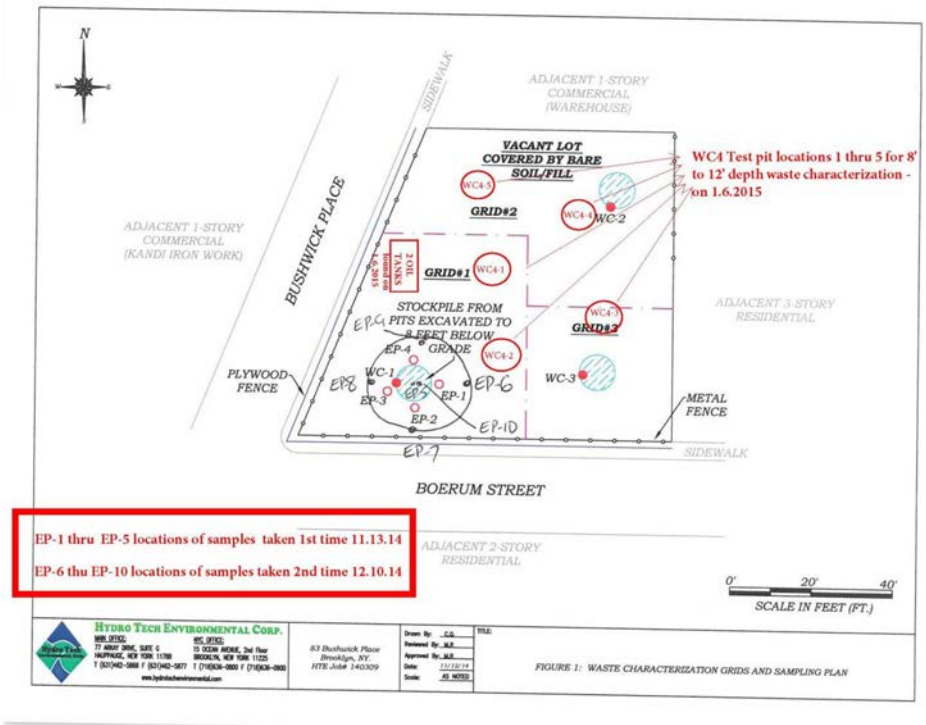


Photo Log

Photo 1- Uncovered 550-gallon UST	
Photo 2– Liquid removal	

Photo 3- Farther view of UST	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow	x	Rain		Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32	x	32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	1/26/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Removed 550-gallon fuel oil UST from original location in northwest portion of Subject Property and removed offsite.

Working In Grid #: N/A

Samples Collected (since last report): None

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: N/A
Next week: Soil removal, shoring

Facility # Name/ Location Type of Waste Solid <u>Or</u> Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Facility # Name Location Type of Waste Solid *Or* Liquid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0		
Total	1	25	25	600	12	300		

<u>Site Grid Map</u>

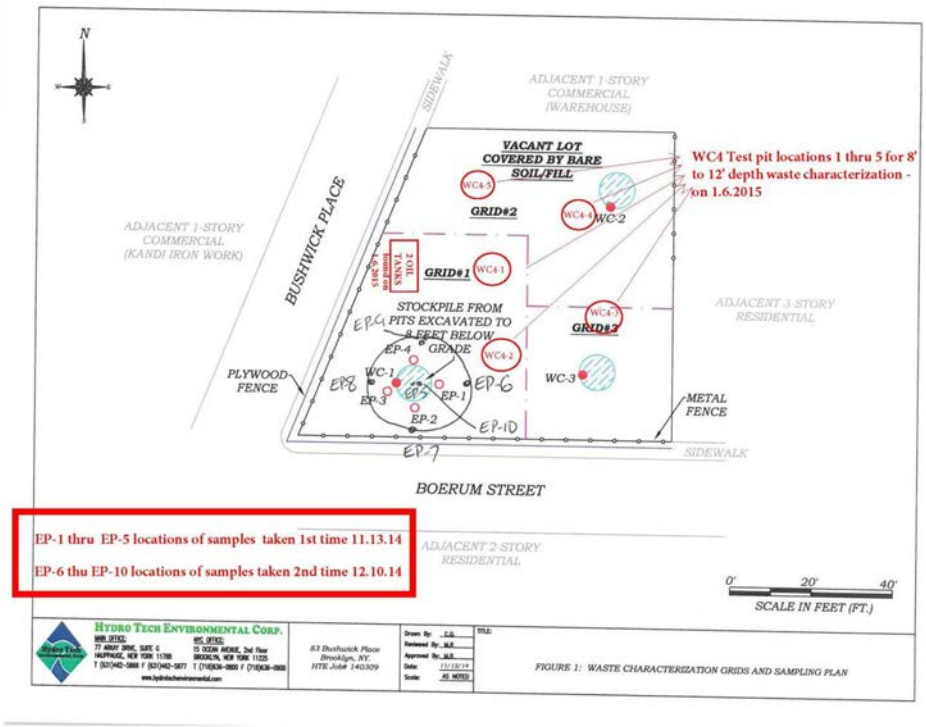


Photo Log

Photo 1-Tank removed from its original position but still in tank grave	
Photo 2– Tank grave	

Photo 3- Tank removed from grave	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow	x	Rain		Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32	x	32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	2/12/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group
Work Activities Performed (since last report): Removed 13 trucks of soil to P Park NJ. Bottom of excavation reached.	
Working In Grid #: Grid 4	

Samples Collected (since last report): Endpoint samples EP-1 through EP-6
Air Monitoring: Air monitoring was performed at the site. No anomalies were detected. Prestart conditions – PID = 0.0 ppm, Dust = 1.1 mg/m3 High conditions – PID = 0.0 ppm, Dust = 3.8 mg/m3
Problems Encountered: No problems were encountered.
Planned Activities for the Next Day/ Week: Tomorrow: Soil removal (excess from corners/sidewalls) Next week: Soil removal, lagging

Facility # Name/ Location Type of Waste Solid Or Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Prospect Park NJ P Park NJ LLC Prospect Park, NJ Soil/Fill Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0	13	325
Total	1	25	25	600	12	300	13	325

Site Grid Map

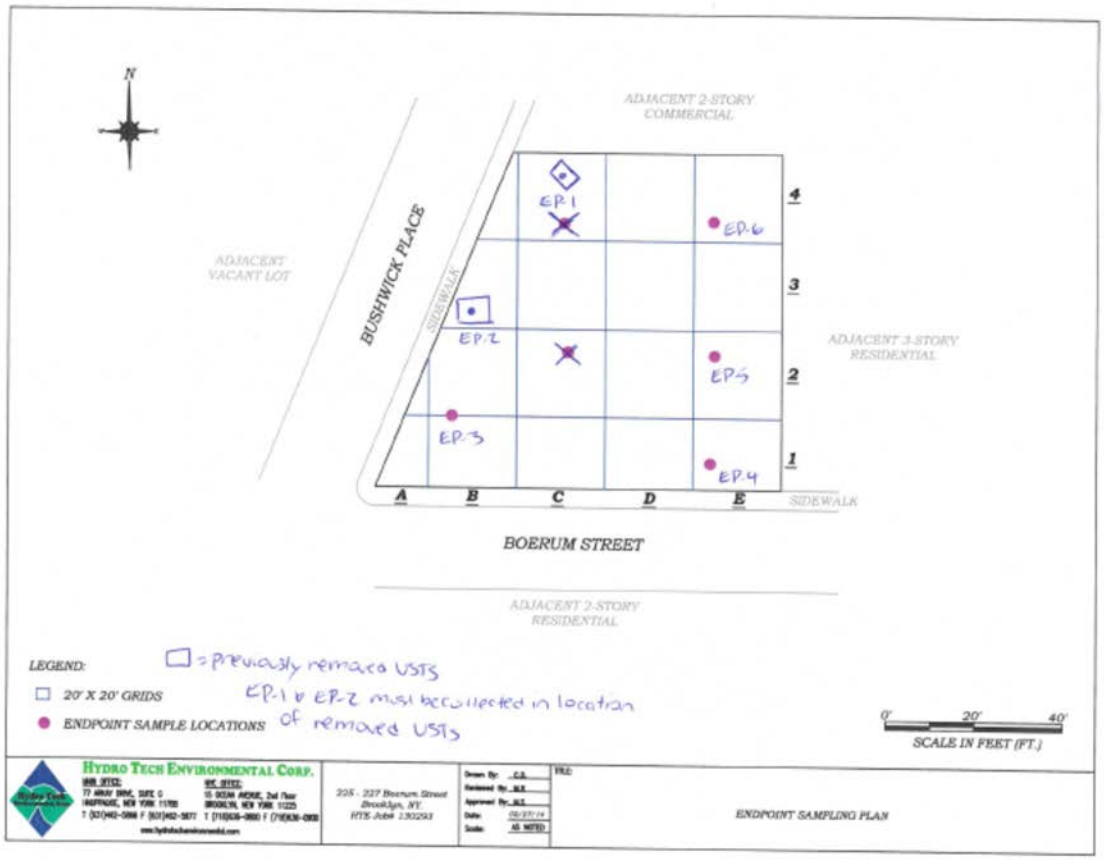


Photo Log

Photo 1-Truck being loaded with soil for disposal at P Park	
Photo 2– Soil to be disposed	
Photo 3- Site view	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow	x	Rain		Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32	x	32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	2/13/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group
Work Activities Performed (since last report): Removed 10 trucks of soil to P Park NJ – soil removed from sides.	
Working In Grid #: Grid 4	

Samples Collected (since last report): Endpoint samples EP-1 through EP-6
Air Monitoring: Air monitoring was performed at the site. No anomalies were detected. Prestart conditions – PID = 0.0 ppm, Dust = 0.098 mg/m3 High conditions – PID = 0.0 ppm, Dust = 0.113 mg/m3
Problems Encountered: No problems were encountered.
Planned Activities for the Next Day/ Week: Tomorrow: N/A Next week: Soil removal, lagging

Facility # Name/ Location Type of Waste Solid Or Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Prospect Park NJ P Park NJ LLC Prospect Park, NJ Soil/Fill Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0	10	250
Total	1	25	25	600	12	300	23	575

Site Grid Map

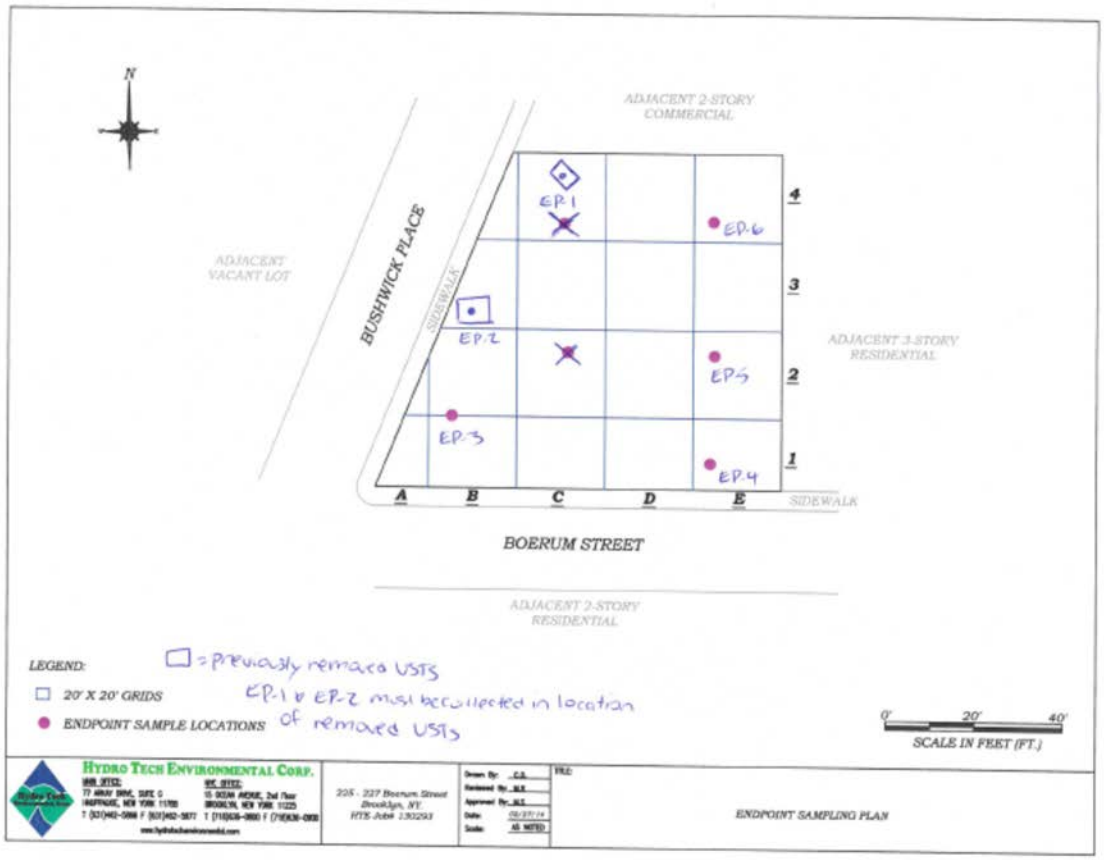


Photo Log

Photo 1-Truck being loaded with soil for disposal at P Park	
Photo 2– Work against neighbor's wall	
Photo 3- Pilings against neighbor's wall	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow	x	Rain		Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32	x	32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	2/27/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group
Work Activities Performed (since last report): Removed 15 trucks of soil to P Park NJ – soil removed from sides.	
Working In Grid #: Grid 4	

Samples Collected (since last report): N/A
Air Monitoring: Air monitoring was performed at the site. No anomalies were detected. Prestart conditions – PID = 0.0 ppm, Dust = 0.008 mg/m3 High conditions – PID = 0.0 ppm, Dust = 0.046 mg/m3
Problems Encountered: No problems were encountered.
Planned Activities for the Next Day/ Week: Tomorrow: N/A Next week: Soil removal, lagging

Facility # Name/ Location Type of Waste Solid Or Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Prospect Park NJ P Park NJ LLC Prospect Park, NJ Soil/Fill Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0	15	375
Total	1	25	25	600	12	300	38	950

Site Grid Map

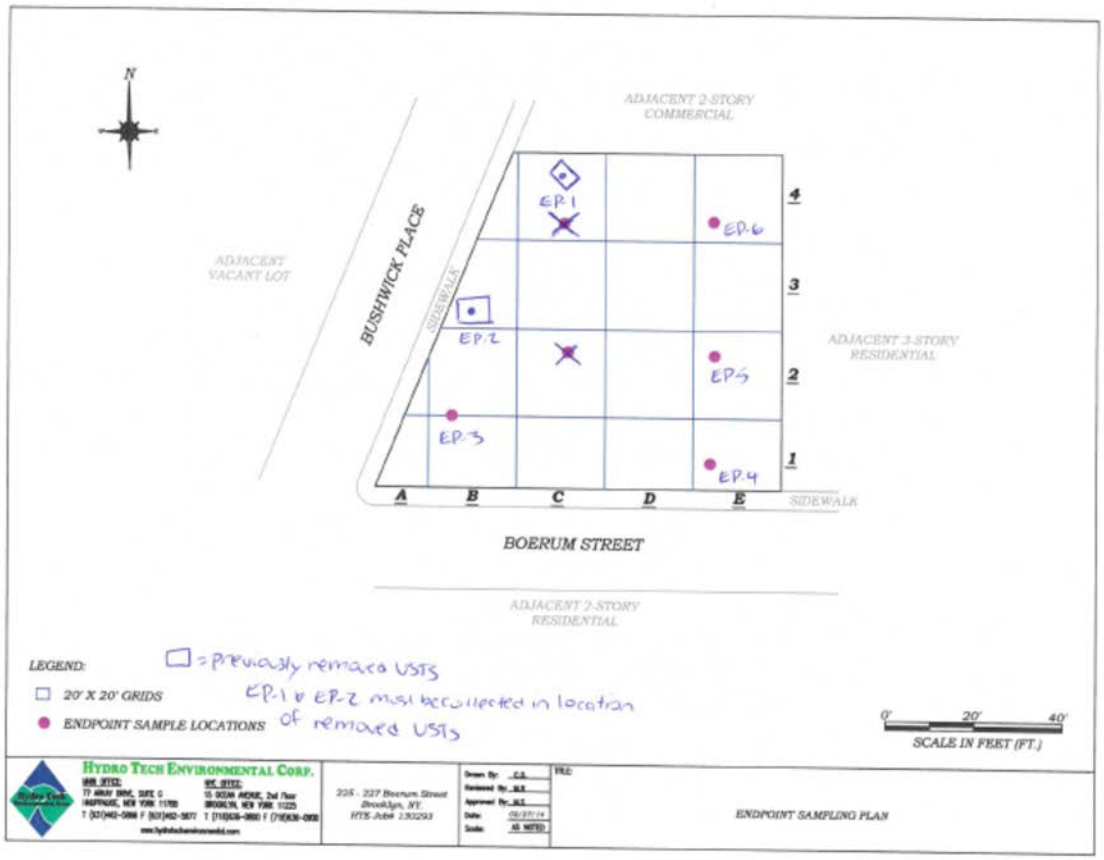


Photo Log

Photo 1-Truck being loaded with soil for disposal at P Park	
Photo 2– Sidewall excavation	
Photo 3- Site view	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast	x	Partly Cloudy		Bright Sun	
TEMP.	< 32	x	32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	3/4/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group
Work Activities Performed (since last report): Removed 10 trucks of soil to P Park NJ – soil removed from sides.	
Working In Grid #: Grid 4	

Samples Collected (since last report): N/A
Air Monitoring: Air monitoring was performed at the site. No anomalies were detected. Prestart conditions – PID = 0.0 ppm, Dust = 0.000 mg/m3 High conditions – PID = 0.0 ppm, Dust = 0.000 mg/m3
Problems Encountered: No problems were encountered.
Planned Activities for the Next Day/ Week: Tomorrow: N/A Next week: Soil removal, lagging

Facility # Name/ Location Type of Waste Solid Or Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Prospect Park NJ P Park NJ LLC Prospect Park, NJ Soil/Fill Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0	10	250
Total	1	25	25	600	12	300	48	1200

Site Grid Map

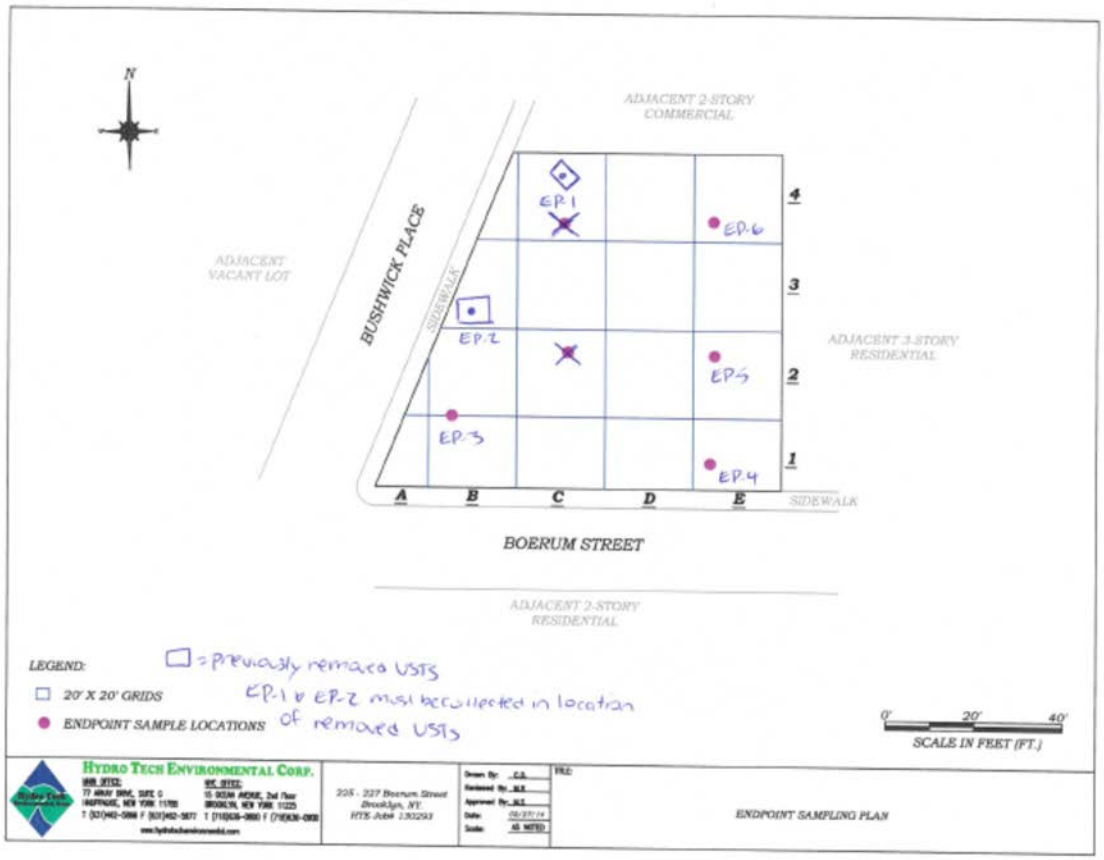
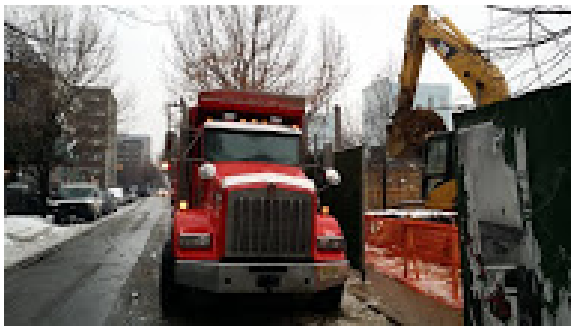


Photo Log

Photo 1-Truck being loaded with soil for disposal at P Park	
Photo 2– Excavation	
Photo 3- Site view	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	x
TEMP.	< 32	x	32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	3/13/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Removed 14 trucks of soil to P Park NJ – soil removed from sides.
Inserted Precast Pits

Working In Grid #: Grid 4

Samples Collected (since last report): N/A

Air Monitoring:
Air monitoring was performed at the site. No anomalies were detected.
Prestart conditions – PID = 0.0 ppm, Dust = 0.011 mg/m3
High conditions – PID = 0.0 ppm, Dust = 0.052 mg/m3

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: N/A
Next week: Soil removal, lagging

Facility # Name/ Location Type of Waste Solid Or Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Prospect Park NJ P Park NJ LLC Prospect Park, NJ Soil/Fill Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0	14	350
Total	1	25	25	600	12	300	62	1550

Site Grid Map

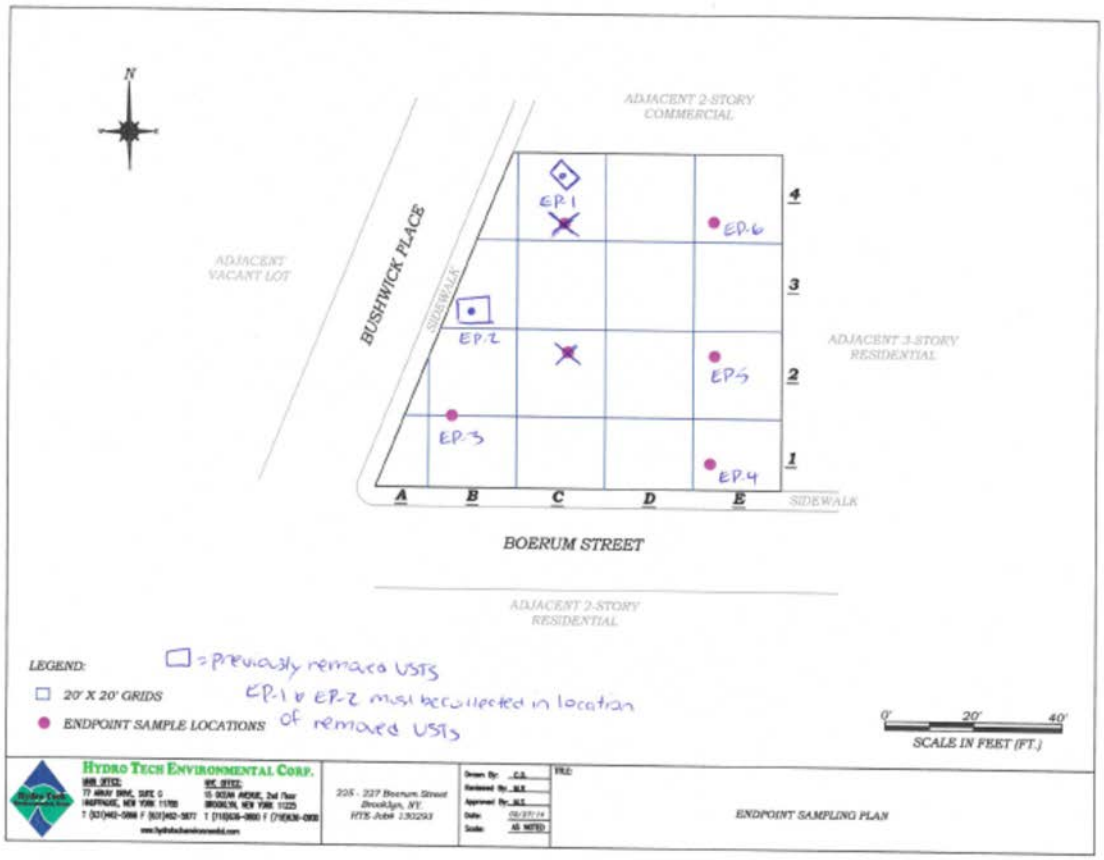
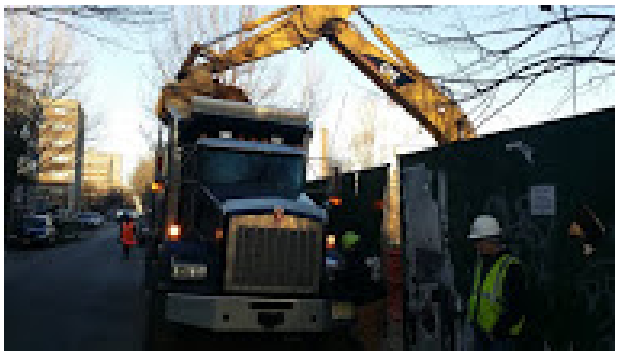


Photo Log

Photo 1-Truck being loaded with soil for disposal at P Park	
Photo 2– Precast pits	
Photo 3- Site view	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain	x	Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	3/17/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Removed 13 trucks of soil to P Park NJ – soil removed from sides.
Leveled site for compaction

Working In Grid #: Grid 4

Samples Collected (since last report): N/A

Air Monitoring:
Air monitoring was performed at the site. No anomalies were detected.
Prestart conditions – PID = 0.0 ppm, Dust = 0.008 mg/m3
High conditions – PID = 0.0 ppm, Dust = 0.031 mg/m3

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Removing 1 more truck to P Park
Next week: Begin building foundation

Facility # Name/ Location Type of Waste Solid Or Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Prospect Park NJ P Park NJ LLC Prospect Park, NJ Soil/Fill Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0	13	325
Total	1	25	25	600	12	300	75	1875

Site Grid Map

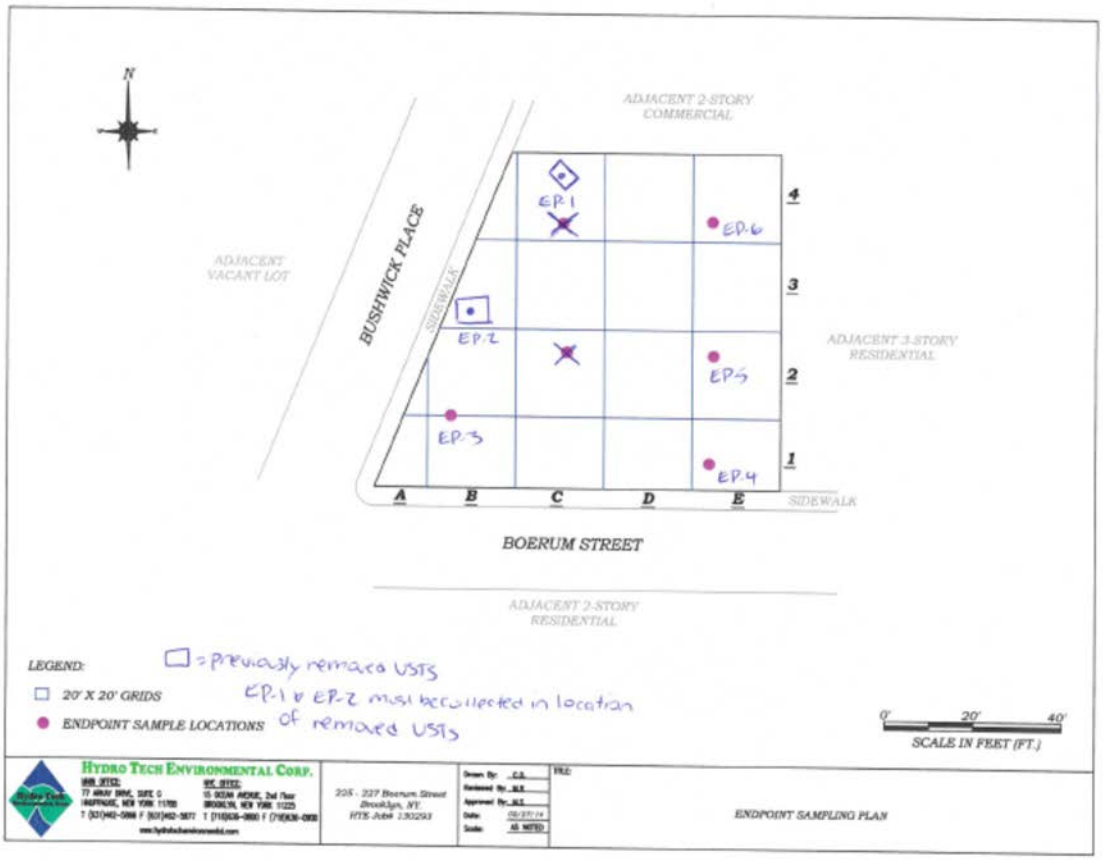


Photo Log

Photo 1-Truck being loaded with soil for disposal at P Park	
Photo 2– Reinforced sides of adjacent building	
Photo 3- Level compacted site view	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	3/18/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer: Morgan Violette Hydro Tech Environmental Corp
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Removed 1 truck of soil to P Park NJ – soil removal complete.
Leveled site for compaction

Working In Grid #: Grid 4

Samples Collected (since last report): N/A

Air Monitoring:
Air monitoring was performed at the site. No anomalies were detected.
Prestart conditions – PID = 0.0 ppm, Dust = 0.008 mg/m3
High conditions – PID = 0.0 ppm, Dust = 0.031 mg/m3

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Subgrade review
Next week: Begin building foundation

Facility # Name/ Location Type of Waste Solid Or Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Prospect Park NJ P Park NJ LLC Prospect Park, NJ Soil/Fill Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0	1	25
Total	1	25	25	600	12	300	76	1900

Site Grid Map

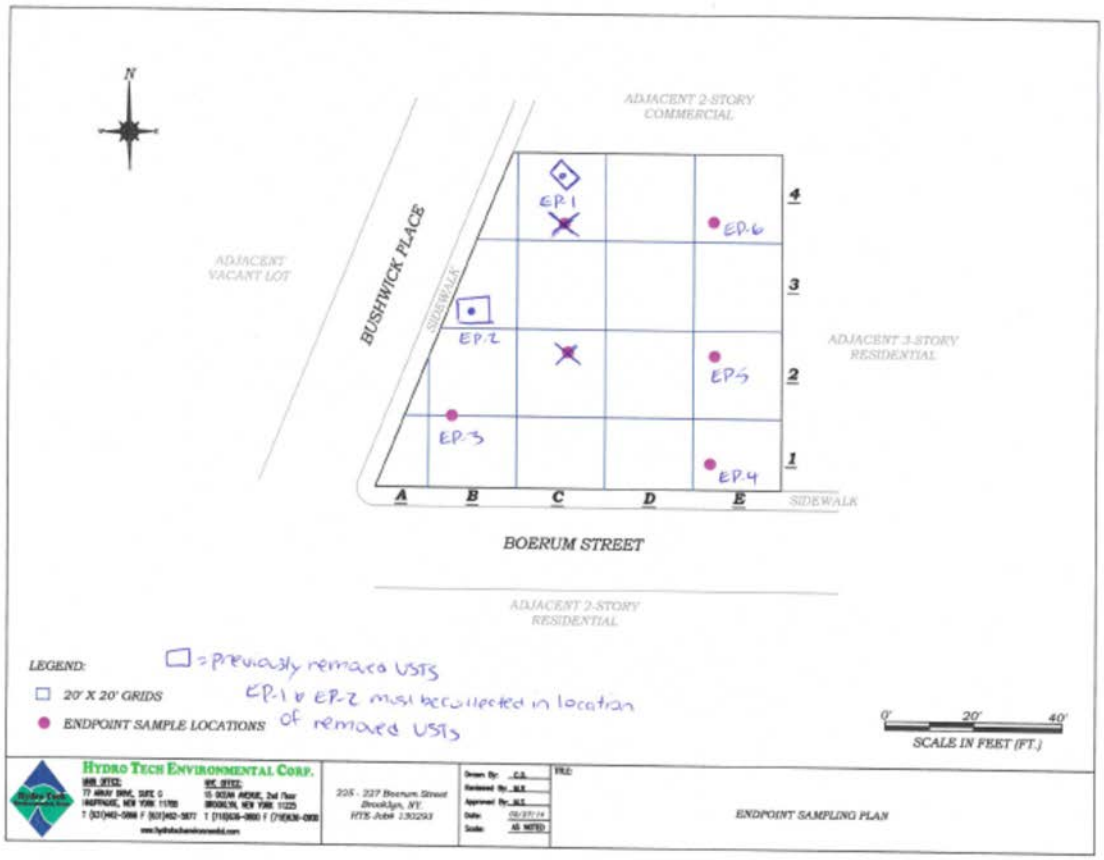
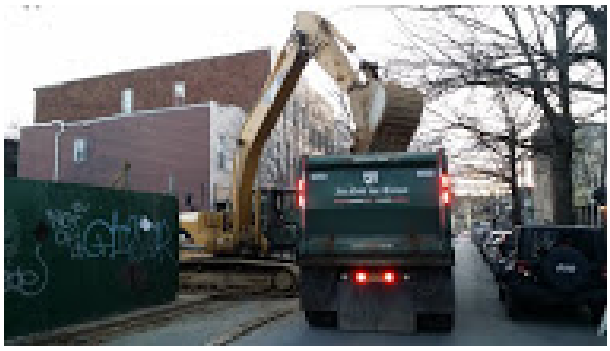


Photo Log

Photo 1-Truck being loaded with soil for disposal at P Park	
Photo 2– Final area to be excavated	
Photo 3- Level compacted site view	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	3/30/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer:
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Underground Plumbing Inspection by DOB – passed
Gravel brought to site, gravel spread and leveled
Open holes on Steel T's for future reinforcement

Working In Grid #: N/A

Samples Collected (since last report): N/A

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Graveling
Next week: Begin building foundation, begin vapor barrier installation

Facility # Name/ Location Type of Waste Solid Or Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Prospect Park NJ P Park NJ LLC Prospect Park, NJ Soil/Fill Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0	0	0
Total	1	25	25	600	12	300	76	1900

Site Grid Map

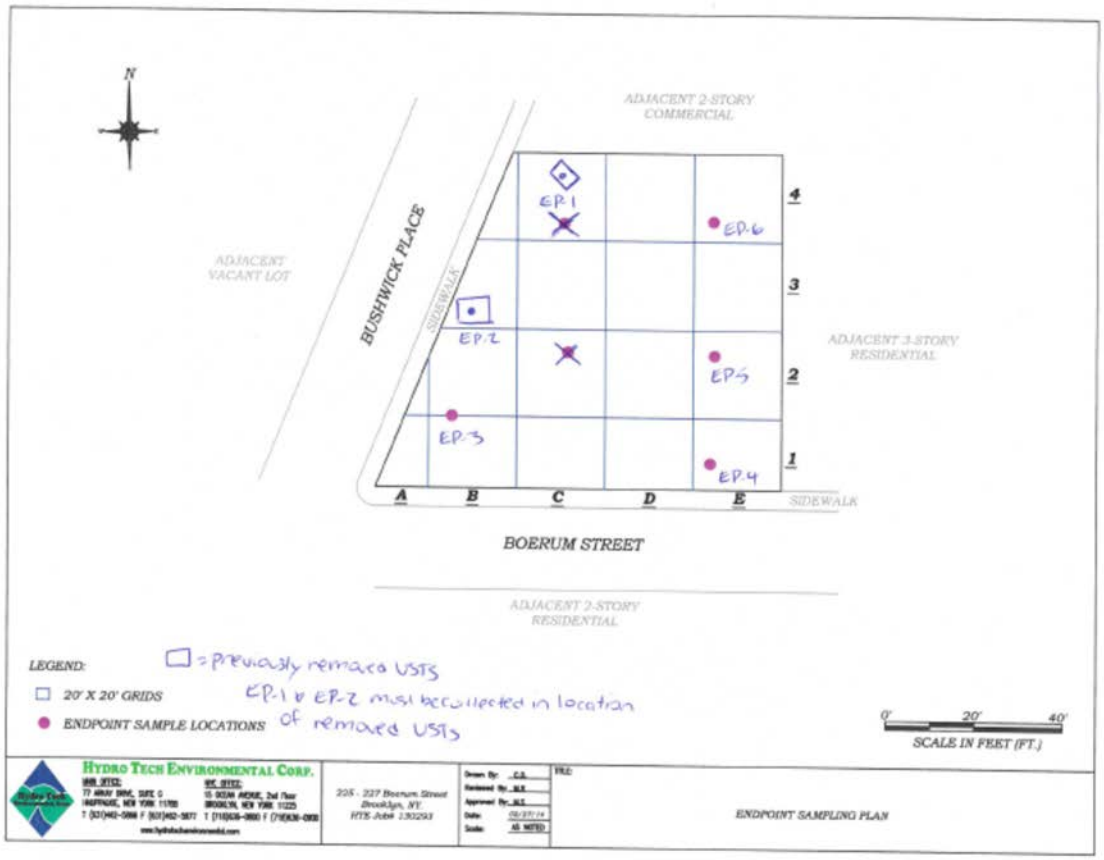


Photo Log

Photo 1-Side view	
Photo 2– Site being graveled	
Photo 3- Site graveled	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	3/31/15 – 4/6/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer:
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Installed drypack at underpinning
Rebar laid
Vapor barrier installed for under the mat and on lagging as per manufacturer's instructions
Installed bottom reinforcement of mat slab

Working In Grid #: N/A

Samples Collected (since last report): N/A

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Continue vapor barrier installation
Next week: Begin building foundation, continue vapor barrier installation

Facility # Name/ Location Type of Waste Solid Or Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Prospect Park NJ P Park NJ LLC Prospect Park, NJ Soil/Fill Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0	0	0
Total	1	25	25	600	12	300	76	1900

Site Grid Map

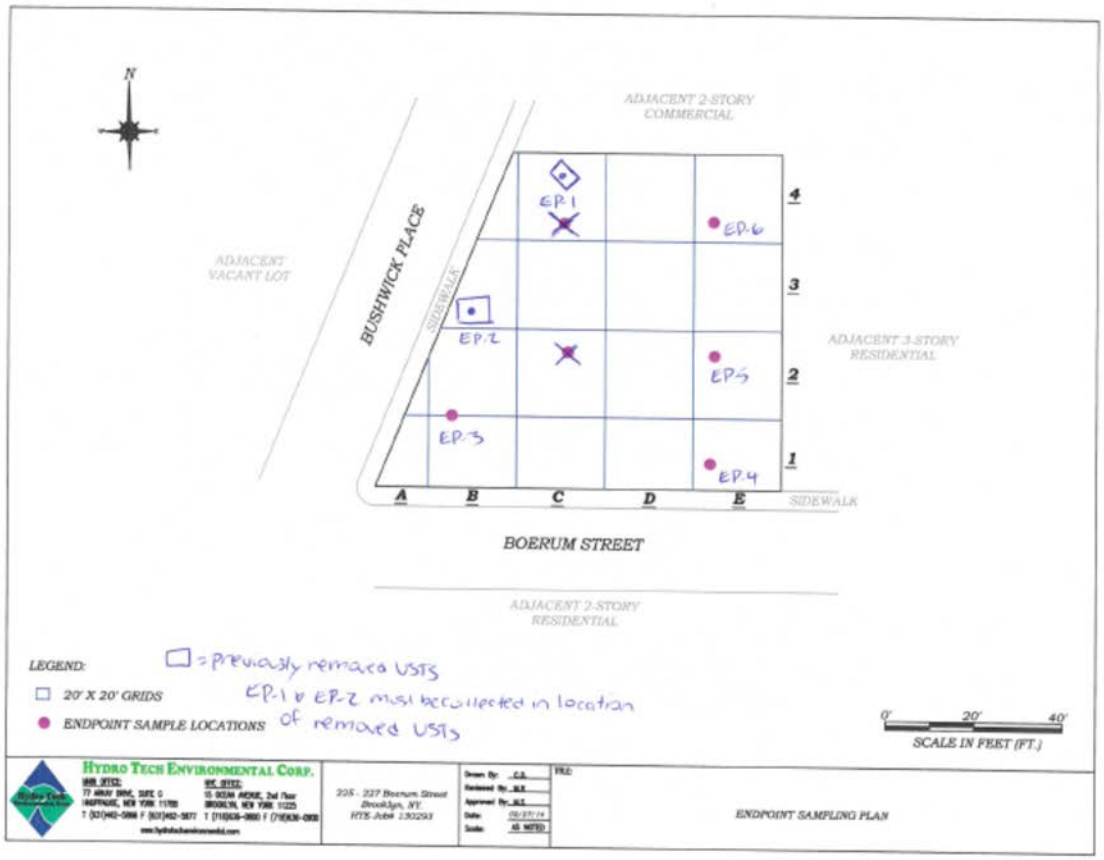


Photo Log

Photo 1-Vapor barrier taping	
Photo 2– Vapor barrier taping	
Photo 3- Vapor barrier installed, and rebar	

DAILY STATUS REPORT

Prepared By: Morgan Violette

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP221K	E-Number:	R-78	Date:	4/23/15 – 4/29/15
Project Name:	83 Bushwick Place / 225-227 Boerum Street, Brooklyn, NY				

Consultant: Morgan Violette Hydro Tech Environmental Corp	Safety Officer:
General Contractor: Mehmet Yanger Dynatec Contracting Inc.	Site Manager/ Supervisor: Carmen Cofrancesco Slate Property Group

Work Activities Performed (since last report):

Start formwork by detention tank
Vapor barrier inspection
Concrete poured and inspected at partial foundation walls and step footing
Demerara Engineering inspected the wall reinforcement

Working In Grid #: N/A

Samples Collected (since last report): N/A

Air Monitoring:
Air monitoring was not performed at the site.

Problems Encountered:
No problems were encountered.

Planned Activities for the Next Day/ Week:
Tomorrow: Rebar
Next week: Rebar and concrete

Facility # Name/ Location Type of Waste Solid Or Liquid	Clean Earth of North Jersey Kearny, NJ Hazardous Soil/fill Solid		Total Recycling Corp (TRC – Walnut Cut) Danielsville, PA Soil/Fill Solid		Former New Jersey Zinc – West Plant Palmerton, PA Soil/Fill Solid		Prospect Park NJ P Park NJ LLC Prospect Park, NJ Soil/Fill Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons
Today	0	0	0	0	0	0	0	0
Total	1	25	25	600	12	300	76	1900

Site Grid Map

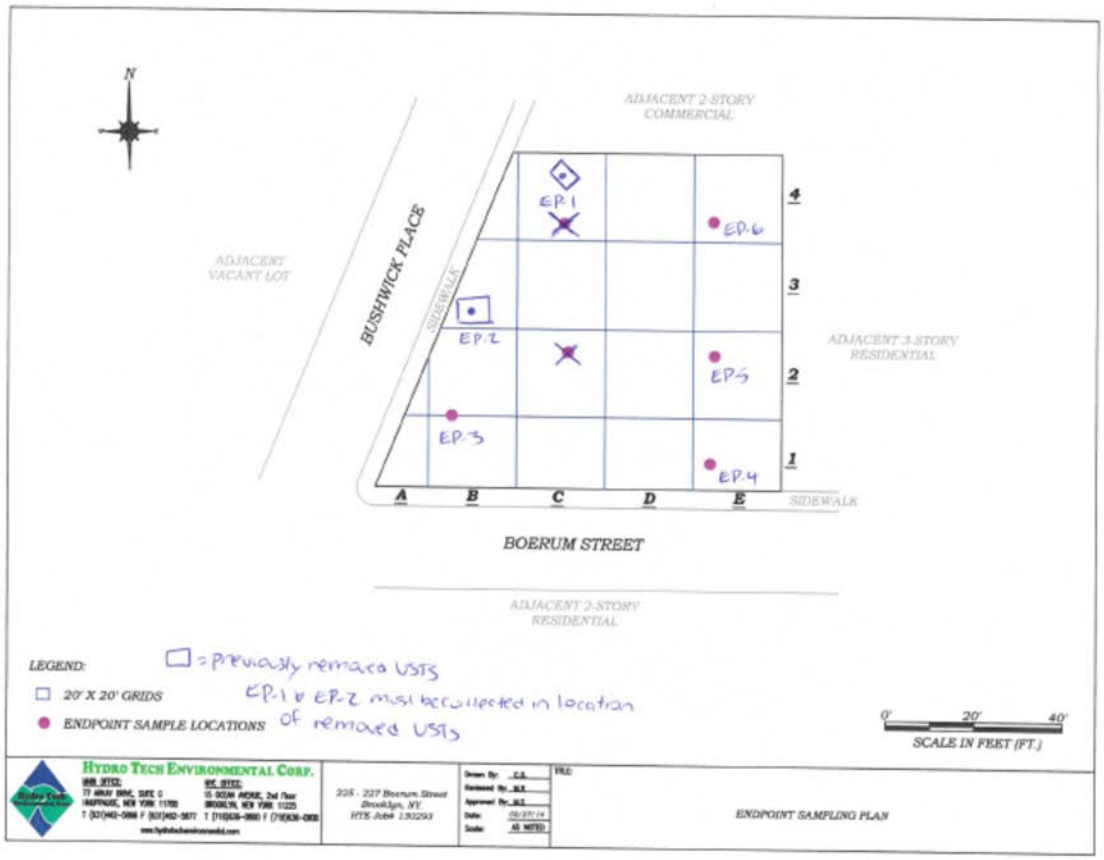
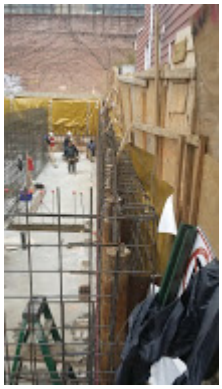


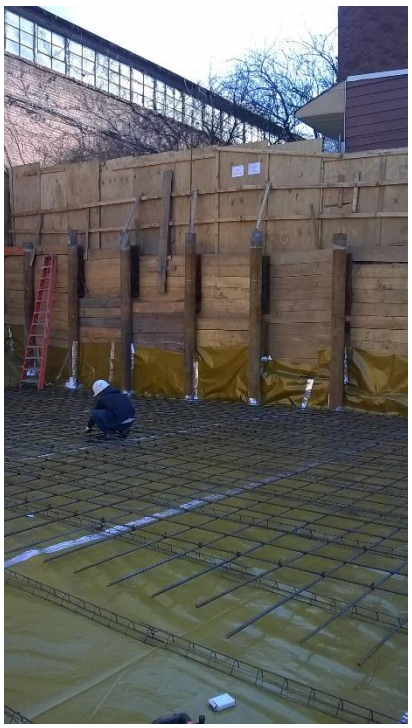
Photo Log

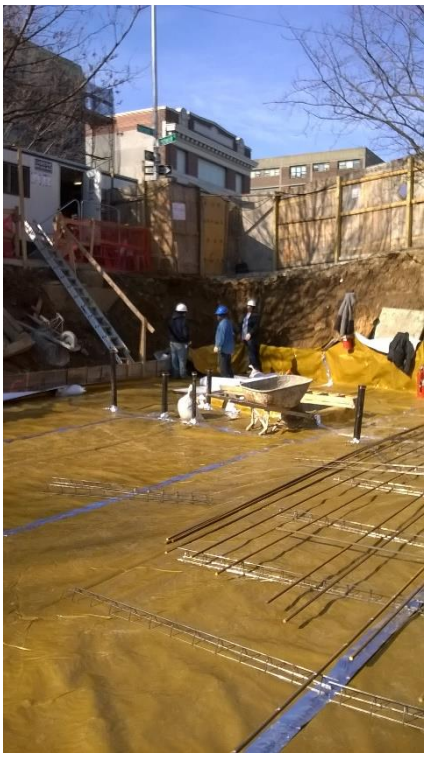
Photo 1-View of wall with rebar	
Photo 2– Vapor barrier	
Photo 3- Concrete pouring	

Appendix 4

Remedial Photographs

View of Site alterations, excavations and soil disposal





View of Vapor barrier installation beneath the cellar slab and foundations

Closure and Removal of 275 gallon UST

Closure and Removal of 550 gallon UST

Appendix 5

Tank Closure Documentation

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 28063

2. Page 1 of

3. Generator's Name and Mailing Address 83 Bushwick Pl Brooklyn, NY

4. Generator's Phone ( )

5. Transporter 1 Company Name Rapid Waste Disposal

6. US EPA ID Number NYR000076141

A. State Transporter's ID A-615

B. Transporter 1 Phone 516 963 093

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address Clean Water 3249 Richmond Terrace SI, NY

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone (718) 981-4600

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. #2 oil water MIX	01	TT	521	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Morgan Violette — Signature: [signature] — Date: Month 01 Day 23 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Damon Pamatat — Signature: [signature] — Date: Month 01 Day 23 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: William Jones — Signature: [signature] — Date: Month 2 Day 2 Year 15

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 28047

2. Page 1 of

3. Generator's Name and Mailing Address 83 Bushwick Pl Brooklyn, NY

4. Generator's Phone ( )

5. Transporter 1 Company Name Rapid Waste Disposal

6. US EPA ID Number NYR000076141

A. State Transporter's ID 14-615

B. Transporter 1 Phone 516 756 3093

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address [redacted] Clean Water 3249 Richmond Terrace SI, NY [redacted]

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone (718) 981-4600 [redacted]

11. WASTE DESCRIPTION

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. #2 oil Water Mix	01	TT	88	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name [illegible] Signature Date Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Damon Camafat Signature Date Month Day Year 01 07 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Date Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name William Tom Signature Date Month Day Year 1 7 15

NON-HAZARDOUS WASTE

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Rev. 3/95

140310

MERCURY TANK & PUMP SERVICE, INC.
233 NEVINS STREET
BROOKLYN, N.Y. 11217
(718) 624-7490

New York City Fire Dept.
Bureau of Fire Prevention
9 Metrotech
Brooklyn, N.Y. 11201

AFFIDAVIT

Re: 83 Bushwick Place Brooklyn; removal of two 275 gallon above ground #2 fuel oil tanks.

In accordance with FC3404-01, the permanent removal of two above ground 275 gallon #2 fuel storage tanks at 83 Bushwick Place Brooklyn has been completed.

- The contents of the tanks was completely removed
- The tanks were thoroughly cleaned and rendered free of combustible vapors
- All pipes were removed
- The fill port was removed
- The tanks were removed from the premises and legally disposed of
- This work was completed on 08, January 2015

Mark Salamack

New York City Underground Tank Installer (Certificate of License# 80151715, expires 16, June 2015)

LAMSALLE BEST JR.
Notary Public, State of New York
No. 24-0279100
Qualified in Queens County
Commission Expires March 30, 20

Sworn before me this 12 day of JAN 2015

Notary Public

MERCURY TANK & PUMP SERVICE, INC.

88 Cabot Road
Massapequa, N.Y. 11758

New York City Fire Department
Bureau of Fire Prevention
9 Metrotech
Brooklyn, N.Y. 11201

Re: 83 Bushwick Place Brooklyn; Permanent removal of one 550 gallon underground #2 fuel oil tank.

AFFIDAVIT

In accordance with FC 3404-01, the permanent decommissioning of one 550 underground #2 fuel oil tank at 83 Bushwick Place Brooklyn has been completed.

1) The contents of the tank were completely removed.
2) The tank was thoroughly cleaned and purged of combustible vapors.
3) All pipes were removed.
4) The fill box was removed.
5) The tank was taken from the ground and removed from the premises.
6) This work was completed on 23, January 2015

Sincerely

Mark Salamack
Underground Tank Installer
Certificate of License #80151715 (Expires 16, June 2018)

LAPSALLE BEST JR.
Notary Public, State of New York
No. 24-0279100
Qualified in Queens County
Commission Expires March 30, 2017

Sworn before me this 15 day of July ,2015

Notary Public

Appendix 6

OER Approval of Track 1 Cleanup Achievement

From: Morris, Samantha
To: Morgan Violette
Cc: Chawla, Shaminder
Subject: RE: Weekly report 3/31 to 4/6: 83 Bushwick Pl Brooklyn
Date: Monday, April 13, 2015 10:48:47 AM

Hi Morgan,

OK, thanks for the clarification. Based on the endpoint submitted, we have determined that the site qualifies as a Track 1 cleanup.

Sincerely,

Samantha Morris

Project Manager
Office of Environmental Remediation
100 Gold Street, 2nd Floor
New York, New York 10038
SMorris@dep.nyc.gov
(212) 341-2082

From: Morgan Violette [mailto:mviolette@hydrotechenvironmental.com]
Sent: Friday, April 10, 2015 8:47 AM
To: Morris, Samantha
Cc: Chawla, Shaminder
Subject: RE: Weekly report 3/31 to 4/6: 83 Bushwick Pl Brooklyn

Oh, that's from when we were figuring out where the extent of lead in Grid #1, which the disposal facility wanted. I'm not sure why that's in the endpoint sample Excel sheet, sorry about that.

How do the endpoint samples look for meeting Track 1?

From: Morris, Samantha [mailto:SMorris@dep.nyc.gov]
Sent: Thursday, April 9, 2015 5:11 PM
To: Morgan Violette
Cc: Chawla, Shaminder
Subject: RE: Weekly report 3/31 to 4/6: 83 Bushwick Pl Brooklyn

I am looking at the last worksheet on the excel document that is labeled pit test.

Sincerely,

Samantha Morris

Project Manager

Office of Environmental Remediation
100 Gold Street, 2nd Floor
New York, New York 10038
SMorris@dep.nyc.gov
(212) 341-2082

From: Morgan Violette [mailto:mviolette@hydrotechenvironmental.com]
Sent: Thursday, April 09, 2015 5:02 PM
To: Morris, Samantha
Subject: RE: Weekly report 3/31 to 4/6: 83 Bushwick Pl Brooklyn

Pit test? Not sure what you mean. We dug pits months ago to do the waste characterization and then figure out the extent of lead, if that's what you're referring to?

From: Morris, Samantha [mailto:SMorris@dep.nyc.gov]
Sent: Thursday, April 9, 2015 5:00 PM
To: Morgan Violette
Subject: RE: Weekly report 3/31 to 4/6: 83 Bushwick Pl Brooklyn

Hi Morgan,

Is the "pit test" representative of material left behind onsite?

Sincerely,

Samantha Morris

Project Manager
Office of Environmental Remediation
100 Gold Street, 2nd Floor
New York, New York 10038
SMorris@dep.nyc.gov
(212) 341-2082

From: Morgan Violette [mailto:mviolette@hydrotechenvironmental.com]
Sent: Tuesday, April 07, 2015 11:20 AM
To: Morris, Samantha
Subject: RE: Weekly report 3/31 to 4/6: 83 Bushwick Pl Brooklyn

I don't think so, here they are. How do they look?

From: Morris, Samantha [mailto:SMorris@dep.nyc.gov]
Sent: Tuesday, April 7, 2015 11:15 AM
To: Morgan Violette
Subject: RE: Weekly report 3/31 to 4/6: 83 Bushwick Pl Brooklyn

Thanks Morgan. Have you sent over all of the endpoint sample results yet?

Sincerely,

Samantha Morris

Project Manager
Office of Environmental Remediation
100 Gold Street, 2nd Floor
New York, New York 10038
SMorris@dep.nyc.gov
(212) 341-2082

From: Morgan Violette [mailto:mviolette@hydrotechenvironmental.com]
Sent: Tuesday, April 07, 2015 10:04 AM
To: Morris, Samantha
Subject: Weekly report 3/31 to 4/6: 83 Bushwick Pl Brooklyn

Samantha,
Attached is the weekly report for activities conducted at 83 Bushwick Pl. The vapor barrier installation began.

Thanks,
Morgan

Morgan Violette
Project Geologist

Hydro Tech Environmental, Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225
Tel: (718) 636-0800
Cell: (631) 406-3711
Fax: (718) 636-0900

Long Island Office:
77 Arkay Drive, Suite G
Hauppauge, NY 11788
Tel: (631) 462-5866
Fax: (631) 462-5877

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Appendix 7

Laboratory Analytical Packages for End Points

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

Report Date: 02/19/2015
Client Project ID: #140310 Bushwick Place Brooklyn, NY
York Project (SDG) No.: 15B0412

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 02/19/2015
Client Project ID: #140310 Bushwick Place Brooklyn, NY
York Project (SDG) No.: 15B0412

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 13, 2015 and listed below. The project was identified as your project: **#140310 Bushwick Place Brooklyn, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
15B0412-01	EP-1	Soil	02/12/2015	02/13/2015
15B0412-02	EP-2	Soil	02/12/2015	02/13/2015
15B0412-03	EP-3	Soil	02/12/2015	02/13/2015
15B0412-04	EP-4	Soil	02/12/2015	02/13/2015
15B0412-05	EP-5	Soil	02/12/2015	02/13/2015
15B0412-06	EP-6	Soil	02/12/2015	02/13/2015

General Notes for York Project (SDG) No.: 15B0412

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:

Date: 02/19/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **EP-1** **York Sample ID:** **15B0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	6200	12000	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
78-93-3	2-Butanone	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
67-64-1	Acetone	ND		ug/kg dry	310	620	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
71-43-2	Benzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
108-86-1	Bromobenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
75-25-2	Bromoform	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
74-83-9	Bromomethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK

Sample Information

Client Sample ID: **EP-1** **York Sample ID:** **15B0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
75-00-3	Chloroethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
67-66-3	Chloroform	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
74-87-3	Chloromethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
74-95-3	Dibromomethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
75-09-2	Methylene chloride	ND		ug/kg dry	310	620	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
91-20-3	Naphthalene	ND		ug/kg dry	150	620	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
95-47-6	o-Xylene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	310	620	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
100-42-5	Styrene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
108-88-3	Toluene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	460	930	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	150	310	100	EPA 8260C	02/16/2015 08:56	02/16/2015 14:25	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.9 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.5 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*85-120*

Sample Information

Client Sample ID: **EP-1** **York Sample ID:** **15B0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**252**		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
62-53-3	Aniline	ND		ug/kg dry	455	910	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
120-12-7	**Anthracene**	**330**		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
56-55-3	**Benzo(a)anthracene**	**510**		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
50-32-8	**Benzo(a)pyrene**	**389**		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
205-99-2	**Benzo(b)fluoranthene**	**310**		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
191-24-2	**Benzo(g,h,i)perylene**	**172**	J	ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
207-08-9	**Benzo(k)fluoranthene**	**409**		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
218-01-9	**Chrysene**	**508**		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
132-64-9	**Dibenzofuran**	**189**	J	ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	227	454	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	227	454	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH

Sample Information

Client Sample ID: **EP-1** **York Sample ID:** **15B0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
206-44-0	**Fluoranthene**	**1170**		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
86-73-7	**Fluorene**	**452**		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**196**	J	ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
78-59-1	Isophorone	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
91-20-3	Naphthalene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	227	454	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	227	454	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	227	454	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	227	454	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
86-30-6	**N-Nitrosodiphenylamine**	**995**		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
85-01-8	**Phenanthrene**	**1140**		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
108-95-2	Phenol	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
129-00-0	**Pyrene**	**868**		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
110-86-1	Pyridine	ND		ug/kg dry	455	910	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	114	227	5	EPA 8270D	02/17/2015 10:59	02/18/2015 14:29	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*58.5 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*63.4 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*66.9 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*55.2 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*63.4 %*	*10-106*

Sample Information

Client Sample ID: **EP-1** **York Sample ID:** **15B0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	*Surrogate: Terphenyl-d14*	*57.3 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
50-29-3	**4,4'-DDT**	**4.93**		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
309-00-2	Aldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
57-74-9	Chlordane, total	ND		ug/kg dry	71.9	71.9	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
72-20-8	Endrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.99	8.99	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW
8001-35-2	Toxaphene	ND		ug/kg dry	91.0	91.0	5	EPA 8081B	02/16/2015 14:08	02/18/2015 22:46	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*49.3 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*87.0 %*	*30-140*

Sample Information

Client Sample ID: **EP-1** **York Sample ID:** **15B0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	02/16/2015 14:08	02/18/2015 16:59	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	02/16/2015 14:08	02/18/2015 16:59	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	02/16/2015 14:08	02/18/2015 16:59	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	02/16/2015 14:08	02/18/2015 16:59	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	02/16/2015 14:08	02/18/2015 16:59	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	02/16/2015 14:08	02/18/2015 16:59	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	02/16/2015 14:08	02/18/2015 16:59	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	02/16/2015 14:08	02/18/2015 16:59	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*51.7 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*65.7 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7530**		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-36-0	Antimony	ND		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-38-2	**Arsenic**	**1.88**		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-39-3	**Barium**	**42.7**		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.327	0.327	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-70-2	**Calcium**	**1250**		mg/kg dry	0.545	5.45	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-47-3	**Chromium**	**15.3**		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-48-4	**Cobalt**	**6.46**		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-50-8	**Copper**	**19.8**		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7439-89-6	**Iron**	**20200**		mg/kg dry	2.18	2.18	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7439-92-1	**Lead**	**45.9**		mg/kg dry	0.327	0.327	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7439-95-4	**Magnesium**	**1580**		mg/kg dry	5.45	5.45	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7439-96-5	**Manganese**	**362**		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-02-0	**Nickel**	**13.9**		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-09-7	**Potassium**	**786**		mg/kg dry	5.45	5.45	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7782-49-2	**Selenium**	**3.07**		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-22-4	Silver	ND		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-23-5	**Sodium**	**58.1**		mg/kg dry	10.9	10.9	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW
7440-62-2	**Vanadium**	**25.8**		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW

Sample Information

Client Sample ID: **EP-1** **York Sample ID:** **15B0412-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**46.5**		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:37	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.159**		mg/kg dry	0.0327	0.0327	1	EPA 7473	02/16/2015 06:57	02/16/2015 09:57	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.8**		%	0.100	0.100	1	SM 2540G	02/16/2015 09:17	02/16/2015 13:37	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.381	0.545	1	EPA 7196A	02/19/2015 07:18	02/19/2015 14:43	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**15.3**		mg/kg	0.250	0.500	1	Calculation	02/19/2015 07:23	02/19/2015 14:47	SC

Sample Information

Client Sample ID: **EP-2** **York Sample ID:** **15B0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK

Sample Information

Client Sample ID: **EP-2** **York Sample ID:** **15B0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	61	120	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
78-93-3	2-Butanone	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
67-64-1	**Acetone**	**3.7**	SCAL-E, J	ug/kg dry	3.0	6.1	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
71-43-2	Benzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
75-25-2	Bromoform	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
74-83-9	Bromomethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
75-00-3	Chloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
67-66-3	Chloroform	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK

Sample Information

Client Sample ID: **EP-2** **York Sample ID:** **15B0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
74-95-3	Dibromomethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
75-09-2	Methylene chloride	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
91-20-3	Naphthalene	ND		ug/kg dry	1.5	6.1	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
95-47-6	o-Xylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
100-42-5	Styrene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
108-88-3	Toluene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.6	9.1	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:09	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.6 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*85-120*

Sample Information

Client Sample ID: **EP-2** **York Sample ID:** **15B0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
62-53-3	Aniline	ND		ug/kg dry	96.3	193	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
120-12-7	Anthracene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
218-01-9	Chrysene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	48.1	96.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	48.1	96.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH

Sample Information

Client Sample ID: **EP-2** **York Sample ID:** **15B0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
206-44-0	**Fluoranthene**	**44.6**	J	ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
86-73-7	Fluorene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
78-59-1	Isophorone	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
91-20-3	Naphthalene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	48.1	96.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	48.1	96.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	48.1	96.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	48.1	96.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
85-01-8	Phenanthrene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
108-95-2	Phenol	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
129-00-0	**Pyrene**	**35.8**	J	ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
110-86-1	Pyridine	ND		ug/kg dry	96.3	193	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	24.1	48.1	1	EPA 8270D	02/17/2015 10:59	02/18/2015 11:49	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*51.2 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*55.6 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*52.6 %*	*10-119*

Sample Information

Client Sample ID: **EP-2** **York Sample ID:** **15B0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.2 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*64.1 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*43.9 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
50-29-3	**4,4'-DDT**	**3.68**		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
309-00-2	Aldrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
57-74-9	Chlordane, total	ND		ug/kg dry	76.1	76.1	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
72-20-8	Endrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.52	9.52	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW
8001-35-2	Toxaphene	ND		ug/kg dry	96.3	96.3	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:16	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*74.9 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*115 %*	*30-140*

Sample Information

Client Sample ID: **EP-2** **York Sample ID:** **15B0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	02/16/2015 14:08	02/18/2015 17:58	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	02/16/2015 14:08	02/18/2015 17:58	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	02/16/2015 14:08	02/18/2015 17:58	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	02/16/2015 14:08	02/18/2015 17:58	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	02/16/2015 14:08	02/18/2015 17:58	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	02/16/2015 14:08	02/18/2015 17:58	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	02/16/2015 14:08	02/18/2015 17:58	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	02/16/2015 14:08	02/18/2015 17:58	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*69.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.1 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8520**		mg/kg dry	1.15	1.15	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-36-0	Antimony	ND		mg/kg dry	0.577	0.577	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-38-2	**Arsenic**	**2.71**		mg/kg dry	1.15	1.15	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-39-3	**Barium**	**51.6**		mg/kg dry	1.15	1.15	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.346	0.346	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-70-2	**Calcium**	**1470**		mg/kg dry	0.577	5.77	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-47-3	**Chromium**	**14.6**		mg/kg dry	0.577	0.577	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-48-4	**Cobalt**	**7.97**		mg/kg dry	0.577	0.577	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-50-8	**Copper**	**19.0**		mg/kg dry	0.577	0.577	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7439-89-6	**Iron**	**21200**		mg/kg dry	2.31	2.31	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7439-92-1	**Lead**	**27.1**		mg/kg dry	0.346	0.346	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7439-95-4	**Magnesium**	**1870**		mg/kg dry	5.77	5.77	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7439-96-5	**Manganese**	**604**		mg/kg dry	0.577	0.577	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-02-0	**Nickel**	**15.8**		mg/kg dry	0.577	0.577	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-09-7	**Potassium**	**749**		mg/kg dry	5.77	5.77	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7782-49-2	**Selenium**	**2.94**		mg/kg dry	1.15	1.15	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-22-4	Silver	ND		mg/kg dry	0.577	0.577	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-23-5	**Sodium**	**55.8**		mg/kg dry	11.5	11.5	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW
7440-62-2	**Vanadium**	**27.3**		mg/kg dry	1.15	1.15	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW

Sample Information

Client Sample ID: **EP-2** **York Sample ID:** **15B0412-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**43.4**		mg/kg dry	1.15	1.15	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:42	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0760**		mg/kg dry	0.0346	0.0346	1	EPA 7473	02/16/2015 06:57	02/16/2015 10:06	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.7**		%	0.100	0.100	1	SM 2540G	02/16/2015 09:17	02/16/2015 13:37	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.404	0.577	1	EPA 7196A	02/19/2015 07:18	02/19/2015 14:43	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**14.6**		mg/kg	0.250	0.500	1	Calculation	02/19/2015 07:23	02/19/2015 14:47	SC

Sample Information

Client Sample ID: **EP-3** **York Sample ID:** **15B0412-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK

Sample Information

Client Sample ID: **EP-3** **York Sample ID:** **15B0412-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	72	140	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
78-93-3	2-Butanone	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
67-64-1	Acetone	ND		ug/kg dry	3.6	7.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
71-43-2	Benzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
108-86-1	Bromobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
75-25-2	Bromoform	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
74-83-9	Bromomethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
75-00-3	Chloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
67-66-3	Chloroform	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK

Sample Information

Client Sample ID: **EP-3** **York Sample ID:** **15B0412-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
74-95-3	Dibromomethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
75-09-2	Methylene chloride	ND		ug/kg dry	3.6	7.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
91-20-3	Naphthalene	ND		ug/kg dry	1.8	7.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
95-47-6	o-Xylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.6	7.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
100-42-5	Styrene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
108-88-3	Toluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.4	11	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/16/2015 08:56	02/16/2015 15:53	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.2 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*85-120*

Sample Information

Client Sample ID: **EP-3** **York Sample ID:** **15B0412-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
62-53-3	Aniline	ND		ug/kg dry	94.2	188	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
120-12-7	Anthracene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
56-55-3	**Benzo(a)anthracene**	**58.7**		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
50-32-8	**Benzo(a)pyrene**	**49.6**		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
205-99-2	**Benzo(b)fluoranthene**	**36.5**	J	ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
191-24-2	**Benzo(g,h,i)perylene**	**34.2**	J	ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
207-08-9	**Benzo(k)fluoranthene**	**54.1**		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
218-01-9	**Chrysene**	**61.3**		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	47.0	94.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	47.0	94.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH

Sample Information

Client Sample ID: **EP-3** **York Sample ID:** **15B0412-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
206-44-0	**Fluoranthene**	**121**		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
86-73-7	Fluorene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**27.4**	J	ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
78-59-1	Isophorone	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
91-20-3	Naphthalene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	47.0	94.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	47.0	94.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	47.0	94.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	47.0	94.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
85-01-8	**Phenanthrene**	**84.2**		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
108-95-2	Phenol	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
129-00-0	**Pyrene**	**103**		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
110-86-1	Pyridine	ND		ug/kg dry	94.2	188	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	23.6	47.0	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:21	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*58.2 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*63.0 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*58.5 %*	*10-119*

Sample Information

Client Sample ID: **EP-3** **York Sample ID:** **15B0412-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*46.2 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*66.6 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*46.0 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
50-29-3	**4,4'-DDT**	**3.66**		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
309-00-2	Aldrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
57-74-9	Chlordane, total	ND		ug/kg dry	74.4	74.4	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
72-20-8	Endrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.31	9.31	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW
8001-35-2	Toxaphene	ND		ug/kg dry	94.2	94.2	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:32	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*66.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*101 %*	*30-140*

Sample Information

Client Sample ID: **EP-3** **York Sample ID:** **15B0412-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:27	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:27	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:27	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:27	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:27	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:27	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:27	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:27	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*66.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.1 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8040**		mg/kg dry	1.13	1.13	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-36-0	Antimony	ND		mg/kg dry	0.564	0.564	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-38-2	**Arsenic**	**1.95**		mg/kg dry	1.13	1.13	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-39-3	**Barium**	**50.4**		mg/kg dry	1.13	1.13	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.113	0.113	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.338	0.338	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-70-2	**Calcium**	**1150**		mg/kg dry	0.564	5.64	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-47-3	**Chromium**	**16.3**		mg/kg dry	0.564	0.564	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-48-4	**Cobalt**	**7.42**		mg/kg dry	0.564	0.564	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-50-8	**Copper**	**16.5**		mg/kg dry	0.564	0.564	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7439-89-6	**Iron**	**22200**		mg/kg dry	2.26	2.26	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7439-92-1	**Lead**	**32.2**		mg/kg dry	0.338	0.338	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7439-95-4	**Magnesium**	**1770**		mg/kg dry	5.64	5.64	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7439-96-5	**Manganese**	**560**		mg/kg dry	0.564	0.564	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-02-0	**Nickel**	**16.1**		mg/kg dry	0.564	0.564	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-09-7	**Potassium**	**757**		mg/kg dry	5.64	5.64	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7782-49-2	**Selenium**	**3.10**		mg/kg dry	1.13	1.13	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-22-4	Silver	ND		mg/kg dry	0.564	0.564	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-23-5	**Sodium**	**49.9**		mg/kg dry	11.3	11.3	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW
7440-62-2	**Vanadium**	**26.9**		mg/kg dry	1.13	1.13	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW

Sample Information

Client Sample ID: **EP-3** **York Sample ID:** **15B0412-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**42.8**		mg/kg dry	1.13	1.13	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:46	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0733**		mg/kg dry	0.0338	0.0338	1	EPA 7473	02/16/2015 06:57	02/16/2015 10:15	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.7**		%	0.100	0.100	1	SM 2540G	02/16/2015 09:17	02/16/2015 13:37	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.395	0.564	1	EPA 7196A	02/19/2015 07:18	02/19/2015 14:43	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**16.3**		mg/kg	0.250	0.500	1	Calculation	02/19/2015 07:23	02/19/2015 14:47	SC

Sample Information

Client Sample ID: **EP-4** **York Sample ID:** **15B0412-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK

Sample Information

Client Sample ID: **EP-4** **York Sample ID:** **15B0412-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	63	130	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
78-93-3	2-Butanone	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
67-64-1	**Acetone**	**5.0**	SCAL-E, J	ug/kg dry	3.2	6.3	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
71-43-2	Benzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
75-25-2	Bromoform	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
74-83-9	Bromomethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
75-00-3	Chloroethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
67-66-3	Chloroform	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK

Sample Information

Client Sample ID: **EP-4** **York Sample ID:** **15B0412-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
74-95-3	Dibromomethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
75-09-2	Methylene chloride	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
91-20-3	Naphthalene	ND		ug/kg dry	1.6	6.3	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
95-47-6	o-Xylene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
100-42-5	Styrene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
108-88-3	Toluene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.8	9.5	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	1.6	3.2	1	EPA 8260C	02/16/2015 08:56	02/16/2015 16:37	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.2 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*85-120*

Sample Information

Client Sample ID: **EP-4** **York Sample ID:** **15B0412-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
62-53-3	Aniline	ND		ug/kg dry	99.7	199	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
120-12-7	Anthracene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
218-01-9	Chrysene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	49.8	99.4	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	49.8	99.4	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH

Sample Information

Client Sample ID: **EP-4** **York Sample ID:** **15B0412-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
206-44-0	**Fluoranthene**	**44.2**	J	ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
86-73-7	Fluorene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
78-59-1	Isophorone	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
91-20-3	Naphthalene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	49.8	99.4	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	49.8	99.4	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	49.8	99.4	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	49.8	99.4	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
85-01-8	**Phenanthrene**	**28.2**	J	ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
108-95-2	Phenol	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
129-00-0	**Pyrene**	**40.2**	J	ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
110-86-1	Pyridine	ND		ug/kg dry	99.7	199	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	24.9	49.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 12:53	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*53.7 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*57.3 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*54.5 %*	*10-119*

Sample Information

Client Sample ID: **EP-4** **York Sample ID:** **15B0412-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*44.2 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*61.5 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*44.2 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
50-29-3	**4,4'-DDT**	**4.45**		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
309-00-2	Aldrin	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
57-74-9	Chlordane, total	ND		ug/kg dry	78.8	78.8	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
72-20-8	Endrin	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.97	1.97	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.85	9.85	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW
8001-35-2	Toxaphene	ND		ug/kg dry	99.7	99.7	5	EPA 8081B	02/16/2015 14:08	02/18/2015 23:47	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.7 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*115 %*	*30-140*

Sample Information

Client Sample ID: **EP-4** **York Sample ID:** **15B0412-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:57	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:57	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:57	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:57	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:57	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:57	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:57	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	0.0199	1	EPA 8082A	02/16/2015 14:08	02/18/2015 18:57	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*81.3 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*79.6 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**12200**		mg/kg dry	1.19	1.19	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-36-0	Antimony	ND		mg/kg dry	0.597	0.597	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-38-2	**Arsenic**	**2.89**		mg/kg dry	1.19	1.19	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-39-3	**Barium**	**62.7**		mg/kg dry	1.19	1.19	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.119	0.119	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.358	0.358	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-70-2	**Calcium**	**1730**		mg/kg dry	0.597	5.97	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-47-3	**Chromium**	**16.8**		mg/kg dry	0.597	0.597	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-48-4	**Cobalt**	**7.70**		mg/kg dry	0.597	0.597	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-50-8	**Copper**	**15.9**		mg/kg dry	0.597	0.597	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7439-89-6	**Iron**	**20600**		mg/kg dry	2.39	2.39	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7439-92-1	**Lead**	**29.9**		mg/kg dry	0.358	0.358	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7439-95-4	**Magnesium**	**2430**		mg/kg dry	5.97	5.97	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7439-96-5	**Manganese**	**386**		mg/kg dry	0.597	0.597	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-02-0	**Nickel**	**17.7**		mg/kg dry	0.597	0.597	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-09-7	**Potassium**	**767**		mg/kg dry	5.97	5.97	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7782-49-2	**Selenium**	**2.10**		mg/kg dry	1.19	1.19	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-22-4	Silver	ND		mg/kg dry	0.597	0.597	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-23-5	**Sodium**	**63.9**		mg/kg dry	11.9	11.9	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-28-0	Thallium	ND		mg/kg dry	1.19	1.19	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW
7440-62-2	**Vanadium**	**30.4**		mg/kg dry	1.19	1.19	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW

Sample Information

Client Sample ID: **EP-4** **York Sample ID:** **15B0412-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**45.1**		mg/kg dry	1.19	1.19	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:51	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0562**		mg/kg dry	0.0358	0.0358	1	EPA 7473	02/16/2015 06:57	02/16/2015 10:24	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.8**		%	0.100	0.100	1	SM 2540G	02/16/2015 09:17	02/16/2015 13:37	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.418	0.597	1	EPA 7196A	02/19/2015 07:18	02/19/2015 14:43	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**16.8**		mg/kg	0.250	0.500	1	Calculation	02/19/2015 07:23	02/19/2015 14:47	SC

Sample Information

Client Sample ID: **EP-5** **York Sample ID:** **15B0412-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK

Sample Information

Client Sample ID: **EP-5** **York Sample ID:** **15B0412-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	57	110	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
67-64-1	**Acetone**	**58**	CCV-E	ug/kg dry	5.7	11	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
71-43-2	Benzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK

Sample Information

Client Sample ID: **EP-5** **York Sample ID:** **15B0412-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.7	11	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.8	11	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.7	11	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
100-42-5	Styrene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
108-88-3	Toluene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.5	17	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/17/2015 08:12	02/17/2015 13:45	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*91.4 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.0 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.7 %*	*85-120*

Sample Information

Client Sample ID: **EP-5** **York Sample ID:** **15B0412-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
62-53-3	Aniline	ND		ug/kg dry	91.1	182	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
120-12-7	Anthracene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
218-01-9	**Chrysene**	**26.5**	J	ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	45.5	90.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	45.5	90.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH

Sample Information

Client Sample ID: **EP-5** **York Sample ID:** **15B0412-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
206-44-0	**Fluoranthene**	**42.2**	J	ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
86-73-7	Fluorene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
78-59-1	Isophorone	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
91-20-3	Naphthalene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	45.5	90.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	45.5	90.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	45.5	90.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	45.5	90.8	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
85-01-8	Phenanthrene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
108-95-2	Phenol	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
129-00-0	**Pyrene**	**35.3**	J	ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
110-86-1	Pyridine	ND		ug/kg dry	91.1	182	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	22.8	45.5	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:24	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*55.7 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*60.4 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*57.0 %*	*10-119*

Sample Information

Client Sample ID: **EP-5** **York Sample ID:** **15B0412-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*45.2 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*59.0 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*44.8 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
309-00-2	Aldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
57-74-9	Chlordane, total	ND		ug/kg dry	72.0	72.0	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
72-20-8	Endrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.00	9.00	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW
8001-35-2	Toxaphene	ND		ug/kg dry	91.1	91.1	5	EPA 8081B	02/16/2015 14:08	02/17/2015 19:41	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*99.9 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*130 %*	*30-140*

Sample Information

Client Sample ID: **EP-5** **York Sample ID:** **15B0412-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:26	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:26	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:26	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:26	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:26	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:26	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:26	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:26	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*74.4 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*77.6 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7310**		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-36-0	Antimony	ND		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-38-2	Arsenic	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-39-3	**Barium**	**28.2**		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.327	0.327	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-70-2	**Calcium**	**579**		mg/kg dry	0.545	5.45	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-47-3	**Chromium**	**8.75**		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-48-4	**Cobalt**	**5.82**		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-50-8	**Copper**	**11.5**		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7439-89-6	**Iron**	**12800**		mg/kg dry	2.18	2.18	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7439-92-1	**Lead**	**6.74**		mg/kg dry	0.327	0.327	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7439-95-4	**Magnesium**	**1730**		mg/kg dry	5.45	5.45	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7439-96-5	**Manganese**	**494**		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-02-0	**Nickel**	**12.4**		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-09-7	**Potassium**	**602**		mg/kg dry	5.45	5.45	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7782-49-2	**Selenium**	**1.70**		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-22-4	Silver	ND		mg/kg dry	0.545	0.545	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-23-5	**Sodium**	**41.4**		mg/kg dry	10.9	10.9	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW
7440-62-2	**Vanadium**	**13.7**		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW

Sample Information

Client Sample ID: EP-5 **York Sample ID:** 15B0412-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**18.9**		mg/kg dry	1.09	1.09	1	EPA 6010C	02/16/2015 14:10	02/16/2015 17:56	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0327	0.0327	1	EPA 7473	02/16/2015 06:57	02/16/2015 10:33	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.7**		%	0.100	0.100	1	SM 2540G	02/16/2015 09:17	02/16/2015 13:37	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.382	0.545	1	EPA 7196A	02/19/2015 07:18	02/19/2015 14:43	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**8.75**		mg/kg	0.250	0.500	1	Calculation	02/19/2015 07:23	02/19/2015 14:47	SC

Sample Information

Client Sample ID: EP-6 **York Sample ID:** 15B0412-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK

Sample Information

Client Sample ID: **EP-6** **York Sample ID:** **15B0412-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	36	71	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
78-93-3	2-Butanone	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
67-64-1	**Acetone**	**15**	CCV-E	ug/kg dry	3.6	7.1	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
71-43-2	Benzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
108-86-1	Bromobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
75-25-2	Bromoform	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
74-83-9	Bromomethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
75-00-3	Chloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
67-66-3	Chloroform	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK

Sample Information

Client Sample ID: **EP-6** **York Sample ID:** **15B0412-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
74-95-3	Dibromomethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
75-09-2	Methylene chloride	ND		ug/kg dry	3.6	7.1	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
91-20-3	Naphthalene	ND		ug/kg dry	1.8	7.1	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
95-47-6	o-Xylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.6	7.1	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
100-42-5	Styrene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
108-88-3	Toluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.3	11	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	02/17/2015 08:12	02/17/2015 14:21	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*90.9 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.1 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.5 %*	*85-120*

Sample Information

Client Sample ID: **EP-6** **York Sample ID:** **15B0412-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**117**		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
208-96-8	**Acenaphthylene**	**50.8**		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
62-53-3	Aniline	ND		ug/kg dry	93.5	187	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
120-12-7	**Anthracene**	**92.6**		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
56-55-3	**Benzo(a)anthracene**	**67.9**	CCV-E	ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
50-32-8	**Benzo(a)pyrene**	**54.5**		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
205-99-2	**Benzo(b)fluoranthene**	**42.2**	J	ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
191-24-2	**Benzo(g,h,i)perylene**	**29.1**	CCV-E, J	ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
207-08-9	**Benzo(k)fluoranthene**	**44.4**	J	ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
218-01-9	**Chrysene**	**66.8**		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
132-64-9	**Dibenzofuran**	**104**		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	46.7	93.3	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	46.7	93.3	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH

Sample Information

Client Sample ID: **EP-6** **York Sample ID:** **15B0412-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
206-44-0	**Fluoranthene**	**147**		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
86-73-7	**Fluorene**	**193**		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**31.0**	J	ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
78-59-1	Isophorone	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
91-20-3	Naphthalene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	46.7	93.3	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	46.7	93.3	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	46.7	93.3	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	46.7	93.3	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
85-01-8	**Phenanthrene**	**333**		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
108-95-2	Phenol	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
129-00-0	**Pyrene**	**125**		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
110-86-1	Pyridine	ND		ug/kg dry	93.5	187	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	23.4	46.7	1	EPA 8270D	02/17/2015 10:59	02/18/2015 13:57	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*58.1 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*61.4 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*62.4 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*50.4 %*	*10-114*

Sample Information

Client Sample ID: **EP-6** **York Sample ID:** **15B0412-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*48.4 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*42.5 %*			*10-123*						

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
50-29-3	**4,4'-DDT**	**2.44**		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
309-00-2	Aldrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
57-74-9	Chlordane, total	ND		ug/kg dry	73.9	73.9	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
72-20-8	Endrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.24	9.24	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW
8001-35-2	Toxaphene	ND		ug/kg dry	93.5	93.5	5	EPA 8081B	02/16/2015 14:08	02/19/2015 00:02	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*122 %*	*30-140*

Sample Information

Client Sample ID: **EP-6** **York Sample ID:** **15B0412-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:55	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:55	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:55	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:55	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:55	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:55	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:55	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A	02/16/2015 14:08	02/18/2015 19:55	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*59.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.1 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9170**		mg/kg dry	1.12	1.12	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-36-0	Antimony	ND		mg/kg dry	0.560	0.560	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-38-2	**Arsenic**	**1.87**		mg/kg dry	1.12	1.12	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-39-3	**Barium**	**46.5**		mg/kg dry	1.12	1.12	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.112	0.112	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.336	0.336	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-70-2	**Calcium**	**1210**		mg/kg dry	0.560	5.60	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-47-3	**Chromium**	**21.3**		mg/kg dry	0.560	0.560	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-48-4	**Cobalt**	**7.72**		mg/kg dry	0.560	0.560	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-50-8	**Copper**	**18.5**		mg/kg dry	0.560	0.560	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7439-89-6	**Iron**	**26400**		mg/kg dry	2.24	2.24	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7439-92-1	**Lead**	**18.4**		mg/kg dry	0.336	0.336	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7439-95-4	**Magnesium**	**2080**		mg/kg dry	5.60	5.60	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7439-96-5	**Manganese**	**504**		mg/kg dry	0.560	0.560	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-02-0	**Nickel**	**17.1**		mg/kg dry	0.560	0.560	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-09-7	**Potassium**	**994**		mg/kg dry	5.60	5.60	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7782-49-2	**Selenium**	**3.06**		mg/kg dry	1.12	1.12	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-22-4	Silver	ND		mg/kg dry	0.560	0.560	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-23-5	**Sodium**	**59.2**		mg/kg dry	11.2	11.2	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-28-0	Thallium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW
7440-62-2	**Vanadium**	**31.1**		mg/kg dry	1.12	1.12	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW

Sample Information

Client Sample ID: **EP-6** **York Sample ID:** **15B0412-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15B0412	#140310 Bushwick Place Brooklyn, NY	Soil	February 12, 2015 3:00 pm	02/13/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**38.7**		mg/kg dry	1.12	1.12	1	EPA 6010C	02/16/2015 14:10	02/16/2015 18:13	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0739**		mg/kg dry	0.0336	0.0336	1	EPA 7473	02/16/2015 06:57	02/16/2015 10:42	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.3**		%	0.100	0.100	1	SM 2540G	02/16/2015 09:17	02/16/2015 13:37	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.392	0.560	1	EPA 7196A	02/19/2015 07:18	02/19/2015 14:43	SC

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**21.3**		mg/kg	0.250	0.500	1	Calculation	02/19/2015 07:23	02/19/2015 14:47	SC

Analytical Batch Summary

Batch ID: BB50679 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15B0412-01	EP-1	02/16/15
15B0412-02	EP-2	02/16/15
15B0412-03	EP-3	02/16/15
15B0412-04	EP-4	02/16/15
15B0412-05	EP-5	02/16/15
15B0412-06	EP-6	02/16/15
BB50679-BLK1	Blank	02/16/15
BB50679-SRM1	Reference	02/16/15

Batch ID: BB50691 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
15B0412-01	EP-1	02/16/15
15B0412-02	EP-2	02/16/15
15B0412-03	EP-3	02/16/15
15B0412-04	EP-4	02/16/15
15B0412-05	EP-5	02/16/15
15B0412-06	EP-6	02/16/15

Batch ID: BB50700 **Preparation Method:** EPA 5035A **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
15B0412-01	EP-1	02/16/15
15B0412-02	EP-2	02/16/15
15B0412-03	EP-3	02/16/15
15B0412-04	EP-4	02/16/15
BB50700-BLK1	Blank	02/16/15
BB50700-BS1	LCS	02/16/15
BB50700-BSD1	LCS Dup	02/16/15

Batch ID: BB50706 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
15B0412-01	EP-1	02/16/15
15B0412-01	EP-1	02/16/15
15B0412-02	EP-2	02/16/15
15B0412-02	EP-2	02/16/15
15B0412-03	EP-3	02/16/15
15B0412-03	EP-3	02/16/15
15B0412-04	EP-4	02/16/15
15B0412-04	EP-4	02/16/15
15B0412-05	EP-5	02/16/15
15B0412-05	EP-5	02/16/15
15B0412-06	EP-6	02/16/15

15B0412-06	EP-6	02/16/15
BB50706-BLK1	Blank	02/16/15
BB50706-BLK1	Blank	02/16/15
BB50706-BS1	LCS	02/16/15
BB50706-BS2	LCS	02/16/15
BB50706-BSD1	LCS Dup	02/16/15
BB50706-BSD2	LCS Dup	02/16/15
BB50706-MS1	Matrix Spike	02/16/15
BB50706-MS2	Matrix Spike	02/16/15

Batch ID: BB50707 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
15B0412-01	EP-1	02/16/15
15B0412-02	EP-2	02/16/15
15B0412-03	EP-3	02/16/15
15B0412-04	EP-4	02/16/15
15B0412-05	EP-5	02/16/15
15B0412-06	EP-6	02/16/15
BB50707-BLK1	Blank	02/16/15
BB50707-DUP1	Duplicate	02/16/15
BB50707-MS1	Matrix Spike	02/16/15
BB50707-SRM1	Reference	02/16/15

Batch ID: BB50737 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
15B0412-01	EP-1	02/17/15
15B0412-02	EP-2	02/17/15
15B0412-03	EP-3	02/17/15
15B0412-04	EP-4	02/17/15
15B0412-05	EP-5	02/17/15
15B0412-06	EP-6	02/17/15
BB50737-BLK1	Blank	02/17/15
BB50737-BS1	LCS	02/17/15
BB50737-BSD1	LCS Dup	02/17/15

Batch ID: BB50742 **Preparation Method:** EPA 5035A **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
15B0412-05	EP-5	02/17/15
15B0412-06	EP-6	02/17/15
BB50742-BLK1	Blank	02/17/15
BB50742-BS1	LCS	02/17/15
BB50742-BSD1	LCS Dup	02/17/15

Batch ID: BB50847 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date

15B0412-01	EP-1	02/19/15
15B0412-02	EP-2	02/19/15
15B0412-03	EP-3	02/19/15
15B0412-04	EP-4	02/19/15
15B0412-05	EP-5	02/19/15
15B0412-06	EP-6	02/19/15
BB50847-BLK1	Blank	02/19/15
BB50847-DUP1	Duplicate	02/19/15
BB50847-MS1	Matrix Spike	02/19/15
BB50847-SRM1	Reference	02/19/15

Batch ID: BB50848 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
15B0412-01	EP-1	02/19/15
15B0412-02	EP-2	02/19/15
15B0412-03	EP-3	02/19/15
15B0412-04	EP-4	02/19/15
15B0412-05	EP-5	02/19/15
15B0412-06	EP-6	02/19/15

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50700 - EPA 5035A											
Blank (BB50700-BLK1)								Prepared & Analyzed: 02/16/2015			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50700 - EPA 5035A											
Blank (BB50700-BLK1)							Prepared & Analyzed: 02/16/2015				
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*52.5*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: p-Bromofluorobenzene	*47.0*		*"*	*50.0*		*94.0*	*76-130*				
Surrogate: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*85-120*				
LCS (BB50700-BS1)							Prepared & Analyzed: 02/16/2015				
1,1,1,2-Tetrachloroethane	57.6		ug/L	50.0		115	75-129				
1,1,1-Trichloroethane	55.7		"	50.0		111	71-137				
1,1,2,2-Tetrachloroethane	54.5		"	50.0		109	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55.8		"	50.0		112	58-146				
1,1,2-Trichloroethane	54.9		"	50.0		110	83-123				
1,1-Dichloroethane	56.6		"	50.0		113	75-130				
1,1-Dichloroethylene	59.0		"	50.0		118	64-137				
1,1-Dichloropropylene	53.4		"	50.0		107	77-127				
1,2,3-Trichlorobenzene	51.8		"	50.0		104	81-140				
1,2,3-Trichloropropane	55.1		"	50.0		110	81-126				
1,2,4-Trichlorobenzene	52.4		"	50.0		105	80-141				
1,2,4-Trimethylbenzene	54.5		"	50.0		109	84-125				
1,2-Dibromo-3-chloropropane	62.0		"	50.0		124	74-142				
1,2-Dibromoethane	55.7		"	50.0		111	86-123				
1,2-Dichlorobenzene	55.3		"	50.0		111	85-122				
1,2-Dichloroethane	56.5		"	50.0		113	71-133				
1,2-Dichloropropane	56.7		"	50.0		113	81-122				
1,3,5-Trimethylbenzene	53.4		"	50.0		107	82-126				
1,3-Dichlorobenzene	54.0		"	50.0		108	84-124				
1,3-Dichloropropane	54.9		"	50.0		110	83-123				
1,4-Dichlorobenzene	53.7		"	50.0		107	84-124				
1,4-Dioxane	2080		"	1000		208	10-228				
2,2-Dichloropropane	56.0		"	50.0		112	67-136				
2-Butanone	53.4		"	50.0		107	58-147				
2-Chlorotoluene	54.1		"	50.0		108	78-127				
4-Chlorotoluene	53.2		"	50.0		106	79-125				
Acetone	52.2		"	50.0		104	36-155				
Benzene	55.6		"	50.0		111	77-127				
Bromobenzene	53.3		"	50.0		107	77-129				
Bromochloromethane	53.6		"	50.0		107	74-129				
Bromodichloromethane	57.8		"	50.0		116	81-124				
Bromoform	57.2		"	50.0		114	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50700 - EPA 5035A											
LCS (BB50700-BS1)							Prepared & Analyzed: 02/16/2015				
Bromomethane	53.1		ug/L	50.0		106	32-177				
Carbon tetrachloride	59.3		"	50.0		119	66-143				
Chlorobenzene	56.0		"	50.0		112	86-120				
Chloroethane	56.7		"	50.0		113	51-142				
Chloroform	56.9		"	50.0		114	76-131				
Chloromethane	48.9		"	50.0		97.8	49-132				
cis-1,2-Dichloroethylene	53.0		"	50.0		106	74-132				
cis-1,3-Dichloropropylene	59.0		"	50.0		118	81-129				
Dibromochloromethane	57.7		"	50.0		115	10-200				
Dibromomethane	56.1		"	50.0		112	83-124				
Dichlorodifluoromethane	51.1		"	50.0		102	28-158				
Ethyl Benzene	54.5		"	50.0		109	84-125				
Hexachlorobutadiene	52.6		"	50.0		105	83-133				
Isopropylbenzene	56.0		"	50.0		112	81-127				
Methyl tert-butyl ether (MTBE)	55.3		"	50.0		111	74-131				
Methylene chloride	55.3		"	50.0		111	57-141				
Naphthalene	51.5		"	50.0		103	86-141				
n-Butylbenzene	53.6		"	50.0		107	80-130				
n-Propylbenzene	54.7		"	50.0		109	74-136				
o-Xylene	53.8		"	50.0		108	83-123				
p- & m- Xylenes	108		"	100		108	82-128				
p-Isopropyltoluene	54.4		"	50.0		109	85-125				
sec-Butylbenzene	55.6		"	50.0		111	83-125				
Styrene	57.2		"	50.0		114	86-126				
tert-Butylbenzene	54.2		"	50.0		108	80-127				
Tetrachloroethylene	53.6		"	50.0		107	80-129				
Toluene	54.5		"	50.0		109	85-121				
trans-1,2-Dichloroethylene	56.2		"	50.0		112	72-132				
trans-1,3-Dichloropropylene	59.0		"	50.0		118	78-132				
Trichloroethylene	55.8		"	50.0		112	84-123				
Trichlorofluoromethane	55.3		"	50.0		111	62-140				
Vinyl Chloride	54.0		"	50.0		108	52-130				
Vinyl acetate	50.7		"	50.0		101	67-136				
Surrogate: 1,2-Dichloroethane-d4	*52.3*		*"*	*50.0*		*105*	*77-125*				
Surrogate: p-Bromofluorobenzene	*49.0*		*"*	*50.0*		*98.0*	*76-130*				
Surrogate: Toluene-d8	*49.9*		*"*	*50.0*		*99.9*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50700 - EPA 5035A											
LCS Dup (BB50700-BSD1)							Prepared & Analyzed: 02/16/2015				
1,1,1,2-Tetrachloroethane	56.5		ug/L	50.0		113	75-129		2.03	30	
1,1,1-Trichloroethane	56.1		"	50.0		112	71-137		0.698	30	
1,1,2,2-Tetrachloroethane	55.1		"	50.0		110	79-129		1.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.6		"	50.0		109	58-146		2.21	30	
1,1,2-Trichloroethane	55.1		"	50.0		110	83-123		0.291	30	
1,1-Dichloroethane	57.1		"	50.0		114	75-130		0.933	30	
1,1-Dichloroethylene	57.0		"	50.0		114	64-137		3.48	30	
1,1-Dichloropropylene	52.9		"	50.0		106	77-127		0.941	30	
1,2,3-Trichlorobenzene	54.0		"	50.0		108	81-140		4.14	30	
1,2,3-Trichloropropane	56.8		"	50.0		114	81-126		3.14	30	
1,2,4-Trichlorobenzene	54.7		"	50.0		109	80-141		4.26	30	
1,2,4-Trimethylbenzene	56.7		"	50.0		113	84-125		3.81	30	
1,2-Dibromo-3-chloropropane	60.6		"	50.0		121	74-142		2.28	30	
1,2-Dibromoethane	55.3		"	50.0		111	86-123		0.684	30	
1,2-Dichlorobenzene	57.5		"	50.0		115	85-122		3.92	30	
1,2-Dichloroethane	57.4		"	50.0		115	71-133		1.54	30	
1,2-Dichloropropane	57.2		"	50.0		114	81-122		0.808	30	
1,3,5-Trimethylbenzene	57.5		"	50.0		115	82-126		7.29	30	
1,3-Dichlorobenzene	56.9		"	50.0		114	84-124		5.25	30	
1,3-Dichloropropane	53.7		"	50.0		107	83-123		2.06	30	
1,4-Dichlorobenzene	56.6		"	50.0		113	84-124		5.33	30	
1,4-Dioxane	2020		"	1000		202	10-228		2.90	30	
2,2-Dichloropropane	55.3		"	50.0		111	67-136		1.29	30	
2-Butanone	49.4		"	50.0		98.8	58-147		7.88	30	
2-Chlorotoluene	56.1		"	50.0		112	78-127		3.56	30	
4-Chlorotoluene	56.1		"	50.0		112	79-125		5.22	30	
Acetone	43.4		"	50.0		86.8	36-155		18.5	30	
Benzene	55.1		"	50.0		110	77-127		0.885	30	
Bromobenzene	57.0		"	50.0		114	77-129		6.63	30	
Bromochloromethane	51.4		"	50.0		103	74-129		4.19	30	
Bromodichloromethane	57.4		"	50.0		115	81-124		0.608	30	
Bromoform	59.2		"	50.0		118	80-136		3.42	30	
Bromomethane	51.8		"	50.0		104	32-177		2.40	30	
Carbon tetrachloride	59.0		"	50.0		118	66-143		0.659	30	
Chlorobenzene	56.4		"	50.0		113	86-120		0.819	30	
Chloroethane	55.0		"	50.0		110	51-142		2.97	30	
Chloroform	57.4		"	50.0		115	76-131		0.962	30	
Chloromethane	48.9		"	50.0		97.7	49-132		0.0614	30	
cis-1,2-Dichloroethylene	54.1		"	50.0		108	74-132		1.94	30	
cis-1,3-Dichloropropylene	60.3		"	50.0		121	81-129		2.25	30	
Dibromochloromethane	57.8		"	50.0		116	10-200		0.138	30	
Dibromomethane	54.4		"	50.0		109	83-124		3.01	30	
Dichlorodifluoromethane	49.0		"	50.0		98.0	28-158		4.22	30	
Ethyl Benzene	54.6		"	50.0		109	84-125		0.183	30	
Hexachlorobutadiene	55.8		"	50.0		112	83-133		5.98	30	
Isopropylbenzene	57.7		"	50.0		115	81-127		2.99	30	
Methyl tert-butyl ether (MTBE)	52.8		"	50.0		106	74-131		4.62	30	
Methylene chloride	53.6		"	50.0		107	57-141		3.05	30	
Naphthalene	52.2		"	50.0		104	86-141		1.33	30	
n-Butylbenzene	55.6		"	50.0		111	80-130		3.57	30	
n-Propylbenzene	56.9		"	50.0		114	74-136		4.05	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50700 - EPA 5035A											
LCS Dup (BB50700-BSD1)								Prepared & Analyzed: 02/16/2015			
o-Xylene	56.4		ug/L	50.0		113	83-123		4.68	30	
p- & m- Xylenes	109		"	100		109	82-128		0.221	30	
p-Isopropyltoluene	58.1		"	50.0		116	85-125		6.65	30	
sec-Butylbenzene	57.9		"	50.0		116	83-125		4.00	30	
Styrene	57.9		"	50.0		116	86-126		1.08	30	
tert-Butylbenzene	59.0		"	50.0		118	80-127		8.60	30	
Tetrachloroethylene	53.3		"	50.0		107	80-129		0.655	30	
Toluene	55.0		"	50.0		110	85-121		0.859	30	
trans-1,2-Dichloroethylene	56.7		"	50.0		113	72-132		0.797	30	
trans-1,3-Dichloropropylene	57.6		"	50.0		115	78-132		2.39	30	
Trichloroethylene	56.7		"	50.0		113	84-123		1.51	30	
Trichlorofluoromethane	55.8		"	50.0		112	62-140		0.882	30	
Vinyl Chloride	53.8		"	50.0		108	52-130		0.352	30	
Vinyl acetate	49.6		"	50.0		99.2	67-136		2.23	30	
Surrogate: 1,2-Dichloroethane-d4	*48.8*		*"*	*50.0*		*97.7*	*77-125*				
Surrogate: p-Bromofluorobenzene	*49.5*		*"*	*50.0*		*99.1*	*76-130*				
Surrogate: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				
Batch BB50742 - EPA 5035A											
Blank (BB50742-BLK1)								Prepared & Analyzed: 02/17/2015			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50742 - EPA 5035A											
Blank (BB50742-BLK1)								Prepared & Analyzed: 02/17/2015			
Bromoform	ND	5.0	ug/kg wet								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*46.2*		*ug/L*	*50.0*		*92.5*	*77-125*				
Surrogate: p-Bromofluorobenzene	*52.1*		*"*	*50.0*		*104*	*76-130*				
Surrogate: Toluene-d8	*49.5*		*"*	*50.0*		*98.9*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50742 - EPA 5035A											
LCS (BB50742-BS1)							Prepared & Analyzed: 02/17/2015				
1,1,1,2-Tetrachloroethane	45.2		ug/L	50.0		90.4	75-129				
1,1,1-Trichloroethane	47.1		"	50.0		94.2	71-137				
1,1,2,2-Tetrachloroethane	46.6		"	50.0		93.2	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41.9		"	50.0		83.8	58-146				
1,1,2-Trichloroethane	44.4		"	50.0		88.9	83-123				
1,1-Dichloroethane	44.6		"	50.0		89.2	75-130				
1,1-Dichloroethylene	38.9		"	50.0		77.8	64-137				
1,1-Dichloropropylene	44.4		"	50.0		88.7	77-127				
1,2,3-Trichlorobenzene	63.0		"	50.0		126	81-140				
1,2,3-Trichloropropane	46.8		"	50.0		93.7	81-126				
1,2,4-Trichlorobenzene	61.4		"	50.0		123	80-141				
1,2,4-Trimethylbenzene	48.4		"	50.0		96.8	84-125				
1,2-Dibromo-3-chloropropane	47.0		"	50.0		93.9	74-142				
1,2-Dibromoethane	48.0		"	50.0		96.1	86-123				
1,2-Dichlorobenzene	47.8		"	50.0		95.6	85-122				
1,2-Dichloroethane	45.0		"	50.0		89.9	71-133				
1,2-Dichloropropane	40.9		"	50.0		81.9	81-122				
1,3,5-Trimethylbenzene	47.0		"	50.0		94.1	82-126				
1,3-Dichlorobenzene	48.2		"	50.0		96.4	84-124				
1,3-Dichloropropane	44.2		"	50.0		88.5	83-123				
1,4-Dichlorobenzene	49.2		"	50.0		98.3	84-124				
1,4-Dioxane	1150		"	1000		115	10-228				
2,2-Dichloropropane	46.8		"	50.0		93.5	67-136				
2-Butanone	66.4		"	50.0		133	58-147				
2-Chlorotoluene	44.8		"	50.0		89.7	78-127				
4-Chlorotoluene	46.4		"	50.0		92.8	79-125				
Acetone	69.9		"	50.0		140	36-155				
Benzene	47.0		"	50.0		93.9	77-127				
Bromobenzene	43.6		"	50.0		87.2	77-129				
Bromochloromethane	43.2		"	50.0		86.3	74-129				
Bromodichloromethane	42.7		"	50.0		85.5	81-124				
Bromoform	46.2		"	50.0		92.3	80-136				
Bromomethane	30.6		"	50.0		61.1	32-177				
Carbon tetrachloride	47.1		"	50.0		94.3	66-143				
Chlorobenzene	46.4		"	50.0		92.7	86-120				
Chloroethane	32.8		"	50.0		65.5	51-142				
Chloroform	46.6		"	50.0		93.2	76-131				
Chloromethane	35.1		"	50.0		70.3	49-132				
cis-1,2-Dichloroethylene	50.5		"	50.0		101	74-132				
cis-1,3-Dichloropropylene	45.2		"	50.0		90.5	81-129				
Dibromochloromethane	46.4		"	50.0		92.7	10-200				
Dibromomethane	43.9		"	50.0		87.8	83-124				
Dichlorodifluoromethane	35.1		"	50.0		70.2	28-158				
Ethyl Benzene	44.4		"	50.0		88.7	84-125				
Hexachlorobutadiene	49.7		"	50.0		99.4	83-133				
Isopropylbenzene	47.1		"	50.0		94.2	81-127				
Methyl tert-butyl ether (MTBE)	47.4		"	50.0		94.8	74-131				
Methylene chloride	44.7		"	50.0		89.3	57-141				
Naphthalene	56.8		"	50.0		114	86-141				
n-Butylbenzene	50.9		"	50.0		102	80-130				
n-Propylbenzene	45.6		"	50.0		91.1	74-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50742 - EPA 5035A											
LCS (BB50742-BS1)							Prepared & Analyzed: 02/17/2015				
o-Xylene	44.3		ug/L	50.0		88.6	83-123				
p- & m- Xylenes	90.8		"	100		90.8	82-128				
p-Isopropyltoluene	49.1		"	50.0		98.2	85-125				
sec-Butylbenzene	47.5		"	50.0		95.1	83-125				
Styrene	48.3		"	50.0		96.6	86-126				
tert-Butylbenzene	47.9		"	50.0		95.9	80-127				
Tetrachloroethylene	43.1		"	50.0		86.3	80-129				
Toluene	44.4		"	50.0		88.8	85-121				
trans-1,2-Dichloroethylene	44.4		"	50.0		88.7	72-132				
trans-1,3-Dichloropropylene	44.3		"	50.0		88.6	78-132				
Trichloroethylene	44.9		"	50.0		89.8	84-123				
Trichlorofluoromethane	42.8		"	50.0		85.6	62-140				
Vinyl Chloride	32.2		"	50.0		64.4	52-130				
Vinyl acetate	42.3		"	50.0		84.7	67-136				
Surrogate: 1,2-Dichloroethane-d4	*47.9*		*"*	*50.0*		*95.8*	*77-125*				
Surrogate: p-Bromofluorobenzene	*50.3*		*"*	*50.0*		*101*	*76-130*				
Surrogate: Toluene-d8	*48.7*		*"*	*50.0*		*97.5*	*85-120*				
LCS Dup (BB50742-BSD1)							Prepared & Analyzed: 02/17/2015				
1,1,1,2-Tetrachloroethane	51.2		ug/L	50.0		102	75-129		12.4	30	
1,1,1-Trichloroethane	53.0		"	50.0		106	71-137		11.9	30	
1,1,2,2-Tetrachloroethane	51.8		"	50.0		104	79-129		10.6	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.9		"	50.0		93.8	58-146		11.2	30	
1,1,2-Trichloroethane	51.4		"	50.0		103	83-123		14.6	30	
1,1-Dichloroethane	51.4		"	50.0		103	75-130		14.3	30	
1,1-Dichloroethylene	44.3		"	50.0		88.7	64-137		13.0	30	
1,1-Dichloropropylene	51.5		"	50.0		103	77-127		14.9	30	
1,2,3-Trichlorobenzene	69.1		"	50.0		138	81-140		9.28	30	
1,2,3-Trichloropropane	51.8		"	50.0		104	81-126		10.1	30	
1,2,4-Trichlorobenzene	70.0		"	50.0		140	80-141		13.1	30	
1,2,4-Trimethylbenzene	54.5		"	50.0		109	84-125		11.9	30	
1,2-Dibromo-3-chloropropane	52.3		"	50.0		105	74-142		10.8	30	
1,2-Dibromoethane	53.2		"	50.0		106	86-123		10.2	30	
1,2-Dichlorobenzene	53.0		"	50.0		106	85-122		10.3	30	
1,2-Dichloroethane	49.8		"	50.0		99.6	71-133		10.2	30	
1,2-Dichloropropane	47.2		"	50.0		94.3	81-122		14.2	30	
1,3,5-Trimethylbenzene	53.7		"	50.0		107	82-126		13.3	30	
1,3-Dichlorobenzene	54.1		"	50.0		108	84-124		11.6	30	
1,3-Dichloropropane	50.5		"	50.0		101	83-123		13.1	30	
1,4-Dichlorobenzene	55.1		"	50.0		110	84-124		11.4	30	
1,4-Dioxane	1200		"	1000		120	10-228		4.44	30	
2,2-Dichloropropane	53.0		"	50.0		106	67-136		12.5	30	
2-Butanone	62.7		"	50.0		125	58-147		5.80	30	
2-Chlorotoluene	50.8		"	50.0		102	78-127		12.5	30	
4-Chlorotoluene	50.3		"	50.0		101	79-125		8.05	30	
Acetone	66.0		"	50.0		132	36-155		5.70	30	
Benzene	53.6		"	50.0		107	77-127		13.2	30	
Bromobenzene	49.3		"	50.0		98.6	77-129		12.3	30	
Bromochloromethane	48.6		"	50.0		97.1	74-129		11.7	30	
Bromodichloromethane	48.8		"	50.0		97.5	81-124		13.2	30	
Bromoform	51.3		"	50.0		103	80-136		10.6	30	
Bromomethane	43.8		"	50.0		87.5	32-177		35.5	30	Non-dir.

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50742 - EPA 5035A											
LCS Dup (BB50742-BSD1)							Prepared & Analyzed: 02/17/2015				
Carbon tetrachloride	54.5		ug/L	50.0		109	66-143		14.4	30	
Chlorobenzene	52.9		"	50.0		106	86-120		13.1	30	
Chloroethane	41.4		"	50.0		82.8	51-142		23.2	30	
Chloroform	53.2		"	50.0		106	76-131		13.2	30	
Chloromethane	39.9		"	50.0		79.8	49-132		12.7	30	
cis-1,2-Dichloroethylene	56.5		"	50.0		113	74-132		11.2	30	
cis-1,3-Dichloropropylene	52.4		"	50.0		105	81-129		14.7	30	
Dibromochloromethane	54.2		"	50.0		108	10-200		15.6	30	
Dibromomethane	49.8		"	50.0		99.7	83-124		12.7	30	
Dichlorodifluoromethane	39.8		"	50.0		79.6	28-158		12.4	30	
Ethyl Benzene	51.1		"	50.0		102	84-125		14.1	30	
Hexachlorobutadiene	55.6		"	50.0		111	83-133		11.1	30	
Isopropylbenzene	52.3		"	50.0		105	81-127		10.4	30	
Methyl tert-butyl ether (MTBE)	53.8		"	50.0		108	74-131		12.6	30	
Methylene chloride	51.2		"	50.0		102	57-141		13.6	30	
Naphthalene	65.1		"	50.0		130	86-141		13.5	30	
n-Butylbenzene	57.9		"	50.0		116	80-130		12.9	30	
n-Propylbenzene	51.7		"	50.0		103	74-136		12.7	30	
o-Xylene	51.2		"	50.0		102	83-123		14.5	30	
p- & m- Xylenes	103		"	100		103	82-128		12.9	30	
p-Isopropyltoluene	55.2		"	50.0		110	85-125		11.6	30	
sec-Butylbenzene	53.4		"	50.0		107	83-125		11.7	30	
Styrene	55.5		"	50.0		111	86-126		13.9	30	
tert-Butylbenzene	52.3		"	50.0		105	80-127		8.70	30	
Tetrachloroethylene	47.7		"	50.0		95.4	80-129		10.1	30	
Toluene	50.9		"	50.0		102	85-121		13.6	30	
trans-1,2-Dichloroethylene	50.8		"	50.0		102	72-132		13.6	30	
trans-1,3-Dichloropropylene	50.3		"	50.0		101	78-132		12.7	30	
Trichloroethylene	51.5		"	50.0		103	84-123		13.6	30	
Trichlorofluoromethane	48.0		"	50.0		96.0	62-140		11.4	30	
Vinyl Chloride	42.8		"	50.0		85.7	52-130		28.3	30	
Vinyl acetate	49.2		"	50.0		98.4	67-136		15.0	30	
Surrogate: 1,2-Dichloroethane-d4	*48.3*		*"*	*50.0*		*96.7*	*77-125*				
Surrogate: p-Bromofluorobenzene	*50.0*		*"*	*50.0*		*100*	*76-130*				
Surrogate: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50737 - EPA 3550C											
Blank (BB50737-BLK1)								Prepared: 02/17/2015 Analyzed: 02/18/2015			
Acenaphthene	ND	41.7	ug/kg wet								
Acenaphthylene	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
1,2-Dichlorobenzene	ND	41.7	"								
3,3'-Dichlorobenzidine	ND	41.7	"								
2,4-Dichlorophenol	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
Naphthalene	ND	41.7	"								
3-Nitroaniline	ND	83.3	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50737 - EPA 3550C											
Blank (BB50737-BLK1)								Prepared: 02/17/2015 Analyzed: 02/18/2015			
2-Nitroaniline	ND	83.3	ug/kg wet								
4-Nitroaniline	ND	83.3	"								
Nitrobenzene	ND	41.7	"								
2-Nitrophenol	ND	41.7	"								
4-Nitrophenol	ND	83.3	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
2,4,5-Trichlorophenol	ND	41.7	"								
Surrogate: 2-Fluorophenol	*1570*		*"*	*2510*		*62.8*	*10-99*				
Surrogate: Phenol-d5	*1640*		*"*	*2510*		*65.4*	*10-108*				
Surrogate: Nitrobenzene-d5	*1110*		*"*	*1670*		*66.4*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*1120*		*"*	*1670*		*67.1*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*1570*		*"*	*2500*		*62.6*	*10-106*				
Surrogate: Terphenyl-d14	*1220*		*"*	*1670*		*73.0*	*10-123*				
LCS (BB50737-BS1)								Prepared: 02/17/2015 Analyzed: 02/18/2015			
Acenaphthene	1120	41.7	ug/kg wet	1670		67.2	17-124				
Acenaphthylene	1090	41.7	"	1670		65.6	16-124				
Aniline	1470	167	"	1670		88.1	10-111				
Anthracene	1140	41.7	"	1670		68.3	24-124				
Benzo(a)anthracene	1100	41.7	"	1670		66.1	25-134				
Benzo(a)pyrene	1270	41.7	"	1670		76.4	29-144				
Benzo(b)fluoranthene	1270	41.7	"	1670		76.3	20-151				
Benzo(g,h,i)perylene	1500	41.7	"	1670		89.9	10-153				
Benzo(k)fluoranthene	1200	41.7	"	1670		72.2	10-148				
Benzyl alcohol	976	41.7	"	1670		58.6	17-128				
Benzyl butyl phthalate	1130	41.7	"	1670		68.0	10-132				
4-Bromophenyl phenyl ether	1160	41.7	"	1670		69.5	30-138				
4-Chloro-3-methylphenol	1050	41.7	"	1670		62.8	16-138				
4-Chloroaniline	763	41.7	"	1670		45.8	10-117				
Bis(2-chloroethoxy)methane	1080	41.7	"	1670		64.7	10-129				
Bis(2-chloroethyl)ether	1100	41.7	"	1670		65.8	14-125				
Bis(2-chloroisopropyl)ether	1270	41.7	"	1670		76.1	14-122				
2-Chloronaphthalene	1080	41.7	"	1670		64.8	22-115				
2-Chlorophenol	965	41.7	"	1670		57.9	25-121				
4-Chlorophenyl phenyl ether	1160	41.7	"	1670		69.4	18-132				
Chrysene	1220	41.7	"	1670		73.4	24-116				
Dibenzo(a,h)anthracene	1400	41.7	"	1670		83.9	17-147				
Dibenzofuran	1110	41.7	"	1670		66.9	23-123				
Di-n-butyl phthalate	1170	41.7	"	1670		70.0	19-123				
1,3-Dichlorobenzene	919	41.7	"	1670		55.1	32-113				
1,4-Dichlorobenzene	980	41.7	"	1670		58.8	28-111				
1,2-Dichlorobenzene	1000	41.7	"	1670		60.3	26-113				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50737 - EPA 3550C											
LCS (BB50737-BS1)								Prepared: 02/17/2015 Analyzed: 02/18/2015			
3,3'-Dichlorobenzidine	1190	41.7	ug/kg wet	1670		71.2	10-147				
2,4-Dichlorophenol	1100	41.7	"	1670		66.3	23-133				
Diethyl phthalate	1150	41.7	"	1670		69.2	23-122				
2,4-Dimethylphenol	1040	41.7	"	1670		62.6	15-131				
Dimethyl phthalate	1170	41.7	"	1670		70.2	28-127				
4,6-Dinitro-2-methylphenol	983	83.3	"	1670		59.0	10-149				
2,4-Dinitrophenol	416	83.3	"	1670		25.0	10-149				
2,4-Dinitrotoluene	1170	41.7	"	1670		70.3	30-123				
2,6-Dinitrotoluene	1160	41.7	"	1670		69.9	30-125				
Di-n-octyl phthalate	1220	41.7	"	1670		73.1	10-132				
Bis(2-ethylhexyl)phthalate	1710	41.7	"	1670		103	10-141				
Fluoranthene	1180	41.7	"	1670		71.0	36-125				
Fluorene	1170	41.7	"	1670		70.1	16-130				
Hexachlorobenzene	1080	41.7	"	1670		64.6	10-129				
Hexachlorobutadiene	1090	41.7	"	1670		65.3	22-153				
Hexachlorocyclopentadiene	292	41.7	"	1670		17.5	10-134				
Hexachloroethane	929	41.7	"	1670		55.7	20-112				
Indeno(1,2,3-cd)pyrene	1400	41.7	"	1670		83.9	10-155				
Isophorone	1050	41.7	"	1670		62.9	14-131				
2-Methylnaphthalene	1100	41.7	"	1670		66.1	16-127				
2-Methylphenol	975	41.7	"	1670		58.5	10-146				
3- & 4-Methylphenols	1020	41.7	"	1670		61.0	20-109				
Naphthalene	1120	41.7	"	1670		67.4	20-121				
3-Nitroaniline	872	83.3	"	1670		52.3	23-123				
2-Nitroaniline	1080	83.3	"	1670		64.8	24-126				
4-Nitroaniline	993	83.3	"	1670		59.6	14-125				
Nitrobenzene	1400	41.7	"	1670		83.8	20-121				
2-Nitrophenol	1040	41.7	"	1670		62.3	17-129				
4-Nitrophenol	1570	83.3	"	1670		94.1	10-136				
N-nitroso-di-n-propylamine	1100	41.7	"	1670		66.1	21-119				
N-Nitrosodimethylamine	767	41.7	"	1670		46.0	10-124				
N-Nitrosodiphenylamine	1290	41.7	"	1670		77.4	10-163				
Pentachlorophenol	398	41.7	"	1670		23.9	10-143				
Phenanthrene	1180	41.7	"	1670		70.7	24-123				
Phenol	992	41.7	"	1670		59.5	15-123				
Pyrene	1180	41.7	"	1670		70.9	24-132				
Pyridine	456	167	"	1670		27.4	10-92				
1,2,4-Trichlorobenzene	1050	41.7	"	1670		62.7	23-130				
2,4,6-Trichlorophenol	975	41.7	"	1670		58.5	27-122				
2,4,5-Trichlorophenol	882	41.7	"	1670		52.9	14-138				
Surrogate: 2-Fluorophenol	*1260*		*"*	*2510*		*50.3*	*10-99*				
Surrogate: Phenol-d5	*1290*		*"*	*2510*		*51.5*	*10-108*				
Surrogate: Nitrobenzene-d5	*883*		*"*	*1670*		*52.9*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*844*		*"*	*1670*		*50.5*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*1390*		*"*	*2500*		*55.6*	*30-130*				
Surrogate: Terphenyl-d14	*944*		*"*	*1670*		*56.4*	*10-123*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50737 - EPA 3550C											
LCS Dup (BB50737-BSD1)								Prepared: 02/17/2015 Analyzed: 02/18/2015			
Acenaphthene	1100	41.7	ug/kg wet	1670		66.3	17-124		1.32	30	
Acenaphthylene	1080	41.7	"	1670		64.8	16-124		1.17	30	
Aniline	1540	167	"	1670		92.2	10-111		4.59	30	
Anthracene	1120	41.7	"	1670		67.5	24-124		1.27	30	
Benzo(a)anthracene	1120	41.7	"	1670		67.1	25-134		1.44	30	
Benzo(a)pyrene	1300	41.7	"	1670		77.9	29-144		1.89	30	
Benzo(b)fluoranthene	1300	41.7	"	1670		78.1	20-151		2.33	30	
Benzo(g,h,i)perylene	1510	41.7	"	1670		90.7	10-153		0.842	30	
Benzo(k)fluoranthene	1190	41.7	"	1670		71.7	10-148		0.806	30	
Benzyl alcohol	989	41.7	"	1670		59.3	17-128		1.26	30	
Benzyl butyl phthalate	1160	41.7	"	1670		69.9	10-132		2.70	30	
4-Bromophenyl phenyl ether	1160	41.7	"	1670		69.6	30-138		0.172	30	
4-Chloro-3-methylphenol	1060	41.7	"	1670		63.7	16-138		1.42	30	
4-Chloroaniline	871	41.7	"	1670		52.3	10-117		13.3	30	
Bis(2-chloroethoxy)methane	1100	41.7	"	1670		65.9	10-129		1.84	30	
Bis(2-chloroethyl)ether	1160	41.7	"	1670		69.9	14-125		6.04	30	
Bis(2-chloroisopropyl)ether	1330	41.7	"	1670		79.9	14-122		4.85	30	
2-Chloronaphthalene	1060	41.7	"	1670		63.7	22-115		1.68	30	
2-Chlorophenol	985	41.7	"	1670		59.1	25-121		2.05	30	
4-Chlorophenyl phenyl ether	1170	41.7	"	1670		70.1	18-132		1.03	30	
Chrysene	1240	41.7	"	1670		74.3	24-116		1.19	30	
Dibenzo(a,h)anthracene	1400	41.7	"	1670		84.0	17-147		0.0953	30	
Dibenzofuran	1120	41.7	"	1670		67.0	23-123		0.209	30	
Di-n-butyl phthalate	1190	41.7	"	1670		71.6	19-123		2.32	30	
1,3-Dichlorobenzene	937	41.7	"	1670		56.2	32-113		1.98	30	
1,4-Dichlorobenzene	1010	41.7	"	1670		60.8	28-111		3.28	30	
1,2-Dichlorobenzene	1040	41.7	"	1670		62.4	26-113		3.39	30	
3,3'-Dichlorobenzidine	1310	41.7	"	1670		78.9	10-147		10.3	30	
2,4-Dichlorophenol	1100	41.7	"	1670		66.0	23-133		0.514	30	
Diethyl phthalate	1160	41.7	"	1670		69.9	23-122		0.891	30	
2,4-Dimethylphenol	1030	41.7	"	1670		61.6	15-131		1.64	30	
Dimethyl phthalate	1180	41.7	"	1670		71.0	28-127		1.13	30	
4,6-Dinitro-2-methylphenol	993	83.3	"	1670		59.6	10-149		0.945	30	
2,4-Dinitrophenol	404	83.3	"	1670		24.2	10-149		2.93	30	
2,4-Dinitrotoluene	1200	41.7	"	1670		71.7	30-123		2.00	30	
2,6-Dinitrotoluene	1180	41.7	"	1670		70.5	30-125		0.969	30	
Di-n-octyl phthalate	1250	41.7	"	1670		74.8	10-132		2.33	30	
Bis(2-ethylhexyl)phthalate	1710	41.7	"	1670		102	10-141		0.234	30	
Fluoranthene	1220	41.7	"	1670		72.9	36-125		2.64	30	
Fluorene	1170	41.7	"	1670		70.1	16-130		0.00	30	
Hexachlorobenzene	1110	41.7	"	1670		66.7	10-129		3.20	30	
Hexachlorobutadiene	1110	41.7	"	1670		66.3	22-153		1.64	30	
Hexachlorocyclopentadiene	334	41.7	"	1670		20.1	10-134		13.6	30	
Hexachloroethane	970	41.7	"	1670		58.2	20-112		4.32	30	
Indeno(1,2,3-cd)pyrene	1390	41.7	"	1670		83.4	10-155		0.574	30	
Isophorone	1060	41.7	"	1670		63.6	14-131		1.17	30	
2-Methylnaphthalene	1100	41.7	"	1670		66.1	16-127		0.121	30	
2-Methylphenol	983	41.7	"	1670		59.0	10-146		0.783	30	
3- & 4-Methylphenols	1030	41.7	"	1670		61.7	20-109		1.24	30	
Naphthalene	1130	41.7	"	1670		67.9	20-121		0.798	30	
3-Nitroaniline	963	83.3	"	1670		57.8	23-123		9.95	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50737 - EPA 3550C											
LCS Dup (BB50737-BSD1)								Prepared: 02/17/2015 Analyzed: 02/18/2015			
2-Nitroaniline	1100	83.3	ug/kg wet	1670		65.8	24-126		1.56	30	
4-Nitroaniline	1000	83.3	"	1670		60.1	14-125		0.902	30	
Nitrobenzene	1440	41.7	"	1670		86.1	20-121		2.78	30	
2-Nitrophenol	1030	41.7	"	1670		61.8	17-129		0.741	30	
4-Nitrophenol	1750	83.3	"	1670		105	10-136		11.2	30	
N-nitroso-di-n-propylamine	1140	41.7	"	1670		68.5	21-119		3.60	30	
N-Nitrosodimethylamine	592	41.7	"	1670		35.5	10-124		25.8	30	
N-Nitrosodiphenylamine	1270	41.7	"	1670		76.2	10-163		1.48	30	
Pentachlorophenol	447	41.7	"	1670		26.8	10-143		11.5	30	
Phenanthrene	1190	41.7	"	1670		71.3	24-123		0.958	30	
Phenol	1020	41.7	"	1670		61.1	15-123		2.59	30	
Pyrene	1200	41.7	"	1670		72.0	24-132		1.51	30	
Pyridine	441	167	"	1670		26.5	10-92		3.27	30	
1,2,4-Trichlorobenzene	1050	41.7	"	1670		63.3	23-130		0.825	30	
2,4,6-Trichlorophenol	974	41.7	"	1670		58.4	27-122		0.137	30	
2,4,5-Trichlorophenol	985	41.7	"	1670		59.1	14-138		11.0	30	
Surrogate: 2-Fluorophenol	*1270*		*"*	*2510*		*50.7*	*10-99*				
Surrogate: Phenol-d5	*1290*		*"*	*2510*		*51.4*	*10-108*				
Surrogate: Nitrobenzene-d5	*888*		*"*	*1670*		*53.2*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*816*		*"*	*1670*		*48.8*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*1430*		*"*	*2500*		*57.0*	*30-130*				
Surrogate: Terphenyl-d14	*947*		*"*	*1670*		*56.6*	*10-123*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50706 - EPA 3550C											
Blank (BB50706-BLK1)								Prepared: 02/16/2015 Analyzed: 02/18/2015			
4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	13.2	"								
gamma-Chlordane	ND	0.330	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
Surrogate: Tetrachloro-m-xylene	*51.8*		*"*	*67.7*		*76.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*57.9*		*"*	*67.0*		*86.3*	*30-140*				
LCS (BB50706-BS1)								Prepared: 02/16/2015 Analyzed: 02/18/2015			
4,4'-DDD	29.3	0.330	ug/kg wet	33.3		87.8	40-140				
4,4'-DDE	29.4	0.330	"	33.3		88.3	40-140				
4,4'-DDT	26.5	0.330	"	33.3		79.5	40-140				
Aldrin	28.9	0.330	"	33.3		86.8	40-140				
alpha-BHC	30.1	0.330	"	33.3		90.2	40-140				
beta-BHC	29.9	0.330	"	33.3		89.7	40-140				
gamma-Chlordane	27.9	0.330	"	33.3		83.6	40-140				
delta-BHC	30.1	0.330	"	33.3		90.3	40-140				
Dieldrin	28.6	0.330	"	33.3		85.9	40-140				
Endosulfan I	29.6	0.330	"	33.3		88.9	40-140				
Endosulfan II	29.0	0.330	"	33.3		86.9	40-140				
Endosulfan sulfate	28.0	0.330	"	33.3		84.1	40-140				
Endrin	29.7	0.330	"	33.3		89.2	40-140				
Endrin aldehyde	22.7	0.330	"	33.3		68.1	40-140				
Endrin ketone	26.5	0.330	"	33.3		79.6	40-140				
gamma-BHC (Lindane)	29.1	0.330	"	33.3		87.3	40-140				
Heptachlor	22.8	0.330	"	33.3		68.4	40-140				
Heptachlor epoxide	27.0	0.330	"	33.3		80.9	40-140				
alpha-Chlordane	28.3	0.330	"	33.3		85.0	40-140				
Methoxychlor	22.9	1.65	"	33.3		68.6	40-140				
Surrogate: Tetrachloro-m-xylene	*52.8*		*"*	*67.7*		*78.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*58.8*		*"*	*67.0*		*87.8*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50706 - EPA 3550C											
LCS Dup (BB50706-BSD1)								Prepared: 02/16/2015 Analyzed: 02/18/2015			
4,4'-DDD	29.8	0.330	ug/kg wet	33.3		89.3	40-140		1.76	30	
4,4'-DDE	30.4	0.330	"	33.3		91.2	40-140		3.18	30	
4,4'-DDT	26.1	0.330	"	33.3		78.4	40-140		1.38	30	
Aldrin	30.2	0.330	"	33.3		90.5	40-140		4.27	30	
alpha-BHC	31.5	0.330	"	33.3		94.5	40-140		4.57	30	
beta-BHC	31.0	0.330	"	33.3		93.0	40-140		3.62	30	
gamma-Chlordane	28.9	0.330	"	33.3		86.8	40-140		3.70	30	
delta-BHC	31.1	0.330	"	33.3		93.4	40-140		3.32	30	
Dieldrin	29.8	0.330	"	33.3		89.3	40-140		3.91	30	
Endosulfan I	30.7	0.330	"	33.3		92.0	40-140		3.52	30	
Endosulfan II	28.4	0.330	"	33.3		85.3	40-140		1.84	30	
Endosulfan sulfate	28.6	0.330	"	33.3		85.9	40-140		2.10	30	
Endrin	30.7	0.330	"	33.3		92.0	40-140		3.19	30	
Endrin aldehyde	22.7	0.330	"	33.3		68.2	40-140		0.0851	30	
Endrin ketone	27.1	0.330	"	33.3		81.3	40-140		2.14	30	
gamma-BHC (Lindane)	30.4	0.330	"	33.3		91.3	40-140		4.46	30	
Heptachlor	24.1	0.330	"	33.3		72.2	40-140		5.38	30	
Heptachlor epoxide	28.0	0.330	"	33.3		84.1	40-140		3.82	30	
alpha-Chlordane	29.2	0.330	"	33.3		87.6	40-140		2.94	30	
Methoxychlor	24.0	1.65	"	33.3		71.9	40-140		4.80	30	
Surrogate: Tetrachloro-m-xylene	*55.8*		*"*	*67.7*		*82.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*60.3*		*"*	*67.0*		*90.0*	*30-140*				
Matrix Spike (BB50706-MS1)	*Source sample: 15B0412-01 (EP-1)							Prepared: 02/16/2015 Analyzed: 02/18/2015			
4,4'-DDD	43.2	1.80	ug/kg dry	36.3	ND	119	30-150				
4,4'-DDE	36.5	1.80	"	36.3	ND	101	30-150				
4,4'-DDT	37.9	1.80	"	36.3	4.93	90.8	30-150				
Aldrin	35.2	1.80	"	36.3	ND	97.1	30-150				
alpha-BHC	31.7	1.80	"	36.3	ND	87.3	30-150				
beta-BHC	37.2	1.80	"	36.3	ND	102	30-150				
gamma-Chlordane	36.3	1.80	"	36.3	ND	99.9	30-150				
delta-BHC	37.7	1.80	"	36.3	ND	104	30-150				
Dieldrin	38.5	1.80	"	36.3	ND	106	30-150				
Endosulfan I	36.4	1.80	"	36.3	ND	100	30-150				
Endosulfan II	38.9	1.80	"	36.3	ND	107	30-150				
Endosulfan sulfate	41.1	1.80	"	36.3	ND	113	30-150				
Endrin	44.3	1.80	"	36.3	ND	122	30-150				
Endrin aldehyde	39.6	1.80	"	36.3	ND	109	30-150				
Endrin ketone	49.9	1.80	"	36.3	ND	137	30-150				
gamma-BHC (Lindane)	32.6	1.80	"	36.3	ND	89.8	30-150				
Heptachlor	25.3	1.80	"	36.3	ND	69.6	30-150				
Heptachlor epoxide	36.6	1.80	"	36.3	ND	101	30-150				
alpha-Chlordane	35.9	1.80	"	36.3	ND	98.8	30-150				
Methoxychlor	35.7	8.99	"	36.3	ND	98.4	30-150				
Surrogate: Tetrachloro-m-xylene	*52.7*		*"*	*73.7*		*71.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*80.7*		*"*	*73.0*		*111*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50706 - EPA 3550C											
Blank (BB50706-BLK1)								Prepared: 02/16/2015 Analyzed: 02/18/2015			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0473*		*"*	*0.0677*		*70.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0470*		*"*	*0.0670*		*70.1*	*30-140*				
LCS (BB50706-BS2)								Prepared: 02/16/2015 Analyzed: 02/18/2015			
Aroclor 1016	0.373	0.0167	mg/kg wet	0.333		112	40-130				
Aroclor 1260	0.357	0.0167	"	0.333		107	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0483*		*"*	*0.0677*		*71.4*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0473*		*"*	*0.0670*		*70.6*	*30-140*				
LCS Dup (BB50706-BSD2)								Prepared: 02/16/2015 Analyzed: 02/18/2015			
Aroclor 1016	0.383	0.0167	mg/kg wet	0.333		115	40-130		2.47	25	
Aroclor 1260	0.365	0.0167	"	0.333		109	40-130		2.22	25	
Surrogate: Tetrachloro-m-xylene	*0.0473*		*"*	*0.0677*		*70.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0473*		*"*	*0.0670*		*70.6*	*30-140*				
Matrix Spike (BB50706-MS2)	*Source sample: 15B0412-01 (EP-1)							Prepared: 02/16/2015 Analyzed: 02/18/2015			
Aroclor 1016	0.281	0.0181	mg/kg dry	0.363	ND	77.5	40-140				
Aroclor 1260	0.317	0.0181	"	0.363	ND	87.2	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0374*		*"*	*0.0737*		*50.7*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0465*		*"*	*0.0730*		*63.7*	*30-140*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50707 - EPA 3050B											
Blank (BB50707-BLK1)								Prepared & Analyzed: 02/16/2015			
Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								
Duplicate (BB50707-DUP1)	*Source sample: 15B0412-05 (EP-5)							Prepared & Analyzed: 02/16/2015			
Aluminum	7320	1.09	mg/kg dry		7310				0.173	35	
Antimony	ND	0.545	"		ND					35	
Arsenic	1.18	1.09	"		ND					35	
Barium	28.4	1.09	"		28.2				0.617	35	
Beryllium	ND	0.109	"		ND					35	
Cadmium	ND	0.327	"		ND					35	
Calcium	577	5.45	"		579				0.308	35	
Chromium	8.77	0.545	"		8.75				0.295	35	
Cobalt	5.84	0.545	"		5.82				0.390	35	
Copper	11.5	0.545	"		11.5				0.0849	35	
Iron	12800	2.18	"		12800				0.512	35	
Lead	6.74	0.327	"		6.74				0.00589	35	
Magnesium	1720	5.45	"		1730				0.415	35	
Manganese	495	0.545	"		494				0.158	35	
Nickel	12.5	0.545	"		12.4				1.25	35	
Potassium	605	5.45	"		602				0.419	35	
Selenium	1.88	1.09	"		1.70				10.2	35	
Silver	ND	0.545	"		ND					35	
Sodium	41.7	10.9	"		41.4				0.762	35	
Thallium	ND	1.09	"		ND					35	
Vanadium	13.8	1.09	"		13.7				0.591	35	
Zinc	18.9	1.09	"		18.9				0.0686	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50707 - EPA 3050B											
Matrix Spike (BB50707-MS1)	*Source sample: 15B0412-05 (EP-5)						Prepared & Analyzed: 02/16/2015				
Aluminum	7520	1.09	mg/kg dry	218	7310	96.5	75-125				
Antimony	27.2	0.545	"	27.3	ND	99.9	75-125				
Arsenic	210	1.09	"	218	ND	96.5	75-125				
Barium	266	1.09	"	218	28.2	109	75-125				
Beryllium	4.90	0.109	"	5.45	ND	89.8	75-125				
Cadmium	4.67	0.327	"	5.45	ND	85.7	75-125				
Chromium	30.6	0.545	"	21.8	8.75	100	75-125				
Cobalt	63.5	0.545	"	54.5	5.82	106	75-125				
Copper	41.2	0.545	"	27.3	11.5	109	75-125				
Iron	12900	2.18	"	109	12800	45.5	75-125	Low Bias			
Lead	61.0	0.327	"	54.5	6.74	99.5	75-125				
Magnesium	1730	5.45	"		1730		75-125				
Manganese	551	0.545	"	54.5	494	106	75-125				
Nickel	68.9	0.545	"	54.5	12.4	104	75-125				
Potassium	600	5.45	"		602		75-125				
Selenium	216	1.09	"	218	1.70	98.4	75-125				
Silver	3.56	0.545	"	5.45	ND	65.3	75-125	Low Bias			
Sodium	41.0	10.9	"		41.4		75-125				
Thallium	219	1.09	"	218	ND	101	75-125				
Vanadium	69.4	1.09	"	54.5	13.7	102	75-125				
Zinc	72.1	1.09	"	54.5	18.9	97.6	75-125				
Reference (BB50707-SRM1)							Prepared & Analyzed: 02/16/2015				
Aluminum	6160	1.00	mg/kg wet	8740		70.5	41.6-158				
Antimony	110	0.500	"	108		101	23-255				
Arsenic	146	1.00	"	151		96.6	70.9-130				
Barium	264	1.00	"	262		101	73.7-126				
Beryllium	130	0.100	"	133		97.5	75.1-125				
Cadmium	143	0.300	"	152		94.0	73-126				
Calcium	6260	5.00	"	6400		97.8	73.9-126				
Chromium	110	0.500	"	117		93.7	69.7-130				
Cobalt	70.1	0.500	"	68.7		102	74.4-126				
Copper	70.9	0.500	"	68.6		103	73.2-129				
Iron	10300	2.00	"	12300		83.6	30.5-170				
Lead	238	0.300	"	254		93.5	75.6-125				
Magnesium	3260	5.00	"	3600		90.5	68.3-132				
Manganese	546	0.500	"	563		97.0	77.4-123				
Nickel	323	0.500	"	315		102	74.3-127				
Potassium	2730	5.00	"	3040		89.9	62.5-137				
Selenium	160	1.00	"	162		99.0	67.3-132				
Silver	41.5	0.500	"	44.3		93.7	66.4-124				
Sodium	733	10.0	"	746		98.2	56.8-143				
Thallium	247	1.00	"	259		95.2	69.5-131				
Vanadium	110	1.00	"	116		94.7	67.5-132				
Zinc	288	1.00	"	306		94.1	71.9-133				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50679 - EPA 7473 soil											
Blank (BB50679-BLK1)								Prepared & Analyzed: 02/16/2015			
Mercury	ND	0.0300	mg/kg wet								
Reference (BB50679-SRM1)								Prepared & Analyzed: 02/16/2015			
Mercury	5.3300		mg/kg	5.76		92.5	71.2-129				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50847 - EPA SW846-3060											
Blank (BB50847-BLK1)								Prepared & Analyzed: 02/19/2015			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BB50847-DUP1)	*Source sample: 15B0412-01 (EP-1)							Prepared & Analyzed: 02/19/2015			
Chromium, Hexavalent	ND	0.545	mg/kg dry		ND					35	
Matrix Spike (BB50847-MS1)	*Source sample: 15B0412-01 (EP-1)							Prepared & Analyzed: 02/19/2015			
Chromium, Hexavalent	ND	0.545	mg/kg dry	21.8	ND		75-125	Low Bias			
Reference (BB50847-SRM1)								Prepared & Analyzed: 02/19/2015			
Chromium, Hexavalent	39.1		mg/L	59.8		65.4	24.7-176				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15B0412-01	EP-1	40mL Vial with Stir Bar-Cool 4° C
15B0412-02	EP-2	40mL Vial with Stir Bar-Cool 4° C
15B0412-03	EP-3	40mL Vial with Stir Bar-Cool 4° C
15B0412-04	EP-4	40mL Vial with Stir Bar-Cool 4° C
15B0412-05	EP-5	40mL Vial with Stir Bar-Cool 4° C
15B0412-06	EP-6	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C

Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-MISpk	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.
M-HCSpk	Sample conc. >10 X spike conc.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

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Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15B0412

YOUR Information		Report to:		Invoice To:		Your Project ID	Turn-Around Time		Report/Deliverable Type	
Company:	Hydro Tech Env Corp	SAME	X	SAME		#140310 83 Bushwick Place Brooklyn, NY	RUSH-Same Day		Summary Report	X
Address:	15 Ocean Ave, 2nd Floor	Name:		Name:	Muslima Ward		RUSH-Next Day		QA Report	X
	Brooklyn NY 11225	Company:		Company:	Hydro Tech Env	Purchase Order #	RUSH-Two Day		CT RCP	
Phone.:	(718) 636-0800	Address:		Address:	77 Arkay Drive Suite G	7207	RUSH-Three Day		CT RCP DQA/DUE Pkg	
Contact:	Morgan Violette				Hauppauge, NY 11788		RUSH-Four Day		NY ASP A Package	
E-mail:	mviolette@hydrotechenvironmental.com	E-mail:		E-mail	mward@hydrotechenvir	Samples from CT__NY_X_NJ__	Standard (5-7day)	X	NY ASP B Package	
									NJDEP Reduced Deliv	
									Excel	X
									NYSDEC EQuIS	X
									NJDEP SRP HazSite	
									EQuIS	
									GIS/KEY (std)	

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Morgan Violette

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Unknowns/Futures
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indic.Metals	Air TICs	NYCDEPSewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDECSewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

YORK Regulatory Comp Excel *compared to:* NYSDEC Part 375 Unrestricted SCO - Residential SCO

OTHER:

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
EP-1	2/12/2015	S	EPA 8260, 8270, 8081/8082, TAL metals, Chromium hexavalent & trivalent	1 TerraCore set, 1 8oz clear jar
EP-2	2/12/2015	S	"	1 TerraCore set, 1 8oz clear jar
EP-3	2/12/2015	S	"	1 TerraCore set, 1 8oz clear jar
EP-4	2/12/2015	S	"	1 TerraCore set, 1 8oz clear jar
EP-5	2/12/2015	S	"	1 TerraCore set, 1 8oz clear jar
EP-6	2/12/2015	S	"	1 TerraCore set, 1 8oz clear jar

Comments:

E designation
Please have results in 4-6 days as per Hydro Tech agreement

Preservation (check all applicable): 4°C____ Frozen____ HCl____ MeOH____ HNO_3____ H_2SO_4____ NaOH____ ZnAc____ Ascorbic Acid____ Other____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	2/13/15 1150 Am	Samples Received By	K Banks 2-13-15
Samples Relinquished By	Date/Time	Samples Received in LAB by	2/13/15 1620

Temperature on Receipt: 3.1 °C

1150 Am

Appendix 8

Disposal Facility Approval Letters

IMPACT ENVIRONMENTAL 170 Keyland Court| Bohemia| NY | 11716 | 631.269.8800
welcome to solid ground… *www.impactenvironmental.com*

January 16, 2015

Bushwick Place Venture LLC
83 Bushwick Place
Brooklyn, NY 11206

RE: IMP #8100-01-01-1001
83 Bushwick Place, Brooklyn, NY

Bushwick Place Venture LLC:

Impact Environmental Consulting, Inc. ("Impact") is the authorized environmental compliance engineer for the disposal facility at the former NJ Zinc site located at 1120 Mauch Chunk Road, Palmerton, PA (managed by Phase III Environmental). Impact Environmental reviews analytical data and site background information for site-specific sources to evaluate acceptance of materials into the facility in compliance with the facility permit (PADEP Permit #: WMGR096NE003). The site had entered NYC OER Volunteer Cleanup Program (ID: **14CVCP221K**).

Impact Environmental has reviewed information regarding material from the above referenced site ("site"). The review included an evaluation of the following documents:

- Remedial Investigation Report by Hydro Tech Environmental dated January 13, 2014.
- Laboratory Reports 14K0230 by York Analytical dated November 13, 2014.
- Laboratory Reports 14K0890 by York Analytical dated December 3, 2014.
- Laboratory Reports 14L0280 by York Analytical dated December 10, 2014.
- Laboratory Reports 460-88247 by TestAmerica dated December 30, 2014.
- Laboratory Reports 460-89060 by TestAmerica dated January 15, 2014.
- Executed Waste Profile Form.

The analytical data subject to the reports was reviewed and compared with the facility permit requirements. Soils from the following sampling locations are conditionally acceptable and approved for reuse at the NJ Zinc – West Plant site pending an executed signed application:

WC-1 (Non-Haz), Grid #1 North Stockpile, WC-2, Grid 2 Stockpile, WC-3, SP-1 0'-2', SP-2 0'-2', SP-3 0'-2', SP-40'-2', SP-4 6'-8', SP-1 6'-8', SP-2 6'-8', SP-3 6'-8', SP-5 0'-2', SP-5 8'-10'

The material meets the definition of Regulated fill as defined in General Permit No. WMGR096. The volume of material represented by this approval is 2,000 CYD. The following non-analytical factors will apply:

EXCLUDED MEDIA	TREATED & UNTREATED WOOD LIMITATION	SLAG/ASH/CINDER LIMITATION	MOISTURE CONTENT LIMITATION	PHOTO-IONIZATION DETECTOR LIMIT (PPM)	MATERIAL SIZE LIMIT
MSW, Vegetation.	5%	5%	No Free Standing Liquid	NA	NA

Soil will be accepted and managed in accordance with facility permits. Please feel free to contact me with any questions.

Sincerely,
IMPACT ENVIRONMENTAL

Richard Parrish
President

IMPACT ENVIRONMENTAL
welcome to solid ground…
170 Keyland Court| Bohemia| NY | 11716 | 631.269.8800
www.impactenvironmental.com

December 23, 2014

Bushwick Place Venture LLC
83 Bushwick Place
Brooklyn, NY 11206

RE: IMP #8100-01-01-1001
83 Bushwick Place, Brooklyn, NY

Dear Bushwick Place Venture LLC,

Impact Environmental Consulting, Inc. is the authorized environmental compliance engineer for the disposal facility identified as TRC-Walnut Cut which is managed by Total Recycling Corporation (TRC). As compliance engineer, Impact Environmental reviews analytical data and site background information for site-specific sources to evaluate acceptance of materials into the facility in compliance with the facility permit. The site had entered NYC OER Volunteer Cleanup Program (ID: 14CVCP162M).

The material meets Pennsylvania Clean Fill and will be accepted at the Walnut Cut beneficial use site as embankment material per the Pennsylvania Department of Environmental Protection, Bureau of Land Recycling and Waste Management of Fill Policy (258-2182-773), as certified in the FP-001 Certification of Clean Fill Form.

Impact Environmental has reviewed information regarding material from the above referenced site ("site"). The review included an evaluation of the following documents:

- Remedial Investigation Report by Hydro Tech Environmental dated January 13, 2014.
- Laboratory Reports 14K0230 by York Analytical dated November 13, 2014.
- Laboratory Reports 14K0890 by York Analytical dated December 3, 2014.
- Laboratory Reports 14L0280 by York Analytical and December 10, 2014.
- Executed Waste Profile Form.

The analytical data subject to the investigations/reports were reviewed and compared with the facility permit requirements and soil represented by the following sample IDs are found acceptable for disposal:

WC-3, SP-1 0'-2', SP-2 0'-2', SP-3 0'-2', SP-40'-2', SP-4 6'-8', SP-1 6'-8', SP-2 6'-8', SP-3 6'-8', SP-5 0'-2', SP-5 8'-10'

The material meets the definition of PA Clean Fill. The volume of material represented by this approval is 1,000 CYD. The following non-analytical factors will apply:

EXCLUDED MEDIA	TREATED & UNTREATED WOOD LIMITATION	SLAG/ASH/CINDER LIMITATION	MOISTURE CONTENT LIMITATION	PHOTO-IONIZATION DETECTOR LIMIT (PPM)	MATERIAL SIZE LIMIT
MSW, Wood, Vegetation, ash/cinder.	1%	1%	No Free Standing Liquid	5	NA

The material to be accepted is per local, state and federal regulations. As required per 40 CFR 264.12 (b), this letter serves as notification that we have the appropriate permits in place to accept and manage your waste(s). All soil will be accepted and managed in accordance with the facility and operational permits.

Please feel free to contact me with any questions.

Sincerely,
IMPACT ENVIRONMENTAL

Richard Parrish
President

IMPACT ENVIRONMENTAL
welcome to solid ground…
170 Keyland Court| Bohemia| NY | 11716 | 631.269.8800
www.impactenvironmental.com

December 30, 2014

Bushwick Place Venture LLC
83 Bushwick Place
Brooklyn, NY 11206

RE: IMP #8100-01-01-1001
83 Bushwick Place, Brooklyn, NY

Dear Bushwick Place Venture LLC,

Impact Environmental Consulting, Inc. is the authorized environmental compliance engineer for the disposal facility identified as TRC-Walnut Cut which is managed by Total Recycling Corporation (TRC). As compliance engineer, Impact Environmental reviews analytical data and site background information for site-specific sources to evaluate acceptance of materials into the facility in compliance with the facility permit. The site had entered NYC OER Volunteer Cleanup Program (ID: 14CVCP162M).

The material meets Pennsylvania Clean Fill and will be accepted at the Walnut Cut beneficial use site as embankment material per the Pennsylvania Department of Environmental Protection, Bureau of Land Recycling and Waste Management of Fill Policy (258-2182-773), as certified in the FP-001 Certification of Clean Fill Form.

Impact Environmental has reviewed information regarding material from the above referenced site ("site"). The review included an evaluation of the following documents:

- Remedial Investigation Report by Hydro Tech Environmental dated January 13, 2014.
- Laboratory Reports 14K0230 by York Analytical dated November 13, 2014.
- Laboratory Reports 14K0890 by York Analytical dated December 3, 2014.
- Laboratory Reports 14L0280 by York Analytical and December 10, 2014.
- Laboratory Reports 460-88247 by TestAmerica and December 30, 2014.
- Executed Waste Profile Form.

The analytical data subject to the investigations/reports were reviewed and compared with the facility permit requirements and soil represented by the following sample IDs are found acceptable for disposal:

WC-2, Grid 2 Stockpile, WC-3, SP-1 0'-2', SP-2 0'-2', SP-3 0'-2', SP-40'-2', SP-4 6'-8', SP-1 6'-8', SP-2 6'-8', SP-3 6'-8', SP-5 0'-2', SP-5 8'-10'

The material meets the definition of PA Clean Fill. The volume of material represented by this approval is 1,000 CYD. The following non-analytical factors will apply:

EXCLUDED MEDIA	TREATED & UNTREATED WOOD LIMITATION	SLAG/ASH/CINDER LIMITATION	MOISTURE CONTENT LIMITATION	PHOTO-IONIZATION DETECTOR LIMIT (PPM)	MATERIAL SIZE LIMIT
MSW, Wood, Vegetation, ash/cinder.	1%	1%	No Free Standing Liquid	5	NA

The material to be accepted is per local, state and federal regulations. As required per 40 CFR 264.12 (b), this letter serves as notification that we have the appropriate permits in place to accept and manage your waste(s). All soil will be accepted and managed in accordance with the facility and operational permits.
Please feel free to contact me with any questions.

Sincerely,
IMPACT ENVIRONMENTAL

Richard Parrish
President

Notice of Approval

Profile: 143083823

19-December-2014

Bushwick Place Venture LLC
83 Bushwick Place
Brooklyn, NY 11206

Dear Bushwick Place Venture LLC,

Thank you for your submission of the Waste Profile Form. We have evaluated your waste stream, and it has been approved for management at our fully-permitted TSDF. CENJ based the approval of this waste stream on the information provided including the waste material profile sheet and any accompaning information such as lab data or Material Safety Data Sheets.

Product	**Common Name**
STABB02	HISTORIC FILL

As required per 40 CFR 264.12(.b), this letter serves as notification that we have the appropriate permits in place to accept and manage your waste(s). Due in part to our permit, non-conforming waste may be rejected at a pre-determined rate, plus round trip transportation if the discrepancy cannot be resolved via manifest corrections or price adjustments.

We appreciate your interest in our company and we look forward to assisting you with the disposal of your waste. To place an order, please contact our customer service department.

Acknowledgement

Signature _____

Printed Name _____

Date _____

Sincerely,

Eileen Field, Technical Approvals Mgr.

P Park NJ
100 Planten Ave

2/3/2015

Kristen Dion
EWMI
14 Brick Kiln Court
Northampton, PA 18067

Re: 83 Bushwick Place
221 Boerum Place
Brooklyn, NY 11206

Dear Kristen,

P Park NJ, LLC (P Park) has prepared this Approval Letter for EWMI with regards to material from the above referenced site. P Park has reviewed the laboratory data you provided and compared it with our current protocols for acceptance. The analytical results were reviewed for the purposes of determining if the material on the subject site is acceptable for placement at P Park located in Prospect Park, NJ. P Park is also aware that the site had entered NYC OER Volunteer Cleanup Program (14CVCP162M).

The analytical results provided support that material from specific portions of the site meet P Park's Clean Fill Protocol. All the analytical results provided, were reviewed and compared to the NJDEP Remediation Standards for Residential Direct Contact Soil Cleanup Criteria and several areas were found to be below the standards. This approval is based solely upon the information provided on this application and the following documents submitted with this application:

- Hydro Tech Environmental Remedial Investigation Report (1/13/2014).
- York Analytical Laboratories technical report #14K0230 (11/13/2014).
- York Analytical Laboratories technical report #14K0890(12/3/2014).
- York Analytical Laboratories technical report #14L0280 (12/10/2014).
- York Analytical Laboratories technical report #15A0137 (1/13/2015).

The applicant warrants that the material proposed for shipment to P Park is in fact, the same material which was tested and is represented by the sample results provided with this application. Furthermore, it is our understanding that material encountered within the scope of the 83 Bushwick Place project which does not meet P Park NJ, LLC's protocol will be sent to a separate disposal facility permitted to take the material. EWMI further warrants that a proper QA/QC plan will be in place during the excavation and loading of the material to ensure that only approved soils are sent to the P Park facility.

The material approved for import into P Park is identified in the provided data as:

- **15A0137 WC-4 (8' – 12' bgs)**

The above-referenced sample and/or grid locations MUST be noted on all manifests. The material to be accepted is per local, state and federal regulations. All soils will be accepted and managed in accordance with the facility and operational permits.

The total material approval is for 1,500 tons.

P Park NJ LLC's compliance engineers, WCD Consultants reviewed all analytical data and site background information and determined the material profiled meets our current acceptance criteria for approval and placement into the facility. Based upon our review, the results and application have been accepted and given the WCD approval # PPNJ-013015-0258 and P Park has issued the project #15-017.

All deliveries **must** be scheduled in advance with Lori Ripp via email at lripp@pparknj.com .

Please contact me if you have any questions.

Sincerely,

Gary Roth
General Manager
P. Park NJ, LLC

Appendix 9

Waste Characterization Data

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

Report Date: 11/13/2014
Client Project ID: 140309 - 83 Bushwick Place Brooklyn NY
York Project (SDG) No.: 14K0230

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 11/13/2014
Client Project ID: 140309 - 83 Bushwick Place Brooklyn NY
York Project (SDG) No.: 14K0230

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 05, 2014 and listed below. The project was identified as your project: **140309 - 83 Bushwick Place Brooklyn NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14K0230-01	WC-1	Soil	11/04/2014	11/05/2014
14K0230-02	WC-2	Soil	11/04/2014	11/05/2014
14K0230-03	WC-3	Soil	11/04/2014	11/05/2014
14K0230-04	Site Grab WC-3 (6-8')	Soil	11/04/2014	11/05/2014

General Notes for York Project (SDG) No.: 14K0230

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 11/13/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **WC-1** **York Sample ID:** **14K0230-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:00 am	11/05/2014

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	ND		mg/kg dry	0.380	0.759	1	EPA 8015D	11/10/2014 17:14	11/11/2014 12:15	SS

Volatile Organics, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
591-78-6	2-Hexanone	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
67-64-1	**Acetone**	**14**	J	ug/kg dry	7.6	15	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
107-02-8	Acrolein	ND		ug/kg dry	7.6	15	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
71-43-2	Benzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
75-25-2	Bromoform	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS

Sample Information

Client Sample ID: **WC-1** **York Sample ID:** **14K0230-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:00 am	11/05/2014

Volatile Organics, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
79-20-9	Methyl acetate	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
75-09-2	Methylene chloride	ND		ug/kg dry	7.6	15	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	7.6	15	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
100-42-5	Styrene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
108-88-3	Toluene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.8	7.6	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	11	23	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.5 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*112 %*	*85-120*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:15	SS

Sample Information

Client Sample ID: **WC-1** **York Sample ID:** **14K0230-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:00 am	11/05/2014

Semi-Volatiles, NJDEP/TCL List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
98-86-2	Acetophenone	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
120-12-7	Anthracene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
1912-24-9	Atrazine	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
92-87-5	Benzidine	ND		ug/kg dry	2680	5360	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
191-24-2	Benzo(g,h,i)perylene	ND	IS-LO	ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
65-85-0	Benzoic acid	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
105-60-2	Caprolactam	ND		ug/kg dry	1340	2670	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
86-74-8	Carbazole	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
218-01-9	Chrysene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
53-70-3	Dibenzo(a,h)anthracene	ND	IS-LO	ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR

Sample Information

Client Sample ID: WC-1 **York Sample ID:** 14K0230-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:00 am	11/05/2014

Semi-Volatiles, NJDEP/TCL List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1340	2670	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1340	2670	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
206-44-0	Fluoranthene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
86-73-7	Fluorene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-LO	ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
78-59-1	Isophorone	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
91-20-3	Naphthalene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	1340	2670	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	1340	2670	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	1340	2670	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	1340	2670	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
85-01-8	Phenanthrene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
108-95-2	Phenol	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR

Sample Information

Client Sample ID: WC-1 **York Sample ID:** 14K0230-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:00 am	11/05/2014

Semi-Volatiles, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
110-86-1	Pyridine	ND		ug/kg dry	2680	5360	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*17.6 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*31.5 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*30.0 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*45.7 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*26.6 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*45.3 %*	*10-123*

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
120-12-7	Anthracene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
191-24-2	Benzo(g,h,i)perylene	ND	IS-LO	ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
218-01-9	Chrysene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
53-70-3	Dibenzo(a,h)anthracene	ND	IS-LO	ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
206-44-0	Fluoranthene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
86-73-7	Fluorene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-LO	ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
91-20-3	Naphthalene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
85-01-8	Phenanthrene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR
129-00-0	Pyrene	ND		ug/kg dry	671	1340	5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*30.0 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*45.7 %*	*10-114*
1718-51-0	*Surrogate: Terphenyl-d14*	*45.3 %*	*10-123*

Sample Information

Client Sample ID: **WC-1** **York Sample ID:** **14K0230-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:00 am	11/05/2014

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			5	EPA 8270D	11/07/2014 19:56	11/11/2014 02:26	SR

Pesticides, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	107	107	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.6	10.6	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
5103-74-2	**gamma-Chlordane**	**10.3**		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
72-20-8	Endrin	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
60-57-1	**Dieldrin**	**5.64**		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
57-74-9	**Chlordane, total**	**79.2**		ug/kg dry	8.48	8.48	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
5103-71-9	**alpha-Chlordane**	**3.90**		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
309-00-2	Aldrin	ND		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
50-29-3	**4,4'-DDT**	**623**		ug/kg dry	21.2	21.2	50	EPA 8081B	11/12/2014 17:13	11/13/2014 16:57	JW
72-55-9	**4,4'-DDE**	**28.0**		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW
72-54-8	**4,4'-DDD**	**32.2**		ug/kg dry	2.12	2.12	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:00	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*60.4 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*69.3 %*	*30-140*

Sample Information

Client Sample ID: **WC-1** **York Sample ID:** **14K0230-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:00 am	11/05/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	11/07/2014 16:06	11/10/2014 12:31	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	11/07/2014 16:06	11/10/2014 12:31	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	11/07/2014 16:06	11/10/2014 12:31	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	11/07/2014 16:06	11/10/2014 12:31	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	11/07/2014 16:06	11/10/2014 12:31	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	11/07/2014 16:06	11/10/2014 12:31	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	11/07/2014 16:06	11/10/2014 12:31	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0214	0.0214	1	EPA 8082A	11/07/2014 16:06	11/10/2014 12:31	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*60.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.5 %*	*30-140*

Herbicides, Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B/8151A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
94-75-7	2,4-D	ND		ug/kg dry	25.7	25.7	1	EPA 8151A m	11/12/2014 06:00	11/12/2014 19:05	JW
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	25.7	25.7	1	EPA 8151A m	11/12/2014 06:00	11/12/2014 19:05	JW
93-76-5	2,4,5-T	ND		ug/kg dry	25.7	25.7	1	EPA 8151A m	11/12/2014 06:00	11/12/2014 19:05	JW

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (L*	*84.4 %*	*30-150*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**98.0**		mg/kg dry	64.2	64.2	1	NJDEP EPH Rev 3.0	11/12/2014 07:35	11/12/2014 20:30	JW

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*45.7 %*	*40-140*
84-15-1	*Surrogate: o-Terphenyl*	*45.9 %*	*40-140*

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	**118**		mg/kg dry	4.37	12.8	1	EPA 8015D	11/07/2014 19:00	11/10/2014 11:09	JW

	Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **WC-1** **York Sample ID:** **14K0230-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:00 am	11/05/2014

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
638-68-6	*Surrogate: Triacontane*	*46.2 %*			*30-150*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5920**		mg/kg dry	1.28	1.28	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-36-0	Antimony	ND		mg/kg dry	0.642	0.642	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-38-2	**Arsenic**	**6.01**		mg/kg dry	1.28	1.28	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-39-3	**Barium**	**826**		mg/kg dry	1.28	1.28	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.128	0.128	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.385	0.385	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-70-2	**Calcium**	**50300**		mg/kg dry	0.642	6.42	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-47-3	**Chromium**	**19.4**		mg/kg dry	0.642	0.642	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-48-4	**Cobalt**	**7.67**		mg/kg dry	0.642	0.642	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-50-8	**Copper**	**58.5**		mg/kg dry	0.642	0.642	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7439-89-6	**Iron**	**19500**		mg/kg dry	2.57	2.57	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7439-92-1	**Lead**	**1870**	B	mg/kg dry	0.385	0.385	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7439-95-4	**Magnesium**	**11000**		mg/kg dry	6.42	6.42	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7439-96-5	**Manganese**	**328**		mg/kg dry	0.642	0.642	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-02-0	**Nickel**	**17.0**		mg/kg dry	0.642	0.642	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-09-7	**Potassium**	**753**		mg/kg dry	6.42	6.42	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7782-49-2	**Selenium**	**7.29**		mg/kg dry	1.28	1.28	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-22-4	Silver	ND		mg/kg dry	0.642	0.642	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-23-5	**Sodium**	**149**		mg/kg dry	12.8	12.8	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-28-0	Thallium	ND		mg/kg dry	1.28	1.28	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-62-2	**Vanadium**	**24.5**		mg/kg dry	1.28	1.28	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW
7440-66-6	**Zinc**	**513**		mg/kg dry	1.28	1.28	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:06	MW

Metals, TCLP RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:20	MW
7440-39-3	**Barium**	**0.406**		mg/L	0.010	0.010	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:20	MW
7440-43-9	**Cadmium**	**0.011**		mg/L	0.003	0.003	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:20	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:20	MW
7439-92-1	**Lead**	**7.18**		mg/L	0.003	0.003	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:20	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:20	MW

Sample Information

Client Sample ID: **WC-1** **York Sample ID:** **14K0230-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:00 am	11/05/2014

Metals, TCLP RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:20	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.965**		mg/kg dry	0.0385	0.0385	1	EPA 7473	11/10/2014 11:41	11/10/2014 16:07	ALD

Mercury TCLP by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.000200	1	EPA 7473/1311	11/07/2014 10:56	11/07/2014 12:20	ALD

Ignitability

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Ignitability	Non-Ignit.		-	1	1	1	EPA 1030P	11/07/2014 09:31	11/07/2014 10:47	AA

Paint Filter Test

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Paint Filter Test	No Free Liquid		-	0	0	1	EPA 9095A	11/07/2014 09:33	11/07/2014 10:50	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.9**		%	0.100	0.100	1	SM 2540G	11/11/2014 08:25	11/11/2014 15:43	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.450	0.642	1	EPA 7196A	11/12/2014 07:39	11/12/2014 14:20	SC

Corrosivity

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **WC-1** **York Sample ID:** **14K0230-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:00 am	11/05/2014

pH	**6.91**	HT-pH	pH units		0.500	1	EPA 9045D	11/11/2014 12:21	11/11/2014 14:31	KK

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	**Cyanide, total**	**2.06**		mg/kg dry	0.642	0.642	1	EPA 9014/9010C	11/12/2014 10:49	11/12/2014 15:27	AD

Reactivity-Cyanide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Reactivity - Cyanide	ND		mg/kg	0.250	0.250	1	EPA SW-846 Ch.7.3.3	11/11/2014 13:12	11/11/2014 15:42	AD

Reactivity-Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Reactivity - Sulfide**	**32.0**		mg/kg	15.0	15.0	1	EPA SW-846 Ch.7.3.4	11/11/2014 13:14	11/11/2014 16:02	AD

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	11/06/2014 18:30	11/07/2014 13:32	KK

Sample Information

Client Sample ID: **WC-2** **York Sample ID:** **14K0230-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:10 am	11/05/2014

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	ND		mg/kg dry	0.267	0.533	1	EPA 8015D	11/10/2014 17:14	11/11/2014 12:55	SS

Volatile Organics, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS

Sample Information

Client Sample ID: WC-2 **York Sample ID:** 14K0230-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:10 am	11/05/2014

Volatile Organics, NJDEP/TCL List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
67-64-1	Acetone	ND		ug/kg dry	5.3	11	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
107-02-8	Acrolein	ND		ug/kg dry	5.3	11	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS

Sample Information

Client Sample ID: WC-2 **York Sample ID:** 14K0230-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:10 am	11/05/2014

Volatile Organics, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.0	16	1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*111 %*	*85-120*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	11/10/2014 17:14	11/11/2014 12:55	SS

Semi-Volatiles, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
98-86-2	Acetophenone	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
120-12-7	Anthracene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
1912-24-9	Atrazine	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR

Sample Information

Client Sample ID: **WC-2** **York Sample ID:** **14K0230-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:10 am	11/05/2014

Semi-Volatiles, NJDEP/TCL List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-87-5	Benzidine	ND		ug/kg dry	192	384	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
56-55-3	**Benzo(a)anthracene**	**130**		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
191-24-2	Benzo(g,h,i)perylene	ND	IS-LO	ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
65-85-0	Benzoic acid	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
105-60-2	Caprolactam	ND		ug/kg dry	95.9	192	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
86-74-8	Carbazole	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
218-01-9	**Chrysene**	**189**		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
53-70-3	Dibenzo(a,h)anthracene	ND	IS-LO	ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.9	192	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	95.9	192	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR

Sample Information

Client Sample ID: **WC-2** **York Sample ID:** **14K0230-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:10 am	11/05/2014

Semi-Volatiles, NJDEP/TCL List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
206-44-0	**Fluoranthene**	**295**		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
86-73-7	Fluorene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-LO	ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
78-59-1	Isophorone	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
91-20-3	Naphthalene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.9	192	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	95.9	192	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.9	192	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.9	192	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
85-01-8	**Phenanthrene**	**208**		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
108-95-2	Phenol	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
129-00-0	**Pyrene**	**288**		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
110-86-1	Pyridine	ND		ug/kg dry	192	384	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*15.6 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*16.8 %*	*10-108*

Sample Information

Client Sample ID: **WC-2** **York Sample ID:** **14K0230-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:10 am	11/05/2014

Semi-Volatiles, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	*Surrogate: Nitrobenzene-d5*	*13.8 %*			*10-119*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*19.5 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*13.8 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*18.7 %*			*10-123*						

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
120-12-7	Anthracene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
56-55-3	**Benzo(a)anthracene**	**130**		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
191-24-2	Benzo(g,h,i)perylene	ND	IS-LO	ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
218-01-9	**Chrysene**	**189**		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
53-70-3	Dibenzo(a,h)anthracene	ND	IS-LO	ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
206-44-0	**Fluoranthene**	**295**		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
86-73-7	Fluorene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-LO	ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
91-20-3	Naphthalene	ND		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
85-01-8	**Phenanthrene**	**208**		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR
129-00-0	**Pyrene**	**288**		ug/kg dry	48.1	95.9	2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*13.8 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*19.5 %*	*10-114*
1718-51-0	*Surrogate: Terphenyl-d14*	*18.7 %*	*10-123*

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			2	EPA 8270D	11/07/2014 19:56	11/11/2014 02:58	SR

Sample Information

Client Sample ID: **WC-2** **York Sample ID:** **14K0230-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:10 am	11/05/2014

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	96.0	96.0	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.49	9.49	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
5103-74-2	**gamma-Chlordane**	**12.1**		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
72-20-8	Endrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
60-57-1	**Dieldrin**	**7.27**		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
57-74-9	**Chlordane, total**	**103**		ug/kg dry	7.59	7.59	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
5103-71-9	**alpha-Chlordane**	**6.85**		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
309-00-2	Aldrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
50-29-3	**4,4'-DDT**	**37.3**		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
72-55-9	**4,4'-DDE**	**10.8**		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.90	1.90	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:15	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*66.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.2 %*	*30-140*

Sample Information

Client Sample ID: **WC-2** **York Sample ID:** **14K0230-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:10 am	11/05/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:00	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:00	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:00	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:00	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:00	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:00	AMC
11096-82-5	**Aroclor 1260**	**0.0388**		mg/kg dry	0.0192	0.0192	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:00	AMC
1336-36-3	*** Total PCBs**	**0.0388**		mg/kg dry	0.0192	0.0192	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:00	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*73.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*58.5 %*	*30-140*

Herbicides, Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B/8151A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
94-75-7	2,4-D	ND		ug/kg dry	23.0	23.0	1	EPA 8151A m	11/12/2014 06:00	11/12/2014 19:20	JW
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	23.0	23.0	1	EPA 8151A m	11/12/2014 06:00	11/12/2014 19:20	JW
93-76-5	2,4,5-T	ND		ug/kg dry	23.0	23.0	1	EPA 8151A m	11/12/2014 06:00	11/12/2014 19:20	JW

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (L*	*81.8 %*	*30-150*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total EPH	ND		mg/kg dry	57.5	57.5	1	NJDEP EPH Rev 3.0	11/12/2014 07:35	11/12/2014 20:58	JW

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*49.6 %*	*40-140*
84-15-1	*Surrogate: o-Terphenyl*	*48.1 %*	*40-140*

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	**67.0**		mg/kg dry	3.91	11.5	1	EPA 8015D	11/07/2014 19:00	11/10/2014 12:05	JW

	Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **WC-2** **York Sample ID:** **14K0230-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:10 am	11/05/2014

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
638-68-6	*Surrogate: Triacontane*	*55.2 %*			*30-150*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11700**		mg/kg dry	1.15	1.15	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-36-0	Antimony	ND		mg/kg dry	0.575	0.575	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-38-2	**Arsenic**	**5.79**		mg/kg dry	1.15	1.15	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-39-3	**Barium**	**186**		mg/kg dry	1.15	1.15	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.345	0.345	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-70-2	**Calcium**	**7770**		mg/kg dry	0.575	5.75	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-47-3	**Chromium**	**18.6**		mg/kg dry	0.575	0.575	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-48-4	**Cobalt**	**8.10**		mg/kg dry	0.575	0.575	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-50-8	**Copper**	**42.5**		mg/kg dry	0.575	0.575	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7439-89-6	**Iron**	**25800**		mg/kg dry	2.30	2.30	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7439-92-1	**Lead**	**458**	B	mg/kg dry	0.345	0.345	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7439-95-4	**Magnesium**	**2950**		mg/kg dry	5.75	5.75	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7439-96-5	**Manganese**	**471**		mg/kg dry	0.575	0.575	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-02-0	**Nickel**	**23.0**		mg/kg dry	0.575	0.575	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-09-7	**Potassium**	**784**		mg/kg dry	5.75	5.75	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7782-49-2	**Selenium**	**5.94**		mg/kg dry	1.15	1.15	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-22-4	Silver	ND		mg/kg dry	0.575	0.575	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-23-5	**Sodium**	**89.2**		mg/kg dry	11.5	11.5	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-62-2	**Vanadium**	**32.7**		mg/kg dry	1.15	1.15	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW
7440-66-6	**Zinc**	**211**		mg/kg dry	1.15	1.15	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:14	MW

Metals, TCLP RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:25	MW
7440-39-3	**Barium**	**0.751**		mg/L	0.010	0.010	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:25	MW
7440-43-9	**Cadmium**	**0.005**		mg/L	0.003	0.003	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:25	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:25	MW
7439-92-1	**Lead**	**1.30**		mg/L	0.003	0.003	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:25	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:25	MW

Sample Information

Client Sample ID: **WC-2** **York Sample ID:** **14K0230-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:10 am	11/05/2014

Metals, TCLP RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:25	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.398**		mg/kg dry	0.0345	0.0345	1	EPA 7473	11/10/2014 11:41	11/10/2014 16:20	ALD

Mercury TCLP by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.000200	1	EPA 7473/1311	11/07/2014 10:56	11/07/2014 12:20	ALD

Ignitability

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Ignitability	Non-Ignit.		-	1	1	1	EPA 1030P	11/07/2014 09:31	11/07/2014 10:47	AA

Paint Filter Test

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Paint Filter Test	No Free Liquid		-	0	0	1	EPA 9095A	11/07/2014 09:33	11/07/2014 10:50	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.0**		%	0.100	0.100	1	SM 2540G	11/11/2014 08:25	11/11/2014 15:43	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.402	0.575	1	EPA 7196A	11/12/2014 07:39	11/12/2014 14:20	SC

Corrosivity

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **WC-2** **York Sample ID:** **14K0230-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:10 am	11/05/2014

pH	**8.80**	HT-pH	pH units	0.500	1	EPA 9045D	11/11/2014 12:21	11/11/2014 14:31	KK

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	**Cyanide, total**	**0.690**		mg/kg dry	0.575	0.575	1	EPA 9014/9010C	11/12/2014 10:49	11/12/2014 15:27	AD

Reactivity-Cyanide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Reactivity - Cyanide	ND		mg/kg	0.250	0.250	1	EPA SW-846 Ch.7.3.3	11/11/2014 13:12	11/11/2014 15:42	AD

Reactivity-Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Reactivity - Sulfide**	**40.0**		mg/kg	15.0	15.0	1	EPA SW-846 Ch.7.3.4	11/11/2014 13:14	11/11/2014 16:02	AD

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	11/06/2014 18:30	11/07/2014 13:32	KK

Sample Information

Client Sample ID: **WC-3** **York Sample ID:** **14K0230-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:20 am	11/05/2014

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	ND		mg/kg dry	0.266	0.532	1	EPA 8015D	11/10/2014 17:14	11/11/2014 13:35	SS

Volatile Organics, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS

Sample Information

Client Sample ID: WC-3 **York Sample ID:** 14K0230-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:20 am	11/05/2014

Volatile Organics, NJDEP/TCL List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
67-64-1	Acetone	ND		ug/kg dry	5.3	11	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
107-02-8	Acrolein	ND		ug/kg dry	5.3	11	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS

Sample Information

Client Sample ID: WC-3 **York Sample ID:** 14K0230-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:20 am	11/05/2014

Volatile Organics, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.0	16	1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*117 %*	*85-120*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	11/10/2014 17:14	11/11/2014 13:35	SS

Semi-Volatiles, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
98-86-2	Acetophenone	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
120-12-7	Anthracene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
1912-24-9	Atrazine	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR

Sample Information

Client Sample ID: **WC-3** **York Sample ID:** **14K0230-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:20 am	11/05/2014

Semi-Volatiles, NJDEP/TCL List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-87-5	Benzidine	ND		ug/kg dry	2430	4870	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
56-55-3	**Benzo(a)anthracene**	**1740**		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
191-24-2	Benzo(g,h,i)perylene	ND	IS-LO	ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
65-85-0	Benzoic acid	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
105-60-2	Caprolactam	ND		ug/kg dry	1210	2430	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
86-74-8	Carbazole	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
218-01-9	**Chrysene**	**2490**		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
53-70-3	Dibenzo(a,h)anthracene	ND	IS-LO	ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1210	2430	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1210	2430	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR

Sample Information

Client Sample ID: **WC-3** **York Sample ID:** **14K0230-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:20 am	11/05/2014

Semi-Volatiles, NJDEP/TCL List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
206-44-0	**Fluoranthene**	**5520**		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
86-73-7	Fluorene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-LO	ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
78-59-1	Isophorone	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
91-20-3	Naphthalene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	1210	2430	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	1210	2430	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	1210	2430	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	1210	2430	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
85-01-8	**Phenanthrene**	**3620**		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
108-95-2	Phenol	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
129-00-0	**Pyrene**	**4860**		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
110-86-1	Pyridine	ND		ug/kg dry	2430	4870	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*26.5 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*32.2 %*	*10-108*

Sample Information

Client Sample ID: **WC-3** **York Sample ID:** **14K0230-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:20 am	11/05/2014

Semi-Volatiles, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	*Surrogate: Nitrobenzene-d5*	*24.0 %*			*10-119*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*46.7 %*			*10-114*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*24.3 %*			*10-106*						
1718-51-0	*Surrogate: Terphenyl-d14*	*41.8 %*			*10-123*						

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
120-12-7	Anthracene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
56-55-3	**Benzo(a)anthracene**	**1740**		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
191-24-2	Benzo(g,h,i)perylene	ND	IS-LO	ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
218-01-9	**Chrysene**	**2490**		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
53-70-3	Dibenzo(a,h)anthracene	ND	IS-LO	ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
206-44-0	**Fluoranthene**	**5520**		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
86-73-7	Fluorene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-LO	ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
91-20-3	Naphthalene	ND		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
85-01-8	**Phenanthrene**	**3620**		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR
129-00-0	**Pyrene**	**4860**		ug/kg dry	609	1210	5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*24.0 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*46.7 %*	*10-114*
1718-51-0	*Surrogate: Terphenyl-d14*	*41.8 %*	*10-123*

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			5	EPA 8270D	11/07/2014 19:56	11/11/2014 03:30	SR

Sample Information

Client Sample ID: **WC-3** **York Sample ID:** **14K0230-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:20 am	11/05/2014

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	97.3	97.3	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.61	9.61	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
5103-74-2	**gamma-Chlordane**	**6.12**		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
72-20-8	Endrin	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
60-57-1	**Dieldrin**	**2.64**		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
57-74-9	**Chlordane, total**	**50.5**		ug/kg dry	7.69	7.69	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
5103-71-9	**alpha-Chlordane**	**2.86**		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
309-00-2	Aldrin	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
50-29-3	**4,4'-DDT**	**17.9**		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
72-55-9	**4,4'-DDE**	**3.14**		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.92	1.92	5	EPA 8081B	11/12/2014 17:13	11/13/2014 16:30	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*67.9 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.4 %*	*30-140*

Sample Information

Client Sample ID: WC-3 **York Sample ID:** 14K0230-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:20 am	11/05/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:29	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:29	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:29	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:29	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:29	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:29	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:29	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0194	0.0194	1	EPA 8082A	11/07/2014 16:06	11/10/2014 13:29	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*74.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*57.0 %*	*30-140*

Herbicides, Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B/8151A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
94-75-7	2,4-D	ND		ug/kg dry	23.3	23.3	1	EPA 8151A m	11/12/2014 06:00	11/12/2014 19:35	JW
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	23.3	23.3	1	EPA 8151A m	11/12/2014 06:00	11/12/2014 19:35	JW
93-76-5	2,4,5-T	ND		ug/kg dry	23.3	23.3	1	EPA 8151A m	11/12/2014 06:00	11/12/2014 19:35	JW

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (L*	*92.0 %*	*30-150*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**74.5**		mg/kg dry	58.3	58.3	1	NJDEP EPH Rev 3.0	11/13/2014 12:30	11/13/2014 14:14	JW

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*70.1 %*	*40-140*
84-15-1	*Surrogate: o-Terphenyl*	*62.0 %*	*40-140*

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	**50.8**		mg/kg dry	3.96	11.7	1	EPA 8015D	11/07/2014 19:00	11/10/2014 12:33	JW

	Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **WC-3** **York Sample ID:** **14K0230-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:20 am	11/05/2014

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
638-68-6	*Surrogate: Triacontane*	*37.4 %*			*30-150*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11500**		mg/kg dry	1.17	1.17	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-36-0	Antimony	ND		mg/kg dry	0.583	0.583	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-38-2	**Arsenic**	**3.88**		mg/kg dry	1.17	1.17	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-39-3	**Barium**	**126**		mg/kg dry	1.17	1.17	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.117	0.117	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.350	0.350	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-70-2	**Calcium**	**4700**		mg/kg dry	0.583	5.83	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-47-3	**Chromium**	**16.5**		mg/kg dry	0.583	0.583	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-48-4	**Cobalt**	**7.12**		mg/kg dry	0.583	0.583	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-50-8	**Copper**	**16.2**		mg/kg dry	0.583	0.583	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7439-89-6	**Iron**	**19000**		mg/kg dry	2.33	2.33	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7439-92-1	**Lead**	**182**	B	mg/kg dry	0.350	0.350	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7439-95-4	**Magnesium**	**2590**		mg/kg dry	5.83	5.83	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7439-96-5	**Manganese**	**441**		mg/kg dry	0.583	0.583	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-02-0	**Nickel**	**21.2**		mg/kg dry	0.583	0.583	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-09-7	**Potassium**	**667**		mg/kg dry	5.83	5.83	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7782-49-2	**Selenium**	**4.56**		mg/kg dry	1.17	1.17	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-22-4	Silver	ND		mg/kg dry	0.583	0.583	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-23-5	**Sodium**	**79.8**		mg/kg dry	11.7	11.7	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-28-0	Thallium	ND		mg/kg dry	1.17	1.17	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-62-2	**Vanadium**	**25.6**		mg/kg dry	1.17	1.17	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW
7440-66-6	**Zinc**	**86.9**		mg/kg dry	1.17	1.17	1	EPA 6010C	11/10/2014 13:56	11/10/2014 22:19	MW

Metals, TCLP RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:31	MW
7440-39-3	**Barium**	**1.04**		mg/L	0.010	0.010	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:31	MW
7440-43-9	**Cadmium**	**0.004**		mg/L	0.003	0.003	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:31	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:31	MW
7439-92-1	**Lead**	**1.99**		mg/L	0.003	0.003	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:31	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:31	MW

Sample Information

Client Sample ID: **WC-3** **York Sample ID:** **14K0230-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:20 am	11/05/2014

Metals, TCLP RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C/1311	11/07/2014 18:08	11/11/2014 04:31	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.345**		mg/kg dry	0.0350	0.0350	1	EPA 7473	11/10/2014 11:41	11/10/2014 16:28	ALD

Mercury TCLP by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.000200	1	EPA 7473/1311	11/07/2014 10:56	11/07/2014 12:20	ALD

Ignitability

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Ignitability	Non-Ignit.		-	1	1	1	EPA 1030P	11/07/2014 09:31	11/07/2014 10:47	AA

Paint Filter Test

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Paint Filter Test	No Free Liquid		-	0	0	1	EPA 9095A	11/07/2014 09:33	11/07/2014 10:50	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.8**		%	0.100	0.100	1	SM 2540G	11/11/2014 08:25	11/11/2014 15:43	SCA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.408	0.583	1	EPA 7196A	11/12/2014 07:39	11/12/2014 14:20	SC

Corrosivity

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **WC-3** **York Sample ID:** **14K0230-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:20 am	11/05/2014

pH	**8.96**	HT-pH	pH units	0.500	1	EPA 9045D	11/11/2014 12:21	11/11/2014 14:31	KK

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.583	0.583	1	EPA 9014/9010C	11/12/2014 10:49	11/12/2014 15:27	AD

Reactivity-Cyanide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Reactivity - Cyanide	ND		mg/kg	0.250	0.250	1	EPA SW-846 Ch.7.3.3	11/11/2014 13:12	11/11/2014 15:42	AD

Reactivity-Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Reactivity - Sulfide**	**32.0**		mg/kg	15.0	15.0	1	EPA SW-846 Ch.7.3.4	11/11/2014 13:14	11/11/2014 16:02	AD

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	11/06/2014 18:30	11/07/2014 13:32	KK

Sample Information

Client Sample ID: **Site Grab WC-3 (6-8')** **York Sample ID:** **14K0230-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:30 am	11/05/2014

Metals, TCLP RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C/1311	11/10/2014 18:08	11/11/2014 04:36	MW
7440-39-3	**Barium**	**0.890**		mg/L	0.010	0.010	1	EPA 6010C/1311	11/10/2014 18:08	11/11/2014 04:36	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C/1311	11/10/2014 18:08	11/11/2014 04:36	MW
7440-47-3	**Chromium**	**0.007**		mg/L	0.005	0.005	1	EPA 6010C/1311	11/10/2014 18:08	11/11/2014 04:36	MW
7439-92-1	**Lead**	**1.40**		mg/L	0.003	0.003	1	EPA 6010C/1311	11/10/2014 18:08	11/11/2014 04:36	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C/1311	11/10/2014 18:08	11/11/2014 04:36	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C/1311	11/10/2014 18:08	11/11/2014 04:36	MW

Sample Information

Client Sample ID: **Site Grab WC-3 (6-8')** **York Sample ID:** **14K0230-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0230	140309 - 83 Bushwick Place Brooklyn NY	Soil	November 4, 2014 9:30 am	11/05/2014

Mercury TCLP by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.000200	1	EPA 7473/1311	11/11/2014 10:56	11/11/2014 12:34	ALD

Paint Filter Test

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Paint Filter Test	No Free Liquid		-	0	0	1	EPA 9095A	11/07/2014 09:33	11/07/2014 10:50	AA

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	11/07/2014 17:00	11/10/2014 10:38	KK

Analytical Batch Summary

Batch ID: BK40257 **Preparation Method:** EPA SW 846-1311 TCLP ext. for met **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/06/14
14K0230-02	WC-2	11/06/14
14K0230-03	WC-3	11/06/14
BK40257-BLK1	Blank	11/06/14

Batch ID: BK40286 **Preparation Method:** Analysis Preparation **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/07/14
14K0230-02	WC-2	11/07/14
14K0230-03	WC-3	11/07/14

Batch ID: BK40287 **Preparation Method:** Analysis Preparation **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/07/14
14K0230-02	WC-2	11/07/14
14K0230-03	WC-3	11/07/14
14K0230-04	Site Grab WC-3 (6-8')	11/07/14

Batch ID: BK40294 **Preparation Method:** EPA 7473 water **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/07/14
14K0230-02	WC-2	11/07/14
14K0230-03	WC-3	11/07/14
BK40294-BLK1	Blank	11/07/14
BK40294-SRM1	Reference	11/07/14

Batch ID: BK40302 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/07/14
14K0230-02	WC-2	11/07/14
14K0230-03	WC-3	11/07/14
BK40302-BLK1	Blank	11/07/14
BK40302-BS1	LCS	11/07/14
BK40302-BSD1	LCS Dup	11/07/14

Batch ID: BK40305 **Preparation Method:** EPA 3545A **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date

14K0230-01	WC-1	11/07/14
14K0230-02	WC-2	11/07/14
14K0230-03	WC-3	11/07/14
BK40305-BLK1	Blank	11/07/14
BK40305-BS1	LCS	11/07/14
BK40305-BSD1	LCS Dup	11/07/14

Batch ID: BK40306 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/07/14
14K0230-02	WC-2	11/07/14
14K0230-03	WC-3	11/07/14
BK40306-BLK1	Blank	11/07/14
BK40306-BS1	LCS	11/07/14
BK40306-BSD1	LCS Dup	11/07/14

Batch ID: BK40314 **Preparation Method:** EPA SW 846-1311 TCLP ext. for met **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-04	Site Grab WC-3 (6-8')	11/07/14
BK40314-BLK1	Blank	11/07/14

Batch ID: BK40332 **Preparation Method:** EPA 3010A/1311 **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/07/14
14K0230-02	WC-2	11/07/14
14K0230-03	WC-3	11/07/14
14K0230-04	Site Grab WC-3 (6-8')	11/10/14
BK40332-BLK1	Blank	11/07/14
BK40332-BLK2	Blank	11/07/14
BK40332-SRM1	Reference	11/07/14

Batch ID: BK40388 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/10/14
14K0230-02	WC-2	11/10/14
14K0230-03	WC-3	11/10/14
BK40388-BLK1	Blank	11/10/14
BK40388-SRM1	Reference	11/10/14

Batch ID: BK40399 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/10/14
14K0230-02	WC-2	11/10/14

14K0230-03	WC-3	11/10/14
BK40399-BLK1	Blank	11/10/14
BK40399-SRM1	Reference	11/10/14

Batch ID: BK40418 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/10/14
14K0230-01	WC-1	11/10/14
14K0230-02	WC-2	11/10/14
14K0230-02	WC-2	11/10/14
14K0230-03	WC-3	11/10/14
14K0230-03	WC-3	11/10/14
BK40418-BLK1	Blank	11/10/14
BK40418-BS1	LCS	11/10/14

Batch ID: BK40439 **Preparation Method:** % Solids Prep **Prepared By:** SCA

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/11/14
14K0230-02	WC-2	11/11/14
14K0230-03	WC-3	11/11/14

Batch ID: BK40455 **Preparation Method:** EPA 7473 water **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-04	Site Grab WC-3 (6-8')	11/11/14
BK40455-BLK1	Blank	11/11/14
BK40455-DUP1	Duplicate	11/11/14
BK40455-MS1	Matrix Spike	11/11/14
BK40455-SRM1	Reference	11/11/14

Batch ID: BK40462 **Preparation Method:** Analysis Preparation **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/11/14
14K0230-02	WC-2	11/11/14
14K0230-03	WC-3	11/11/14

Batch ID: BK40470 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/11/14
14K0230-02	WC-2	11/11/14
14K0230-03	WC-3	11/11/14
BK40470-BLK1	Blank	11/11/14

Batch ID: BK40471 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/11/14
14K0230-02	WC-2	11/11/14
14K0230-03	WC-3	11/11/14
BK40471-BLK1	Blank	11/11/14
BK40471-BS1	LCS	11/11/14

Batch ID: BK40506 **Preparation Method:** EPA 3550B/8151A **Prepared By:** TFD

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/12/14
14K0230-02	WC-2	11/12/14
14K0230-03	WC-3	11/12/14
BK40506-BLK1	Blank	11/12/14
BK40506-BS1	LCS	11/12/14
BK40506-BSD1	LCS Dup	11/12/14

Batch ID: BK40512 **Preparation Method:** EPA 3545_A **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/12/14
14K0230-02	WC-2	11/12/14
BK40512-BLK1	Blank	11/12/14
BK40512-BS1	LCS	11/12/14
BK40512-BSD1	LCS Dup	11/12/14

Batch ID: BK40514 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/12/14
14K0230-02	WC-2	11/12/14
14K0230-03	WC-3	11/12/14
BK40514-BLK1	Blank	11/12/14
BK40514-SRM1	Reference	11/12/14

Batch ID: BK40524 **Preparation Method:** Analysis Preparation Soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/12/14
14K0230-02	WC-2	11/12/14
14K0230-03	WC-3	11/12/14
BK40524-BLK1	Blank	11/12/14
BK40524-SRM1	Reference	11/12/14

Batch ID: BK40542 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-01	WC-1	11/12/14
14K0230-02	WC-2	11/12/14
14K0230-03	WC-3	11/12/14
BK40542-BLK1	Blank	11/12/14
BK40542-BS1	LCS	11/12/14
BK40542-BSD1	LCS Dup	11/12/14

Batch ID: BK40586 **Preparation Method:** EPA 3545_A **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
14K0230-03	WC-3	11/13/14
BK40586-BLK1	Blank	11/13/14
BK40586-BS1	LCS	11/13/14
BK40586-BSD1	LCS Dup	11/13/14

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40418 - EPA 5035A											
Blank (BK40418-BLK1)											Prepared: 11/10/2014 Analyzed: 11/11/2014
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
Tentatively Identified Compounds	0.0		"								
Total Petroleum Hydrocarbons-GRO	ND	0.500	mg/kg wet								
1,1,1-Trichloroethane	ND	5.0	ug/kg wet								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40418 - EPA 5035A											
Blank (BK40418-BLK1)								Prepared: 11/10/2014 Analyzed: 11/11/2014			
trans-1,2-Dichloroethylene	ND	5.0	ug/kg wet								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*47.5*		*ug/L*	*50.0*		*95.0*	*77-125*				
Surrogate: p-Bromofluorobenzene	*49.2*		*"*	*50.0*		*98.3*	*76-130*				
Surrogate: Toluene-d8	*56.2*		*"*	*50.0*		*112*	*85-120*				
LCS (BK40418-BS1)								Prepared: 11/10/2014 Analyzed: 11/11/2014			
1,1,1,2-Tetrachloroethane	61		ug/L	50.0		121	75-129				
1,1,1-Trichloroethane	50		"	50.0		99.3	71-137				
1,1,2,2-Tetrachloroethane	61		"	50.0		122	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49		"	50.0		97.1	58-146				
1,1,2-Trichloroethane	60		"	50.0		120	83-123				
1,1-Dichloroethane	49		"	50.0		97.9	75-130				
1,1-Dichloroethylene	48		"	50.0		95.9	64-137				
1,2,4-Trichlorobenzene	64		"	50.0		128	80-141				
1,2-Dibromo-3-chloropropane	81		"	50.0		161	74-142	High Bias			
1,2-Dibromoethane	62		"	50.0		124	86-123	High Bias			
1,2-Dichlorobenzene	58		"	50.0		115	85-122				
1,2-Dichloroethane	50		"	50.0		101	71-133				
1,2-Dichloropropane	56		"	50.0		112	81-122				
1,3-Dichlorobenzene	54		"	50.0		109	84-124				
1,4-Dichlorobenzene	56		"	50.0		112	84-124				
2-Butanone	64		"	50.0		128	58-147				
2-Hexanone	71		"	50.0		143	70-139	High Bias			
4-Methyl-2-pentanone	71		"	50.0		141	72-132	High Bias			
Acetone	50		"	50.0		99.3	36-155				
Acrolein	46		"	50.0		92.3	10-238				
Acrylonitrile	58		"	50.0		116	66-141				
Benzene	45		"	50.0		89.8	77-127				
Bromodichloromethane	60		"	50.0		120	81-124				
Bromoform	66		"	50.0		131	80-136				
Bromomethane	44		"	50.0		87.0	32-177				
Carbon disulfide	46		"	50.0		92.3	10-136				
Carbon tetrachloride	50		"	50.0		101	66-143				
Chlorobenzene	54		"	50.0		108	86-120				
Chloroethane	46		"	50.0		91.5	51-142				
Chloroform	44		"	50.0		87.9	76-131				
Chloromethane	44		"	50.0		88.7	49-132				
cis-1,2-Dichloroethylene	47		"	50.0		93.8	74-132				
cis-1,3-Dichloropropylene	57		"	50.0		113	81-129				
Dibromochloromethane	62		"	50.0		124	10-200				
Dibromomethane	60		"	50.0		120	83-124				
Dichlorodifluoromethane	38		"	50.0		77.0	28-158				
Ethyl Benzene	56		"	50.0		112	84-125				
Hexachlorobutadiene	63		"	50.0		125	83-133				
Isopropylbenzene	56		"	50.0		113	81-127				
Methyl acetate	55		"	50.0		110	41-143				
Methyl tert-butyl ether (MTBE)	54		"	50.0		108	74-131				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40418 - EPA 5035A											
LCS (BK40418-BS1)							Prepared: 11/10/2014 Analyzed: 11/11/2014				
Methylene chloride	45		ug/L	50.0		90.1	57-141				
o-Xylene	55		"	50.0		110	83-123				
p- & m- Xylenes	110		"	100		109	82-128				
p-Isopropyltoluene	56		"	50.0		111	85-125				
Styrene	55		"	50.0		110	86-126				
tert-Butyl alcohol (TBA)	64		"	50.0		127	70-130				
Tetrachloroethylene	64		"	50.0		127	80-129				
Toluene	55		"	50.0		110	85-121				
trans-1,2-Dichloroethylene	48		"	50.0		96.7	72-132				
trans-1,3-Dichloropropylene	61		"	50.0		122	78-132				
Trichloroethylene	56		"	50.0		113	84-123				
Trichlorofluoromethane	47		"	50.0		94.0	62-140				
Vinyl Chloride	46		"	50.0		91.4	52-130				
Surrogate: 1,2-Dichloroethane-d4	*51.6*		*"*	*50.0*		*103*	*77-125*				
Surrogate: p-Bromofluorobenzene	*52.4*		*"*	*50.0*		*105*	*76-130*				
Surrogate: Toluene-d8	*55.6*		*"*	*50.0*		*111*	*85-120*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40302 - EPA 3550C											
Blank (BK40302-BLK1)									Prepared: 11/07/2014 Analyzed: 11/10/2014		
Acenaphthene	ND	41.7	ug/kg wet								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Acetophenone	ND	41.7	"								
Anthracene	ND	41.7	"								
Anthracene	ND	41.7	"								
Benzo(a)anthracene	ND	41.7	"								
Atrazine	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzaldehyde	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzidine	ND	167	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Chrysene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Benzoic acid	ND	41.7	"								
Fluorene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
Naphthalene	ND	41.7	"								
1,1'-Biphenyl	ND	41.7	"								
Phenanthrene	ND	41.7	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
Pyrene	ND	41.7	"								
Caprolactam	ND	83.3	"								
Carbazole	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
1,2-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40302 - EPA 3550C											
Blank (BK40302-BLK1)								Prepared: 11/07/2014 Analyzed: 11/10/2014			
3,3'-Dichlorobenzidine	ND	41.7	ug/kg wet								
2,4-Dichlorophenol	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
Naphthalene	ND	41.7	"								
4-Nitroaniline	ND	83.3	"								
2-Nitroaniline	ND	83.3	"								
3-Nitroaniline	ND	83.3	"								
Nitrobenzene	ND	41.7	"								
4-Nitrophenol	ND	83.3	"								
2-Nitrophenol	ND	41.7	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
2,4,5-Trichlorophenol	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
Surrogate: 2-Fluorophenol	*1230*		*"*	*2510*		*49.0*	*10-99*				
Surrogate: Phenol-d5	*1060*		*"*	*2510*		*42.1*	*10-108*				
Surrogate: Nitrobenzene-d5	*703*		*"*	*1670*		*42.2*	*10-119*				
Surrogate: Nitrobenzene-d5	*703*		*"*	*1670*		*42.2*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*825*		*"*	*1680*		*49.2*	*10-114*				
Surrogate: 2-Fluorobiphenyl	*825*		*"*	*1680*		*49.2*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*908*		*"*	*2510*		*36.2*	*10-106*				
Surrogate: Terphenyl-d14	*1340*		*"*	*1670*		*80.0*	*10-123*				
Surrogate: Terphenyl-d14	*1340*		*"*	*1670*		*80.0*	*10-123*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40302 - EPA 3550C											
LCS (BK40302-BS1)								Prepared: 11/07/2014 Analyzed: 11/10/2014			
Acenaphthene	988	41.7	ug/kg wet	1670		59.3	17-124				
Acenaphthene	988	41.7	"	1670		59.3	17-124				
Acenaphthylene	907	41.7	"	1670		54.4	16-124				
Acenaphthylene	907	41.7	"	1670		54.4	16-124				
Acetophenone	846	41.7	"	1670		50.8	28-105				
Anthracene	1010	41.7	"	1670		60.4	24-124				
Anthracene	1010	41.7	"	1670		60.4	24-124				
Benzo(a)anthracene	1010	41.7	"	1670		60.7	25-134				
Atrazine	997	41.7	"	1670		59.8	22-120				
Benzo(a)pyrene	1030	41.7	"	1670		61.9	29-144				
Benzaldehyde	721	41.7	"	1670		43.2	21-100				
Benzo(b)fluoranthene	994	41.7	"	1670		59.6	20-151				
Benzo(g,h,i)perylene	967	41.7	"	1670		58.0	10-153				
Benzo(a)anthracene	1010	41.7	"	1670		60.7	25-134				
Benzo(k)fluoranthene	990	41.7	"	1670		59.4	10-148				
Benzo(a)pyrene	1030	41.7	"	1670		61.9	29-144				
Chrysene	1060	41.7	"	1670		63.4	24-116				
Benzo(b)fluoranthene	994	41.7	"	1670		59.6	20-151				
Dibenzo(a,h)anthracene	1010	41.7	"	1670		60.9	17-147				
Benzo(g,h,i)perylene	967	41.7	"	1670		58.0	10-153				
Fluoranthene	1020	41.7	"	1670		61.3	36-125				
Benzoic acid	855	41.7	"	1670		51.3	10-116				
Fluorene	1000	41.7	"	1670		60.3	16-130				
Benzo(k)fluoranthene	990	41.7	"	1670		59.4	10-148				
Indeno(1,2,3-cd)pyrene	1020	41.7	"	1670		61.5	10-155				
2-Methylnaphthalene	1080	41.7	"	1670		65.0	16-127				
Benzyl alcohol	958	41.7	"	1670		57.5	17-128				
Benzyl butyl phthalate	993	41.7	"	1670		59.6	10-132				
Naphthalene	972	41.7	"	1670		58.3	20-121				
1,1'-Biphenyl	902	41.7	"	1670		54.1	22-103				
Phenanthrene	1060	41.7	"	1670		63.7	24-123				
4-Bromophenyl phenyl ether	988	41.7	"	1670		59.3	30-138				
Pyrene	1070	41.7	"	1670		64.3	24-132				
Caprolactam	1040	83.3	"	1670		62.6	10-123				
Carbazole	1150	41.7	"	1670		69.0	31-120				
4-Chloro-3-methylphenol	945	41.7	"	1670		56.7	16-138				
4-Chloroaniline	1000	41.7	"	1670		60.1	10-117				
Bis(2-chloroethoxy)methane	1080	41.7	"	1670		65.1	10-129				
Bis(2-chloroethyl)ether	917	41.7	"	1670		55.0	14-125				
Bis(2-chloroisopropyl)ether	1010	41.7	"	1670		60.5	14-122				
2-Chloronaphthalene	986	41.7	"	1670		59.2	22-115				
2-Chlorophenol	812	41.7	"	1670		48.7	25-121				
4-Chlorophenyl phenyl ether	1080	41.7	"	1670		64.7	18-132				
Chrysene	1060	41.7	"	1670		63.4	24-116				
Dibenzo(a,h)anthracene	1010	41.7	"	1670		60.9	17-147				
Dibenzofuran	1020	41.7	"	1670		61.1	23-123				
Di-n-butyl phthalate	981	41.7	"	1670		58.8	19-123				
1,2-Dichlorobenzene	824	41.7	"	1670		49.5	26-113				
1,4-Dichlorobenzene	780	41.7	"	1670		46.8	28-111				
1,3-Dichlorobenzene	818	41.7	"	1670		49.1	32-113				
3,3'-Dichlorobenzidine	1310	41.7	"	1670		78.7	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40302 - EPA 3550C											
LCS (BK40302-BS1)								Prepared: 11/07/2014 Analyzed: 11/10/2014			
2,4-Dichlorophenol	1060	41.7	ug/kg wet	1670		63.4	23-133				
Diethyl phthalate	983	41.7	"	1670		59.0	23-122				
2,4-Dimethylphenol	1060	41.7	"	1670		63.3	15-131				
Dimethyl phthalate	983	41.7	"	1670		59.0	28-127				
4,6-Dinitro-2-methylphenol	1140	83.3	"	1670		68.2	10-149				
2,4-Dinitrophenol	888	83.3	"	1670		53.3	10-149				
2,4-Dinitrotoluene	1150	41.7	"	1670		69.0	30-123				
2,6-Dinitrotoluene	1050	41.7	"	1670		62.8	30-125				
Di-n-octyl phthalate	1020	41.7	"	1670		61.0	10-132				
1,2-Diphenylhydrazine (as Azobenzene)	1020	41.7	"	1670		61.4	10-140				
Bis(2-ethylhexyl)phthalate	986	41.7	"	1670		59.2	10-141				
Fluoranthene	1020	41.7	"	1670		61.3	36-125				
Fluorene	1000	41.7	"	1670		60.3	16-130				
Hexachlorobenzene	840	41.7	"	1670		50.4	10-129				
Hexachlorobutadiene	878	41.7	"	1670		52.7	22-153				
Hexachlorocyclopentadiene	233	41.7	"	1670		14.0	10-134				
Hexachloroethane	735	41.7	"	1670		44.1	20-112				
Indeno(1,2,3-cd)pyrene	1020	41.7	"	1670		61.5	10-155				
Isophorone	891	41.7	"	1670		53.5	14-131				
2-Methylnaphthalene	1080	41.7	"	1670		65.0	16-127				
2-Methylphenol	998	41.7	"	1670		59.9	10-146				
3- & 4-Methylphenols	789	41.7	"	1670		47.4	20-109				
Naphthalene	972	41.7	"	1670		58.3	20-121				
4-Nitroaniline	1210	83.3	"	1670		72.3	14-125				
2-Nitroaniline	1020	83.3	"	1670		61.5	24-126				
3-Nitroaniline	977	83.3	"	1670		58.6	23-123				
Nitrobenzene	858	41.7	"	1670		51.5	20-121				
4-Nitrophenol	55.0	83.3	"	1670		3.30	10-136	Low Bias			
2-Nitrophenol	927	41.7	"	1670		55.6	17-129				
N-nitroso-di-n-propylamine	897	41.7	"	1670		53.8	21-119				
N-Nitrosodimethylamine	709	41.7	"	1670		42.5	10-124				
N-Nitrosodiphenylamine	1390	41.7	"	1670		83.2	10-163				
Pentachlorophenol	735	41.7	"	1670		44.1	10-143				
Phenanthrene	1060	41.7	"	1670		63.7	24-123				
Phenol	965	41.7	"	1670		57.9	15-123				
Pyrene	1070	41.7	"	1670		64.3	24-132				
Pyridine	548	167	"	1670		32.9	10-92				
1,2,4-Trichlorobenzene	992	41.7	"	1670		59.5	23-130				
2,4,5-Trichlorophenol	979	41.7	"	1670		58.7	14-138				
2,4,6-Trichlorophenol	1030	41.7	"	1670		61.8	27-122				
Surrogate: 2-Fluorophenol	*1240*		*"*	*2510*		*49.2*	*10-99*				
Surrogate: Phenol-d5	*1430*		*"*	*2510*		*57.0*	*10-108*				
Surrogate: Nitrobenzene-d5	*800*		*"*	*1670*		*48.0*	*10-119*				
Surrogate: Nitrobenzene-d5	*800*		*"*	*1670*		*48.0*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*992*		*"*	*1680*		*59.2*	*10-114*				
Surrogate: 2-Fluorobiphenyl	*992*		*"*	*1680*		*59.2*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*1220*		*"*	*2510*		*48.9*	*30-130*				
Surrogate: Terphenyl-d14	*1070*		*"*	*1670*		*63.7*	*10-123*				
Surrogate: Terphenyl-d14	*1070*		*"*	*1670*		*63.7*	*10-123*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40302 - EPA 3550C											
LCS Dup (BK40302-BSD1)								Prepared: 11/07/2014 Analyzed: 11/10/2014			
Acenaphthene	1170	41.7	ug/kg wet	1670		70.4	17-124		17.2	30	
Acenaphthene	1170	41.7	"	1670		70.4	17-124		17.2	30	
Acenaphthylene	1080	41.7	"	1670		64.6	16-124		17.0	30	
Acenaphthylene	1080	41.7	"	1670		64.6	16-124		17.0	30	
Acetophenone	955	41.7	"	1670		57.3	28-105		12.1	30	
Anthracene	1220	41.7	"	1670		73.3	24-124		19.3	30	
Anthracene	1220	41.7	"	1670		73.3	24-124		19.3	30	
Benzo(a)anthracene	1250	41.7	"	1670		75.2	25-134		21.4	30	
Atrazine	1220	41.7	"	1670		73.0	22-120		19.9	30	
Benzo(a)pyrene	1180	41.7	"	1670		70.7	29-144		13.2	30	
Benzaldehyde	869	41.7	"	1670		52.2	21-100		18.7	30	
Benzo(b)fluoranthene	1200	41.7	"	1670		71.8	20-151		18.5	30	
Benzo(g,h,i)perylene	1180	41.7	"	1670		70.8	10-153		19.8	30	
Benzo(a)anthracene	1250	41.7	"	1670		75.2	25-134		21.4	30	
Benzo(k)fluoranthene	1210	41.7	"	1670		72.7	10-148		20.2	30	
Benzo(a)pyrene	1180	41.7	"	1670		70.7	29-144		13.2	30	
Chrysene	1270	41.7	"	1670		76.4	24-116		18.7	30	
Benzo(b)fluoranthene	1200	41.7	"	1670		71.8	20-151		18.5	30	
Dibenzo(a,h)anthracene	1270	41.7	"	1670		76.4	17-147		22.7	30	
Benzo(g,h,i)perylene	1180	41.7	"	1670		70.8	10-153		19.8	30	
Fluoranthene	1280	41.7	"	1670		76.7	36-125		22.3	30	
Benzoic acid	1100	41.7	"	1670		66.0	10-116		25.0	30	
Fluorene	1190	41.7	"	1670		71.7	16-130		17.3	30	
Benzo(k)fluoranthene	1210	41.7	"	1670		72.7	10-148		20.2	30	
Indeno(1,2,3-cd)pyrene	1270	41.7	"	1670		76.3	10-155		21.5	30	
2-Methylnaphthalene	1190	41.7	"	1670		71.4	16-127		9.44	30	
Benzyl alcohol	1060	41.7	"	1670		63.6	17-128		10.0	30	
Benzyl butyl phthalate	1210	41.7	"	1670		72.5	10-132		19.5	30	
Naphthalene	1080	41.7	"	1670		64.7	20-121		10.5	30	
1,1'-Biphenyl	1040	41.7	"	1670		62.1	22-103		13.8	30	
Phenanthrene	1300	41.7	"	1670		77.8	24-123		19.8	30	
4-Bromophenyl phenyl ether	1190	41.7	"	1670		71.2	30-138		18.2	30	
Pyrene	1290	41.7	"	1670		77.3	24-132		18.4	30	
Caprolactam	1220	83.3	"	1670		72.9	10-123		15.2	30	
Carbazole	1390	41.7	"	1670		83.2	31-120		18.6	30	
4-Chloro-3-methylphenol	1130	41.7	"	1670		67.6	16-138		17.6	30	
4-Chloroaniline	1180	41.7	"	1670		70.5	10-117		15.9	30	
Bis(2-chloroethoxy)methane	1260	41.7	"	1670		75.7	10-129		15.1	30	
Bis(2-chloroethyl)ether	1030	41.7	"	1670		62.0	14-125		11.9	30	
Bis(2-chloroisopropyl)ether	1100	41.7	"	1670		65.9	14-122		8.55	30	
2-Chloronaphthalene	1130	41.7	"	1670		67.8	22-115		13.6	30	
2-Chlorophenol	911	41.7	"	1670		54.7	25-121		11.5	30	
4-Chlorophenyl phenyl ether	1270	41.7	"	1670		76.5	18-132		16.7	30	
Chrysene	1270	41.7	"	1670		76.4	24-116		18.7	30	
Dibenzo(a,h)anthracene	1270	41.7	"	1670		76.4	17-147		22.7	30	
Dibenzofuran	1180	41.7	"	1670		70.7	23-123		14.6	30	
Di-n-butyl phthalate	1210	41.7	"	1670		72.8	19-123		21.2	30	
1,2-Dichlorobenzene	935	41.7	"	1670		56.1	26-113		12.5	30	
1,4-Dichlorobenzene	889	41.7	"	1670		53.3	28-111		13.0	30	
1,3-Dichlorobenzene	909	41.7	"	1670		54.5	32-113		10.5	30	
3,3'-Dichlorobenzidine	1700	41.7	"	1670		102	10-147		25.8	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40302 - EPA 3550C											
LCS Dup (BK40302-BSD1)								Prepared: 11/07/2014 Analyzed: 11/10/2014			
2,4-Dichlorophenol	1160	41.7	ug/kg wet	1670		69.9	23-133		9.75	30	
Diethyl phthalate	1180	41.7	"	1670		70.9	23-122		18.4	30	
2,4-Dimethylphenol	1140	41.7	"	1670		68.3	15-131		7.60	30	
Dimethyl phthalate	1180	41.7	"	1670		70.7	28-127		18.1	30	
4,6-Dinitro-2-methylphenol	1430	83.3	"	1670		86.1	10-149		23.2	30	
2,4-Dinitrophenol	1020	83.3	"	1670		61.0	10-149		13.6	30	
2,4-Dinitrotoluene	1410	41.7	"	1670		84.5	30-123		20.2	30	
2,6-Dinitrotoluene	1280	41.7	"	1670		76.5	30-125		19.7	30	
Di-n-octyl phthalate	1240	41.7	"	1670		74.5	10-132		19.9	30	
1,2-Diphenylhydrazine (as Azobenzene)	1190	41.7	"	1670		71.4	10-140		15.1	30	
Bis(2-ethylhexyl)phthalate	1180	41.7	"	1670		70.6	10-141		17.7	30	
Fluoranthene	1280	41.7	"	1670		76.7	36-125		22.3	30	
Fluorene	1190	41.7	"	1670		71.7	16-130		17.3	30	
Hexachlorobenzene	1030	41.7	"	1670		61.8	10-129		20.3	30	
Hexachlorobutadiene	1010	41.7	"	1670		60.5	22-153		13.7	30	
Hexachlorocyclopentadiene	318	41.7	"	1670		19.1	10-134		31.0	30	Non-dir.
Hexachloroethane	795	41.7	"	1670		47.7	20-112		7.85	30	
Indeno(1,2,3-cd)pyrene	1270	41.7	"	1670		76.3	10-155		21.5	30	
Isophorone	997	41.7	"	1670		59.8	14-131		11.2	30	
2-Methylnaphthalene	1190	41.7	"	1670		71.4	16-127		9.44	30	
2-Methylphenol	1730	41.7	"	1670		104	10-146		53.5	30	Non-dir.
3- & 4-Methylphenols	885	41.7	"	1670		53.1	20-109		11.4	30	
Naphthalene	1080	41.7	"	1670		64.7	20-121		10.5	30	
4-Nitroaniline	1510	83.3	"	1670		90.8	14-125		22.6	30	
2-Nitroaniline	1300	83.3	"	1670		78.3	24-126		24.1	30	
3-Nitroaniline	1310	83.3	"	1670		78.5	23-123		29.1	30	
Nitrobenzene	934	41.7	"	1670		56.0	20-121		8.48	30	
4-Nitrophenol	65.7	83.3	"	1670		3.94	10-136	Low Bias	17.7	30	
2-Nitrophenol	1080	41.7	"	1670		65.0	17-129		15.5	30	
N-nitroso-di-n-propylamine	985	41.7	"	1670		59.1	21-119		9.39	30	
N-Nitrosodimethylamine	834	41.7	"	1670		50.1	10-124		16.2	30	
N-Nitrosodiphenylamine	1690	41.7	"	1670		101	10-163		19.6	30	
Pentachlorophenol	931	41.7	"	1670		55.9	10-143		23.5	30	
Phenanthrene	1300	41.7	"	1670		77.8	24-123		19.8	30	
Phenol	1050	41.7	"	1670		63.3	15-123		8.85	30	
Pyrene	1290	41.7	"	1670		77.3	24-132		18.4	30	
Pyridine	545	167	"	1670		32.7	10-92		0.549	30	
1,2,4-Trichlorobenzene	1120	41.7	"	1670		67.0	23-130		11.9	30	
2,4,5-Trichlorophenol	1080	41.7	"	1670		64.6	14-138		9.47	30	
2,4,6-Trichlorophenol	1150	41.7	"	1670		69.0	27-122		10.9	30	
Surrogate: 2-Fluorophenol	*1320*		*"*	*2510*		*52.6*	*10-99*				
Surrogate: Phenol-d5	*1580*		*"*	*2510*		*63.0*	*10-108*				
Surrogate: Nitrobenzene-d5	*876*		*"*	*1670*		*52.5*	*10-119*				
Surrogate: Nitrobenzene-d5	*876*		*"*	*1670*		*52.5*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*1140*		*"*	*1680*		*68.2*	*10-114*				
Surrogate: 2-Fluorobiphenyl	*1140*		*"*	*1680*		*68.2*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*1430*		*"*	*2510*		*57.2*	*30-130*				
Surrogate: Terphenyl-d14	*1260*		*"*	*1670*		*75.3*	*10-123*				
Surrogate: Terphenyl-d14	*1260*		*"*	*1670*		*75.3*	*10-123*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40542 - EPA 3550C											
Blank (BK40542-BLK1)								Prepared: 11/12/2014 Analyzed: 11/13/2014			
Toxaphene	ND	16.7	ug/kg wet								
Methoxychlor	ND	1.65	"								
Heptachlor epoxide	ND	0.330	"								
Heptachlor	ND	0.330	"								
gamma-Chlordane	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Endrin ketone	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Dieldrin	ND	0.330	"								
delta-BHC	ND	0.330	"								
Chlordane, total	ND	1.32	"								
beta-BHC	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
alpha-BHC	ND	0.330	"								
Aldrin	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
4,4'-DDE	ND	0.330	"								
4,4'-DDD	ND	0.330	"								
Surrogate: Tetrachloro-m-xylene	*21.2*		*"*	*66.7*		*31.8*	*30-140*				
Surrogate: Decachlorobiphenyl	*22.0*		*"*	*66.7*		*33.0*	*30-140*				
LCS (BK40542-BS1)								Prepared: 11/12/2014 Analyzed: 11/13/2014			
Methoxychlor	22.8	1.65	ug/kg wet	33.3		68.4	40-140				
Heptachlor epoxide	21.9	0.330	"	33.3		65.7	40-140				
Heptachlor	21.7	0.330	"	33.3		65.2	40-140				
gamma-Chlordane	22.1	0.330	"	33.3		66.2	40-140				
gamma-BHC (Lindane)	23.9	0.330	"	33.3		71.7	40-140				
Endrin ketone	24.2	0.330	"	33.3		72.6	40-140				
Endrin aldehyde	18.4	0.330	"	33.3		55.3	40-140				
Endrin	24.4	0.330	"	33.3		73.1	40-140				
Endosulfan sulfate	22.8	0.330	"	33.3		68.5	40-140				
Endosulfan II	23.3	0.330	"	33.3		69.9	40-140				
Endosulfan I	23.1	0.330	"	33.3		69.2	40-140				
Dieldrin	23.1	0.330	"	33.3		69.4	40-140				
delta-BHC	23.9	0.330	"	33.3		71.8	40-140				
beta-BHC	24.0	0.330	"	33.3		71.9	40-140				
alpha-Chlordane	22.9	0.330	"	33.3		68.6	40-140				
alpha-BHC	24.0	0.330	"	33.3		72.1	40-140				
Aldrin	23.5	0.330	"	33.3		70.4	40-140				
4,4'-DDT	24.8	0.330	"	33.3		74.3	40-140				
4,4'-DDE	24.0	0.330	"	33.3		72.1	40-140				
4,4'-DDD	25.6	0.330	"	33.3		76.7	40-140				
Surrogate: Tetrachloro-m-xylene	*48.5*		*"*	*66.7*		*72.8*	*30-140*				
Surrogate: Decachlorobiphenyl	*49.4*		*"*	*66.7*		*74.1*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40542 - EPA 3550C											
LCS Dup (BK40542-BSD1)								Prepared: 11/12/2014 Analyzed: 11/13/2014			
Methoxychlor	23.5	1.65	ug/kg wet	33.3		70.4	40-140		2.98	30	
Heptachlor epoxide	22.8	0.330	"	33.3		68.3	40-140		3.94	30	
Heptachlor	22.9	0.330	"	33.3		68.6	40-140		5.17	30	
gamma-Chlordane	23.1	0.330	"	33.3		69.2	40-140		4.41	30	
gamma-BHC (Lindane)	25.1	0.330	"	33.3		75.4	40-140		5.02	30	
Endrin ketone	24.8	0.330	"	33.3		74.4	40-140		2.37	30	
Endrin aldehyde	19.2	0.330	"	33.3		57.7	40-140		4.22	30	
Endrin	25.4	0.330	"	33.3		76.1	40-140		4.12	30	
Endosulfan sulfate	23.0	0.330	"	33.3		69.0	40-140		0.736	30	
Endosulfan II	24.2	0.330	"	33.3		72.5	40-140		3.75	30	
Endosulfan I	24.1	0.330	"	33.3		72.4	40-140		4.44	30	
Dieldrin	23.9	0.330	"	33.3		71.6	40-140		3.05	30	
delta-BHC	25.1	0.330	"	33.3		75.4	40-140		4.88	30	
beta-BHC	25.1	0.330	"	33.3		75.2	40-140		4.44	30	
alpha-Chlordane	23.8	0.330	"	33.3		71.4	40-140		3.94	30	
alpha-BHC	25.4	0.330	"	33.3		76.1	40-140		5.45	30	
Aldrin	24.6	0.330	"	33.3		73.8	40-140		4.68	30	
4,4'-DDT	25.7	0.330	"	33.3		77.2	40-140		3.83	30	
4,4'-DDE	25.0	0.330	"	33.3		74.9	40-140		3.79	30	
4,4'-DDD	26.6	0.330	"	33.3		79.7	40-140		3.88	30	
Surrogate: Tetrachloro-m-xylene	*46.8*		*"*	*66.7*		*70.3*	*30-140*				
Surrogate: Decachlorobiphenyl	*47.8*		*"*	*66.7*		*71.7*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40306 - EPA 3550C											
Blank (BK40306-BLK1)								Prepared: 11/07/2014 Analyzed: 11/10/2014			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0550*		*"*	*0.0667*		*82.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0483*		*"*	*0.0667*		*72.5*	*30-140*				
LCS (BK40306-BS1)								Prepared: 11/07/2014 Analyzed: 11/10/2014			
Aroclor 1016	0.335	0.0167	mg/kg wet	0.333		100	40-130				
Aroclor 1260	0.332	0.0167	"	0.333		99.7	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0547*		*"*	*0.0667*		*82.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0463*		*"*	*0.0667*		*69.5*	*30-140*				
LCS Dup (BK40306-BSD1)								Prepared: 11/07/2014 Analyzed: 11/10/2014			
Aroclor 1016	0.346	0.0167	mg/kg wet	0.333		104	40-130		3.21	25	
Aroclor 1260	0.336	0.0167	"	0.333		101	40-130		0.938	25	
Surrogate: Tetrachloro-m-xylene	*0.0573*		*"*	*0.0667*		*86.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0457*		*"*	*0.0667*		*68.5*	*30-140*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40506 - EPA 3550B/8151A											
Blank (BK40506-BLK1)							Prepared & Analyzed: 11/12/2014				
2,4-D	ND	20.0	ug/kg wet								
2,4,5-TP (Silvex)	ND	20.0	"								
2,4,5-T	ND	20.0	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*569*		*"*	*500*		*114*	*30-150*				
LCS (BK40506-BS1)							Prepared & Analyzed: 11/12/2014				
2,4-D	155	20.0	ug/kg wet	160		96.9	40-140				
2,4,5-TP (Silvex)	157	20.0	"	160		98.1	40-140				
2,4,5-T	163	20.0	"	160		102	40-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*522*		*"*	*500*		*104*	*30-150*				
LCS Dup (BK40506-BSD1)							Prepared & Analyzed: 11/12/2014				
2,4-D	147	20.0	ug/kg wet	160		91.9	40-140		5.30	30	
2,4,5-TP (Silvex)	157	20.0	"	160		98.1	40-140		0.00	30	
2,4,5-T	161	20.0	"	160		101	40-140		1.23	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*458*		*"*	*500*		*91.6*	*30-150*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40305 - EPA 3545A											
Blank (BK40305-BLK1)								Prepared: 11/07/2014 Analyzed: 11/10/2014			
Total Petroleum Hydrocarbons-DRO	ND	10.0	mg/kg wet								
Surrogate: Triacontane	*5.02*		*"*	*10.0*		*50.2*	*30-150*				
LCS (BK40305-BS1)								Prepared: 11/07/2014 Analyzed: 11/10/2014			
Total Petroleum Hydrocarbons-DRO	94.2	10.0	mg/kg wet	172		54.8	40-140				
Surrogate: Triacontane	*4.42*		*"*	*10.0*		*44.2*	*30-150*				
LCS Dup (BK40305-BSD1)								Prepared: 11/07/2014 Analyzed: 11/10/2014			
Total Petroleum Hydrocarbons-DRO	109	10.0	mg/kg wet	172		63.1	40-140		14.2	30	
Surrogate: Triacontane	*4.87*		*"*	*10.0*		*48.7*	*30-150*				
Batch BK40512 - EPA 3545_A											
Blank (BK40512-BLK1)								Prepared & Analyzed: 11/12/2014			
Total EPH	ND	50.0	mg/kg wet								
Surrogate: 1-Chlorooctadecane	*8.84*		*"*	*10.0*		*88.4*	*40-140*				
Surrogate: o-Terphenyl	*9.01*		*"*	*10.0*		*90.1*	*40-140*				
LCS (BK40512-BS1)								Prepared & Analyzed: 11/12/2014			
Total EPH	298	50.0	mg/kg wet	360		82.8	40-140				
Surrogate: 1-Chlorooctadecane	*10.3*		*"*	*10.0*		*103*	*40-140*				
Surrogate: o-Terphenyl	*9.62*		*"*	*10.0*		*96.2*	*40-140*				
LCS Dup (BK40512-BSD1)								Prepared & Analyzed: 11/12/2014			
Total EPH	282	50.0	mg/kg wet	360		78.4	40-140		5.47	30	
Surrogate: 1-Chlorooctadecane	*9.81*		*"*	*10.0*		*98.1*	*40-140*				
Surrogate: o-Terphenyl	*9.16*		*"*	*10.0*		*91.6*	*40-140*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40586 - EPA 3545_A											
Blank (BK40586-BLK1)							Prepared & Analyzed: 11/13/2014				
Total EPH	ND	50.0	mg/kg wet								
Surrogate: 1-Chlorooctadecane	*8.79*		*"*	*10.0*		*87.9*	*40-140*				
Surrogate: o-Terphenyl	*8.93*		*"*	*10.0*		*89.3*	*40-140*				
LCS (BK40586-BS1)							Prepared & Analyzed: 11/13/2014				
Total EPH	285	50.0	mg/kg wet	360		79.2	40-140				
Surrogate: 1-Chlorooctadecane	*9.75*		*"*	*10.0*		*97.5*	*40-140*				
Surrogate: o-Terphenyl	*9.19*		*"*	*10.0*		*91.9*	*40-140*				
LCS Dup (BK40586-BSD1)							Prepared & Analyzed: 11/13/2014				
Total EPH	290	50.0	mg/kg wet	360		80.4	40-140		1.60	30	
Surrogate: 1-Chlorooctadecane	*10.0*		*"*	*10.0*		*100*	*40-140*				
Surrogate: o-Terphenyl	*9.37*		*"*	*10.0*		*93.7*	*40-140*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40332 - EPA 3010A/1311											
Blank (BK40332-BLK1)								Prepared: 11/07/2014 Analyzed: 11/11/2014			
Arsenic	ND	0.004	mg/L								
Barium	ND	0.010	"								
Cadmium	ND	0.003	"								
Chromium	ND	0.005	"								
Lead	ND	0.003	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Blank (BK40332-BLK2)								Prepared: 11/07/2014 Analyzed: 11/11/2014			
Arsenic	ND	0.004	mg/L								
Barium	ND	0.010	"								
Cadmium	ND	0.003	"								
Chromium	ND	0.005	"								
Lead	ND	0.003	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Reference (BK40332-SRM1)								Prepared: 11/07/2014 Analyzed: 11/11/2014			
Arsenic	0.377	0.004	mg/L	0.438		86.0	83.3-116				
Barium	0.366	0.010	"	0.365		100	84.9-115				
Cadmium	0.307	0.003	"	0.334		92.0	85-115				
Chromium	0.753	0.005	"	0.797		94.4	84.9-115				
Lead	1.39	0.003	"	1.47		94.7	85-115				
Selenium	0.449	0.010	"	0.521		86.2	85-115				
Silver	0.348	0.005	"	0.384		90.7	84.9-115				
Batch BK40399 - EPA 3050B											
Blank (BK40399-BLK1)								Prepared & Analyzed: 11/10/2014			
Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	0.341	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40399 - EPA 3050B											
Reference (BK40399-SRM1)							Prepared & Analyzed: 11/10/2014				
Aluminum	7070	1.00	mg/kg wet	8740		80.9	41.6-158				
Antimony	119	0.500	"	108		111	23-255				
Arsenic	141	1.00	"	151		93.5	70.9-130				
Barium	250	1.00	"	262		95.6	73.7-126				
Beryllium	124	0.100	"	133		93.4	75.1-125				
Cadmium	136	0.300	"	152		89.2	73-126				
Calcium	6060	5.00	"	6400		94.6	73.9-126				
Chromium	105	0.500	"	117		90.2	69.7-130				
Cobalt	67.3	0.500	"	68.7		98.0	74.4-126				
Copper	66.8	0.500	"	68.6		97.3	73.2-129				
Iron	10900	2.00	"	12300		89.0	30.5-170				
Lead	230	0.300	"	254		90.4	75.6-125				
Magnesium	3210	5.00	"	3600		89.3	68.3-132				
Manganese	529	0.500	"	563		93.9	77.4-123				
Nickel	309	0.500	"	315		98.1	74.3-127				
Potassium	2610	5.00	"	3040		85.8	62.5-137				
Selenium	153	1.00	"	162		94.2	67.3-132				
Silver	39.5	0.500	"	44.3		89.1	66.4-124				
Sodium	692	10.0	"	746		92.8	56.8-143				
Thallium	240	1.00	"	259		92.8	69.5-131				
Vanadium	105	1.00	"	116		90.6	67.5-132				
Zinc	272	1.00	"	306		88.9	71.9-133				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40294 - EPA 7473 water											
Blank (BK40294-BLK1)								Prepared & Analyzed: 11/07/2014			
Mercury	ND	0.000200	mg/L								
Reference (BK40294-SRM1)								Prepared & Analyzed: 11/07/2014			
Mercury	0.00212		mg/L	0.00230		92.3	61.3-135				
Batch BK40388 - EPA 7473 soil											
Blank (BK40388-BLK1)								Prepared & Analyzed: 11/10/2014			
Mercury	ND	0.0300	mg/kg wet								
Reference (BK40388-SRM1)								Prepared & Analyzed: 11/10/2014			
Mercury	3.2416		mg/kg	3.73		86.9	68.6-131				
Batch BK40455 - EPA 7473 water											
Blank (BK40455-BLK1)								Prepared & Analyzed: 11/11/2014			
Mercury	ND	0.000200	mg/L								
Duplicate (BK40455-DUP1)	*Source sample: 14K0230-04 (Site Grab WC-3 (6-8'))							Prepared & Analyzed: 11/11/2014			
Mercury	ND	0.000200	mg/L		ND					20	
Matrix Spike (BK40455-MS1)	*Source sample: 14K0230-04 (Site Grab WC-3 (6-8'))							Prepared & Analyzed: 11/11/2014			
Mercury	0.00171		mg/L	0.00200	ND	85.5	75-125				
Reference (BK40455-SRM1)								Prepared & Analyzed: 11/11/2014			
Mercury	0.00146		mg/L	0.00230		63.3	61.3-135				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40257 - EPA SW 846-1311 TCLP ext. for metals											
Blank (BK40257-BLK1)								Prepared: 11/06/2014 Analyzed: 11/07/2014			
TCLP Extraction	Completed	1.00	N/A								
Batch BK40314 - EPA SW 846-1311 TCLP ext. for metals											
Blank (BK40314-BLK1)								Prepared: 11/07/2014 Analyzed: 11/10/2014			
TCLP Extraction	Completed	1.00	N/A								
Batch BK40470 - Analysis Preparation											
Blank (BK40470-BLK1)								Prepared & Analyzed: 11/11/2014			
Reactivity - Cyanide	ND	0.250	mg/kg								
Batch BK40471 - Analysis Preparation											
Blank (BK40471-BLK1)								Prepared & Analyzed: 11/11/2014			
Reactivity - Sulfide	ND	15.0	mg/kg								
LCS (BK40471-BS1)								Prepared & Analyzed: 11/11/2014			
Reactivity - Sulfide	232	15.0	mg/kg	250		92.8	30-150				
Batch BK40514 - EPA SW846-3060											
Blank (BK40514-BLK1)								Prepared & Analyzed: 11/12/2014			
Chromium, Hexavalent	ND	0.500	mg/kg wet								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK40514 - EPA SW846-3060											
Reference (BK40514-SRM1)								Prepared & Analyzed: 11/12/2014			
Chromium, Hexavalent	85.6		mg/L	125		68.5	20.2-180				
Batch BK40524 - Analysis Preparation Soil											
Blank (BK40524-BLK1)								Prepared & Analyzed: 11/12/2014			
Cyanide, total	ND	0.500	mg/kg wet								
Reference (BK40524-SRM1)								Prepared & Analyzed: 11/12/2014			
Cyanide, total	72.0		ug/mL	59.3		121	38.4-202				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14K0230-01	WC-1	40mL Vial with Stir Bar-Cool 4° C
14K0230-02	WC-2	40mL Vial with Stir Bar-Cool 4° C
14K0230-03	WC-3	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PF-01	No Free Liquid
M-DB	Analyte in Method Blank >MDL. Sample conc. >10 X blank conc.
M-BCCB	Analyte in CCB > MDL. Sample conc. >10 X blank conc.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
IGN-01	Non-Ignit.
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
EXT-COMP	Completed
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 14K0230

YOUR Information		Report to:		Invoice To:		Your Project ID	Turn-Around Time	
Company:	Hydro Tech Env Corp	SAME	X	SAME		#140309 83 Bushwick Place Brooklyn, NY	RUSH-Same Day	
Address:	15 Ocean Ave, 2nd Floor	Name:		Name:	Muslima Ward		RUSH-Next Day	
	Brooklyn NY 11225	Company:		Company:	Hydro Tech Env	Purchase Order #	RUSH-Two Day	
Phone.:	(718) 636-0800	Address:		Address:	77 Arkay Drive Suite G		RUSH-Three Day	
Contact:	Morgan Violette				Hauppauge, NY 11788	7066	RUSH-Four Day	
E-mail:	mviolette@hydrotechenvironmental.com	E-mail:		E-mail	mward@hydrotechenvir	Samples from CT__NY_X_NJ__	Standard (5-7day)	X

Report/Deliverable Type	
Summary Report	X
QA Report	X
CT RCP	
CT RCP DQA/DUE Pkg	
NY ASP A Package	
NY ASP B Package	
NJDEP Reduced Deliv	
Excel	X
NYSDEC EQuIS	
NJDEP SRP HazSite	
EQuIS	
GIS/KEY (std)	
YORK Regulatory Comp Excel compared to:	
OTHER:	

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Morgan Violette
Samples Collected/Authorized By (Signature)

Morgan Violette
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indis. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
WC-1	11/4/2014 @ 0900	S	Beneficial reuse: hybrid testing for Clean Earth Carteret, Soil Safe of Logan Township, P Park NJ, NJ Commercial/Residential Beneficial Reuse parameters	1 TC set, 1 8 oz jar
WC-2	11/4/2014 @ 0910	S		1 TC set, 1 8 oz jar
WC-3	11/4/2014 @ 0920	S		1 TC set, 1 8 oz jar
Site Grab WC-3 (6-8')	11/4/2014 @ 0930	S	TCLP Metals and Paint Filter	1 8 oz jar

Comments:

Refer to Clean Earth Carteret and Soil Safe Logan Township testing requirements attached.

Preservation (check all applicable)

4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____
ZnAc ____ Ascorbic Acid ____ Other ____

Special Instructions

Field Filtered ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temp on
M Violette	11-5-14@1045	TC Mahl	11/5/14 1815	0.4 5.1°C

14K0230

Clean Earth Sampling Protocol
Carteret

PARAMETERS		TPH	TOTAL VOLATILE ORGANICS	PAHs	TOTAL METALS RCRA	TCLP METALS RCRA	IGNITABILITY	CORROSIVITY (PH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs
METHODS (1)		8015M	8260B	8270	6010	1311/6010	1010A	9040C	SW846 CHAPTER 7.3	8082A
	FREQUENCY									
RESIDENTIAL	5 point grab composite every 100 cy (1 grab/20 cy)	X								
	8 point grab composite every 800 cy (1 grab/100 cy)		X							
Limit		<15,000				Below RCRA Toxicity Level	Negative	>2 - <12.5	Sulfide <500 Cyanide <250	<2
COMMERCIAL	5 point grab composite every 100 cy (1 grab/20 cy)	X								
	8 point grab composite every 800 cy (1 grab/100 cy)		X	X	X	X	X	X	X	X
Limit		<15,000			End Use Criteria	Below RCRA Toxicity Level	Negative	>2 - <12.5	Sulfide <500 Cyanide <250	<2

(1) The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should always be utilized by the laboratory.

This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based items such as site history, levels of contamination and/or source of contamination, etc.

14K0230

Soil Safe

Material Characterization Report

Logan Township, New Jersey

Sampling and Analysis Requirements for Residential or Commercial Sites (No PCB's or PAH's are suspected or known)

Analysis	Method	Frequency
TPH	8015	One composite every 100 cubic yards
VOC	8260	One grab every 800 cubic yards
Total Metals *Arsenic, Antimony, Barium, Beryllium, Cadmium, Copper, Lead, Nickel, Thallium, Zinc*	6010	One composite every 800 cubic yards
TCLP Metals *Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver*	1311/6010	One per Site
Paint Filter	9095	One per Site

Sampling and Analysis Requirements for Industrial Sites and Non-Qualifying Residential/ Commercial Sites (in addition to the above)

PCB's	8082	One composite every 800 cubic yards
PAH's	8270	One composite every 800 cubic yards

Additional Analysis

We understand that project volumes are estimates and many times volume increases will require additional testing to meet Soil Safe's Permit frequency requirements. Additional testing is the responsibility of each client. Arrangements can be made with Soil Safe to aid in additional testing. Please contact your Sales Representative to discuss any additional testing needs.

Load Inspection

Every vehicle delivering soil will be inspected for commingled waste. Such wastes include concrete, asphalt, brick, block, non-recyclable trash, steel, and other recyclable materials. Any load found to contain greater than permitted levels will be considered non-conforming. (See below).

Sample and Analysis Certification

I certify that soils were sampled as noted above and the results are representative of the stated volume to be shipped to Soil Safe, Inc.

X Signature: _____

Site Diagram (please sketch or attach drawing showing source of soil on project site)

Rev: 2008.02

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

Report Date: 12/03/2014
Client Project ID: #140309 83 Bushwick Pl Brooklyn, NY
York Project (SDG) No.: 14K0890

Report Date: 12/03/2014
Client Project ID: #140309 83 Bushwick Pl Brooklyn, NY
York Project (SDG) No.: 14K0890

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 25, 2014 and listed below. The project was identified as your project: **#140309 83 Bushwick Pl Brooklyn, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14K0890-01	Grid #1 EP-1	Soil	11/24/2014	11/25/2014
14K0890-02	Grid #1 EP-2	Soil	11/24/2014	11/25/2014
14K0890-03	Grid #1 EP-3	Soil	11/24/2014	11/25/2014
14K0890-04	Grid #1 EP-4	Soil	11/24/2014	11/25/2014
14K0890-05	Grid #1 EP-5	Soil	11/24/2014	11/25/2014

General Notes for York Project (SDG) No.: 14K0890

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 12/03/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **Grid #1 EP-1** **York Sample ID:** **14K0890-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0890	#140309 83 Bushwick Pl Brooklyn, NY	Soil	November 24, 2014 11:45 am	11/25/2014

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**245**		mg/kg dry	3.64	3.64	10	EPA 6010C	12/02/2014 14:43	12/03/2014 00:48	MW

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**1.46**		mg/L	0.00300	0.00300	1	EPA 6010C/1311	12/02/2014 14:59	12/03/2014 09:00	MW

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.4**		%	0.100	0.100	1	SM 2540G	12/02/2014 10:32	12/03/2014 10:44	SCA

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	12/01/2014 17:20	12/02/2014 13:58	KK

Sample Information

Client Sample ID: **Grid #1 EP-2** **York Sample ID:** **14K0890-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0890	#140309 83 Bushwick Pl Brooklyn, NY	Soil	November 24, 2014 11:47 am	11/25/2014

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**79.7**		mg/kg dry	3.64	3.64	10	EPA 6010C	12/02/2014 14:43	12/03/2014 00:52	MW

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**1.21**		mg/L	0.00300	0.00300	1	EPA 6010C/1311	12/02/2014 14:59	12/03/2014 09:05	MW

Sample Information

Client Sample ID: **Grid #1 EP-2** **York Sample ID:** **14K0890-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0890	#140309 83 Bushwick Pl Brooklyn, NY	Soil	November 24, 2014 11:47 am	11/25/2014

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.5**		%	0.100	0.100	1	SM 2540G	12/02/2014 10:32	12/03/2014 10:44	SCA

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	12/01/2014 17:20	12/02/2014 13:58	KK

Sample Information

Client Sample ID: **Grid #1 EP-3** **York Sample ID:** **14K0890-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0890	#140309 83 Bushwick Pl Brooklyn, NY	Soil	November 24, 2014 11:49 am	11/25/2014

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**1280**		mg/kg dry	3.74	3.74	10	EPA 6010C	12/02/2014 14:43	12/03/2014 01:10	MW

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**1.57**		mg/L	0.00300	0.00300	1	EPA 6010C/1311	12/02/2014 14:59	12/03/2014 09:11	MW

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.2**		%	0.100	0.100	1	SM 2540G	12/02/2014 10:32	12/03/2014 10:44	SCA

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	12/01/2014 17:20	12/02/2014 13:58	KK

Sample Information

Client Sample ID: **Grid #1 EP-3** **York Sample ID:** **14K0890-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0890	#140309 83 Bushwick Pl Brooklyn, NY	Soil	November 24, 2014 11:49 am	11/25/2014

Sample Information

Client Sample ID: **Grid #1 EP-4** **York Sample ID:** **14K0890-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0890	#140309 83 Bushwick Pl Brooklyn, NY	Soil	November 24, 2014 11:51 am	11/25/2014

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**744**		mg/kg dry	3.49	3.49	10	EPA 6010C	12/02/2014 14:43	12/03/2014 01:14	MW

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**1.16**		mg/L	0.00300	0.00300	1	EPA 6010C/1311	12/02/2014 14:59	12/03/2014 09:29	MW

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.1**		%	0.100	0.100	1	SM 2540G	12/02/2014 10:32	12/03/2014 10:44	SCA

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	12/01/2014 17:20	12/02/2014 13:58	KK

Sample Information

Client Sample ID: **Grid #1 EP-5** **York Sample ID:** **14K0890-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0890	#140309 83 Bushwick Pl Brooklyn, NY	Soil	November 24, 2014 11:53 am	11/25/2014

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **Grid #1 EP-5** **York Sample ID:** **14K0890-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0890	#140309 83 Bushwick Pl Brooklyn, NY	Soil	November 24, 2014 11:53 am	11/25/2014

7439-92-1	**Lead**	**8.81**	mg/kg dry	3.37	3.37	10	EPA 6010C	12/02/2014 14:43	12/03/2014 01:20	MW

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.222**		mg/L	0.00300	0.00300	1	EPA 6010C/1311	12/02/2014 14:59	12/03/2014 09:35	MW

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.9**		%	0.100	0.100	1	SM 2540G	12/02/2014 10:34	12/03/2014 10:50	SCA

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	12/01/2014 17:20	12/02/2014 13:58	KK

Analytical Batch Summary

Batch ID: BL40067 **Preparation Method:** EPA SW 846-1311 TCLP ext. for met **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14K0890-01	Grid #1 EP-1	12/01/14
14K0890-02	Grid #1 EP-2	12/01/14
14K0890-03	Grid #1 EP-3	12/01/14
14K0890-04	Grid #1 EP-4	12/01/14
14K0890-05	Grid #1 EP-5	12/01/14
BL40067-BLK1	Blank	12/01/14

Batch ID: BL40099 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14K0890-01	Grid #1 EP-1	12/02/14
14K0890-02	Grid #1 EP-2	12/02/14
14K0890-03	Grid #1 EP-3	12/02/14
14K0890-04	Grid #1 EP-4	12/02/14
BL40099-DUP1	Duplicate	12/02/14

Batch ID: BL40100 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14K0890-05	Grid #1 EP-5	12/02/14

Batch ID: BL40126 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14K0890-01	Grid #1 EP-1	12/02/14
14K0890-02	Grid #1 EP-2	12/02/14
14K0890-03	Grid #1 EP-3	12/02/14
14K0890-04	Grid #1 EP-4	12/02/14
14K0890-05	Grid #1 EP-5	12/02/14
BL40126-BLK1	Blank	12/02/14
BL40126-SRM1	Reference	12/02/14

Batch ID: BL40131 **Preparation Method:** EPA 3010A/1311 **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14K0890-01	Grid #1 EP-1	12/02/14
14K0890-02	Grid #1 EP-2	12/02/14
14K0890-03	Grid #1 EP-3	12/02/14
14K0890-04	Grid #1 EP-4	12/02/14
14K0890-05	Grid #1 EP-5	12/02/14
BL40131-BLK1	Blank	12/02/14
BL40131-BLK2	Blank	12/02/14
BL40131-SRM1	Reference	12/02/14

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Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40126 - EPA 3050B											
Blank (BL40126-BLK1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Lead	ND	0.300	mg/kg wet								
Reference (BL40126-SRM1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Lead	238	0.300	mg/kg wet	254		93.8	75.6-125				
Batch BL40131 - EPA 3010A/1311											
Blank (BL40131-BLK1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Lead	ND	0.00300	mg/L								
Blank (BL40131-BLK2)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Lead	ND	0.00300	mg/L								
Reference (BL40131-SRM1)								Prepared: 12/02/2014 Analyzed: 12/03/2014			
Lead	1.45	0.00300	mg/L	1.47		98.5	85-115				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40099 - % Solids Prep											
Duplicate (BL40099-DUP1)	*Source sample: 14K0890-04 (Grid #1 EP-4)								Prepared: 12/02/2014 Analyzed: 12/03/2014		
% Solids	81.7	0.100	%		86.1				5.22	20	

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40067 - EPA SW 846-1311 TCLP ext. for metals											
Blank (BL40067-BLK1)											Prepared: 12/01/2014 Analyzed: 12/02/2014
TCLP Extraction	Completed	1.00	N/A								

Notes and Definitions

EXT-Temp Extraction temperture slightly exceeded acceptance range.

EXT-COMP Completed

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 14K0890

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: Hydro Tech Env. Corp.	SAME [x]	SAME [ ]	#140309 83 Bushwick Pl Brooklyn NY	RUSH-Same Day	Summary Report x
Address: 15 Ocean Ave 2nd Fl	Name:	Name: Muslima Ward		RUSH-Next Day	QA Report X
Brooklyn, NY 11225	Company:	Company: Hydro Tech Env, Corp	Purchase Order #	RUSH-Two Day	CT RCP
Phone.: 718-636-0800	Address:	Address: 77 Arkay Dr. Suite G		RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Morgan Violette		Hauppauge, NY	7099	RUSH-Four Day X	NY ASP A Package
E-mail: mviolette@hydrotechenvironmental.co	E-mail:	E-mail mward@hydrotechenvironmental.com	Samples from CT__NY_X_NJ__	Standard (5-7day)	NY ASP B Package
					NJDEP Reduced Deliv

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Morgan Violette
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

x
EC EQuIS x
SRP HazSite
EY (std)
Regulatory
Excel
red to:
R:

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
Grid #1 EP-1	11/24/14 @ 1145	S	TCLP Lead and Total Lead	1 4 oz. jar
Grid #1 EP-2	11/24/14 @ 1147	S	"	"
Grid #1 EP-3	11/24/14 @ 1149	S	"	"
Grid #1 EP-4	11/24/14 @ 1151	S	"	"
Grid #1 EP-5	11/24/14 @ 1153	S	"	"

Comments:

Standard 4 day turnaround

Preservation (applicable)

4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____
ZnAc ____ Ascorbic Acid ____ Other ____

Special Instructions

Samples Relinquished By: Morgan Violette — Date/Time: 11-25-14@1020
Samples Received By: Joseph [illegible] — Date/Time: 11/25/14 10:20
TC [illegible] 11/25/14 1945 4.9°C

Tem on

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

Report Date: 12/10/2014
Client Project ID: #140309 83 Bushwick Place Brooklyn, NY
York Project (SDG) No.: 14L0280

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 12/10/2014
Client Project ID: #140309 83 Bushwick Place Brooklyn, NY
York Project (SDG) No.: 14L0280

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 08, 2014 and listed below. The project was identified as your project: **#140309 83 Bushwick Place Brooklyn, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14L0280-01	Grid #1 EP-6	Soil	12/05/2014	12/08/2014
14L0280-02	Grid #1 EP-7	Soil	12/05/2014	12/08/2014
14L0280-03	Grid #1 EP-8	Soil	12/05/2014	12/08/2014
14L0280-04	Grid #1 EP-9	Soil	12/05/2014	12/08/2014
14L0280-05	Grid #1 EP-10	Soil	12/05/2014	12/08/2014

General Notes for York Project (SDG) No.: 14L0280

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:

Date: 12/10/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **Grid #1 EP-6** **York Sample ID:** **14L0280-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0280	#140309 83 Bushwick Place Brooklyn, NY	Soil	December 5, 2014 9:00 am	12/08/2014

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**97.3**		mg/kg dry	0.325	0.325	1	EPA 6010C	12/09/2014 13:31	12/09/2014 18:34	MW

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.542**		mg/L	0.00300	0.00300	1	EPA 6010C/1311	12/09/2014 14:01	12/10/2014 13:51	MW

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.3**		%	0.100	0.100	1	SM 2540G	12/10/2014 11:41	12/10/2014 15:58	SCA

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	12/08/2014 18:00	12/09/2014 14:00	KK

Sample Information

Client Sample ID: **Grid #1 EP-7** **York Sample ID:** **14L0280-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0280	#140309 83 Bushwick Place Brooklyn, NY	Soil	December 5, 2014 9:02 am	12/08/2014

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**6.52**		mg/kg dry	0.337	0.337	1	EPA 6010C	12/09/2014 13:31	12/09/2014 18:38	MW

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.0142**		mg/L	0.00300	0.00300	1	EPA 6010C/1311	12/09/2014 14:01	12/10/2014 13:56	MW

Sample Information

Client Sample ID: **Grid #1 EP-7** **York Sample ID:** **14L0280-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0280	#140309 83 Bushwick Place Brooklyn, NY	Soil	December 5, 2014 9:02 am	12/08/2014

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.9**		%	0.100	0.100	1	SM 2540G	12/10/2014 11:41	12/10/2014 15:58	SCA

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	12/08/2014 18:00	12/09/2014 14:00	KK

Sample Information

Client Sample ID: **Grid #1 EP-8** **York Sample ID:** **14L0280-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0280	#140309 83 Bushwick Place Brooklyn, NY	Soil	December 5, 2014 9:04 am	12/08/2014

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**10.4**		mg/kg dry	0.327	0.327	1	EPA 6010C	12/09/2014 13:31	12/09/2014 18:43	MW

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.0394**		mg/L	0.00300	0.00300	1	EPA 6010C/1311	12/09/2014 14:01	12/10/2014 14:14	MW

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.6**		%	0.100	0.100	1	SM 2540G	12/10/2014 11:41	12/10/2014 15:58	SCA

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	12/08/2014 18:00	12/09/2014 14:00	KK

Sample Information

Client Sample ID: **Grid #1 EP-8** **York Sample ID:** **14L0280-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0280	#140309 83 Bushwick Place Brooklyn, NY	Soil	December 5, 2014 9:04 am	12/08/2014

Sample Information

Client Sample ID: **Grid #1 EP-9** **York Sample ID:** **14L0280-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0280	#140309 83 Bushwick Place Brooklyn, NY	Soil	December 5, 2014 9:06 am	12/08/2014

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**15.1**		mg/kg dry	0.324	0.324	1	EPA 6010C	12/09/2014 13:31	12/09/2014 18:48	MW

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.116**		mg/L	0.00300	0.00300	1	EPA 6010C/1311	12/09/2014 14:01	12/10/2014 14:20	MW

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.5**		%	0.100	0.100	1	SM 2540G	12/10/2014 11:41	12/10/2014 15:58	SCA

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	12/08/2014 18:00	12/09/2014 14:00	KK

Sample Information

Client Sample ID: **Grid #1 EP-10** **York Sample ID:** **14L0280-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0280	#140309 83 Bushwick Place Brooklyn, NY	Soil	December 5, 2014 9:08 am	12/08/2014

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **Grid #1 EP-10** **York Sample ID:** **14L0280-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14L0280	#140309 83 Bushwick Place Brooklyn, NY	Soil	December 5, 2014 9:08 am	12/08/2014

7439-92-1	**Lead**	**6.90**	mg/kg dry	0.317	0.317	1	EPA 6010C	12/09/2014 13:31	12/09/2014 18:53	MW

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.0114**		mg/L	0.00300	0.00300	1	EPA 6010C/1311	12/09/2014 14:01	12/10/2014 14:25	MW

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**94.6**		%	0.100	0.100	1	SM 2540G	12/10/2014 11:41	12/10/2014 15:58	SCA

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	12/08/2014 18:00	12/09/2014 14:00	KK

Analytical Batch Summary

Batch ID: BL40435 **Preparation Method:** EPA SW 846-1311 TCLP ext. for meta **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14L0280-01	Grid #1 EP-6	12/08/14
14L0280-02	Grid #1 EP-7	12/08/14
14L0280-03	Grid #1 EP-8	12/08/14
14L0280-04	Grid #1 EP-9	12/08/14
14L0280-05	Grid #1 EP-10	12/08/14
BL40435-BLK1	Blank	12/08/14

Batch ID: BL40483 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14L0280-01	Grid #1 EP-6	12/09/14
14L0280-02	Grid #1 EP-7	12/09/14
14L0280-03	Grid #1 EP-8	12/09/14
14L0280-04	Grid #1 EP-9	12/09/14
14L0280-05	Grid #1 EP-10	12/09/14
BL40483-BLK1	Blank	12/09/14
BL40483-SRM1	Reference	12/09/14

Batch ID: BL40490 **Preparation Method:** EPA 3010A/1311 **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14L0280-01	Grid #1 EP-6	12/09/14
14L0280-02	Grid #1 EP-7	12/09/14
14L0280-03	Grid #1 EP-8	12/09/14
14L0280-04	Grid #1 EP-9	12/09/14
14L0280-05	Grid #1 EP-10	12/09/14
BL40490-BLK1	Blank	12/09/14
BL40490-BLK2	Blank	12/09/14
BL40490-SRM1	Reference	12/09/14

Batch ID: BL40547 **Preparation Method:** % Solids Prep **Prepared By:** SCA

YORK Sample ID	Client Sample ID	Preparation Date
14L0280-01	Grid #1 EP-6	12/10/14
14L0280-02	Grid #1 EP-7	12/10/14
14L0280-03	Grid #1 EP-8	12/10/14
14L0280-04	Grid #1 EP-9	12/10/14
14L0280-05	Grid #1 EP-10	12/10/14

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40483 - EPA 3050B											
Blank (BL40483-BLK1)								Prepared & Analyzed: 12/09/2014			
Lead	ND	0.300	mg/kg wet								
Reference (BL40483-SRM1)								Prepared & Analyzed: 12/09/2014			
Lead	234	0.300	mg/kg wet	254		92.1	75.6-125				
Batch BL40490 - EPA 3010A/1311											
Blank (BL40490-BLK1)								Prepared: 12/09/2014 Analyzed: 12/10/2014			
Lead	ND	0.00300	mg/L								
Blank (BL40490-BLK2)								Prepared: 12/09/2014 Analyzed: 12/10/2014			
Lead	ND	0.00300	mg/L								
Reference (BL40490-SRM1)								Prepared: 12/09/2014 Analyzed: 12/10/2014			
Lead	1.44	0.00300	mg/L	1.47		97.7	85-115				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL40435 - EPA SW 846-1311 TCLP ext. for metals											
Blank (BL40435-BLK1)									Prepared: 12/08/2014 Analyzed: 12/09/2014		
TCLP Extraction	Completed	1.00	N/A								

Notes and Definitions

EXT-COMP Completed

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 14L0280

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: Hydro Tech Env Corp	SAME [X]	SAME [ ]	#140309 83 Bushwick Place Brooklyn, NY	RUSH-Same Day	Summary Report X
Address: 15 Ocean Ave, 2nd Floor	Name:	Name: Muslima Ward		RUSH-Next Day	QA Report X
Brooklyn NY 11225	Company:	Company: Hydro Tech Env	Purchase Order #	RUSH-Two Day	CT RCP
Phone.: (718) 636-0800	Address:	Address: 77 Arkay Drive Suite G		RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Morgan Violette		Hauppauge, NY 11788	7113	RUSH-Four Day X	NY ASP A Package
E-mail: mviolette@hydrotechenvironmental.com	E-mail:	E-mail mward@hydrotechenvir	Samples from CT__NY_X_NJ__	Standard (5-7day)	NY ASP B Package
					NJDEP Reduced Deliv
					Excel X
					NYSDEC EQuIS
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to:
					OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Morgan Violette

Samples Collected/Authorized By (Signature)

Morgan Violette

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indic.Metals	Air TICs	NYCDEPSewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDECSewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
Grid #1 EP-6	12/5/2014 @ 0900	S	Total Lead and TCLP Lead	1 4 oz jar
Grid #1 EP-7	12/5/2014 @ 0902	S	Total Lead and TCLP Lead	1 4 oz jar
Grid #1 EP-8	12/5/2014 @ 0904	S	Total Lead and TCLP Lead	1 4 oz jar
Grid #1 EP-9	12/5/2014 @ 0906	S	Total Lead and TCLP Lead	1 4 oz jar
Grid #1 EP-10	12/5/14 @ 0908	S	Total Lead and TCLP Lead	1 4 oz jar

Comments:

Standard 4 day turnaround

Preservation (check all appliciable)

4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____
ZnAc ____ Ascorbic Acid ____ Other ____

Special Instructions

Field Filtered ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temp on
Morgan Violette	12/8/14 0910	R. Baillie / TC Fulik	12/8/14 910A / 12/8/14 1730	4.8°C

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

Report Date: 01/13/2015
Client Project ID: #140309 83 Bushwick Place Brooklyn, NY
York Project (SDG) No.: 15A0137

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 01/13/2015
Client Project ID: #140309 83 Bushwick Place Brooklyn, NY
York Project (SDG) No.: 15A0137

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 07, 2015 and listed below. The project was identified as your project: **#140309 83 Bushwick Place Brooklyn, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

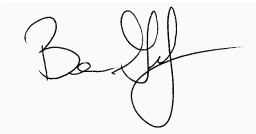
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
15A0137-01	WC-4	Soil	01/06/2015	01/07/2015

General Notes for York Project (SDG) No.: 15A0137

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 01/13/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **WC-4** **York Sample ID:** **15A0137-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0137	#140309 83 Bushwick Place Brooklyn, NY	Soil	January 6, 2015 2:00 pm	01/07/2015

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	ND		mg/kg dry	0.456	0.913	1	EPA 8015D	01/12/2015 16:44	01/13/2015 03:45	BK

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	91	180	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
67-64-1	**Acetone**	**8.9**	Cal-E, J	ug/kg dry	4.6	9.1	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
107-02-8	Acrolein	ND		ug/kg dry	4.6	9.1	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK

Sample Information

Client Sample ID: WC-4 **York Sample ID:** 15A0137-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0137	#140309 83 Bushwick Place Brooklyn, NY	Soil	January 6, 2015 2:00 pm	01/07/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.6	9.1	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.6	9.1	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.6	9.1	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.8	14	1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*115 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.6 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*85-120*

Sample Information

Client Sample ID: WC-4 **York Sample ID:** 15A0137-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0137	#140309 83 Bushwick Place Brooklyn, NY	Soil	January 6, 2015 2:00 pm	01/07/2015

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	01/12/2015 16:44	01/13/2015 03:45	BK

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
98-86-2	Acetophenone	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
62-53-3	Aniline	ND		ug/kg dry	188	377	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
120-12-7	**Anthracene**	**79.0**	J	ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
1912-24-9	Atrazine	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
92-87-5	Benzidine	ND		ug/kg dry	188	377	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
56-55-3	**Benzo(a)anthracene**	**317**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
50-32-8	**Benzo(a)pyrene**	**162**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
205-99-2	**Benzo(b)fluoranthene**	**138**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
191-24-2	**Benzo(g,h,i)perylene**	**64.7**	J	ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
65-85-0	Benzoic acid	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
207-08-9	**Benzo(k)fluoranthene**	**170**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
105-60-2	Caprolactam	ND		ug/kg dry	94.1	188	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
86-74-8	Carbazole	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
218-01-9	**Chrysene**	**293**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH

Sample Information

Client Sample ID: **WC-4** **York Sample ID:** **15A0137-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0137	#140309 83 Bushwick Place Brooklyn, NY	Soil	January 6, 2015 2:00 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	94.1	188	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	94.1	188	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
206-44-0	**Fluoranthene**	**522**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
86-73-7	Fluorene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**90.3**	J	ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
78-59-1	Isophorone	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
91-20-3	Naphthalene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.1	188	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	94.1	188	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	94.1	188	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	94.1	188	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
85-01-8	**Phenanthrene**	**321**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
108-95-2	Phenol	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH

Sample Information

Client Sample ID: WC-4 **York Sample ID:** 15A0137-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0137	#140309 83 Bushwick Place Brooklyn, NY	Soil	January 6, 2015 2:00 pm	01/07/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	**Pyrene**	**539**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	94.1	188	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	94.1	188	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*69.2 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*79.4 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*66.9 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*83.3 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*67.3 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*81.4 %*	*10-123*

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
120-12-7	**Anthracene**	**79.0**	J	ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
56-55-3	**Benzo(a)anthracene**	**317**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
50-32-8	**Benzo(a)pyrene**	**162**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
205-99-2	**Benzo(b)fluoranthene**	**138**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
191-24-2	**Benzo(g,h,i)perylene**	**64.7**	J	ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
207-08-9	**Benzo(k)fluoranthene**	**170**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
218-01-9	**Chrysene**	**293**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
206-44-0	**Fluoranthene**	**522**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
86-73-7	Fluorene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**90.3**	J	ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
91-20-3	Naphthalene	ND		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
85-01-8	**Phenanthrene**	**321**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH
129-00-0	**Pyrene**	**539**		ug/kg dry	47.2	94.1	2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*66.9 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*83.3 %*	*10-114*
1718-51-0	*Surrogate: Terphenyl-d14*	*81.4 %*	*10-123*

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **WC-4** **York Sample ID:** **15A0137-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0137	#140309 83 Bushwick Place Brooklyn, NY	Soil	January 6, 2015 2:00 pm	01/07/2015

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			2	EPA 8270D	01/08/2015 19:15	01/12/2015 02:08	KH

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	94.2	94.2	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.31	9.31	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
72-20-8	Endrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
57-74-9	**Chlordane, total**	**7.52**		ug/kg dry	7.45	7.45	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
309-00-2	Aldrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
50-29-3	**4,4'-DDT**	**8.78**		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.86	1.86	5	EPA 8081B	01/08/2015 14:10	01/09/2015 22:10	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*76.1 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*87.6 %*	*30-140*

Sample Information

Client Sample ID: **WC-4** **York Sample ID:** **15A0137-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0137	#140309 83 Bushwick Place Brooklyn, NY	Soil	January 6, 2015 2:00 pm	01/07/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	01/08/2015 14:10	01/09/2015 16:45	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	01/08/2015 14:10	01/09/2015 16:45	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	01/08/2015 14:10	01/09/2015 16:45	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	01/08/2015 14:10	01/09/2015 16:45	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	01/08/2015 14:10	01/09/2015 16:45	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	01/08/2015 14:10	01/09/2015 16:45	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	01/08/2015 14:10	01/09/2015 16:45	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A	01/08/2015 14:10	01/09/2015 16:45	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*77.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*56.7 %*	*30-140*

Herbicides, Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B/8151A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
94-75-7	2,4-D	ND		ug/kg dry	22.6	22.6	1	EPA 8151A m	01/08/2015 07:03	01/08/2015 17:54	AMC
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	22.6	22.6	1	EPA 8151A m	01/08/2015 07:03	01/08/2015 17:54	AMC
93-76-5	2,4,5-T	ND		ug/kg dry	22.6	22.6	1	EPA 8151A m	01/08/2015 07:03	01/08/2015 17:54	AMC

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*39.4 %*	*30-150*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total EPH	ND		mg/kg dry	56.4	56.4	1	NJDEP EPH Rev 3.0	01/08/2015 07:22	01/08/2015 17:51	JW

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*81.9 %*	*40-140*
84-15-1	*Surrogate: o-Terphenyl*	*82.3 %*	*40-140*

Total Petro. Hydrocarbons-DRO (C10-C44)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total Petroleum Hydrocarbons-DRO**	**107**		mg/kg dry	3.84	11.3	1	EPA 8015D	01/08/2015 18:00	01/09/2015 11:34	JW

	Surrogate Recoveries	Result	Acceptance Range
638-68-6	*Surrogate: Triacontane*	*86.7 %*	*30-150*

Sample Information

Client Sample ID: **WC-4** **York Sample ID:** **15A0137-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0137	#140309 83 Bushwick Place Brooklyn, NY	Soil	January 6, 2015 2:00 pm	01/07/2015

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	**21.2**		mg/kg dry	3.84	11.3	1	EPA 8015D	01/08/2015 18:00	01/09/2015 11:34	JW

	Surrogate Recoveries	Result	Acceptance Range
638-68-6	*Surrogate: Triacontane*	*86.7 %*	*30-150*

Beryllium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-41-7	Beryllium	ND		mg/kg dry	0.113	0.113	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	**Copper**	**28.8**		mg/kg dry	0.564	0.564	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW

Metals, RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**4.13**		mg/kg dry	1.13	1.13	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-39-3	**Barium**	**89.7**		mg/kg dry	1.13	1.13	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.338	0.338	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-47-3	**Chromium**	**14.9**		mg/kg dry	0.564	0.564	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7439-92-1	**Lead**	**128**		mg/kg dry	0.338	0.338	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7782-49-2	**Selenium**	**8.81**		mg/kg dry	1.13	1.13	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-22-4	Silver	ND		mg/kg dry	0.564	0.564	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8340**		mg/kg dry	1.13	1.13	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-36-0	Antimony	ND		mg/kg dry	0.564	0.564	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-38-2	**Arsenic**	**4.13**		mg/kg dry	1.13	1.13	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-39-3	**Barium**	**89.7**		mg/kg dry	1.13	1.13	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.113	0.113	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.338	0.338	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-70-2	**Calcium**	**5870**		mg/kg dry	0.564	5.64	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-47-3	**Chromium**	**14.9**		mg/kg dry	0.564	0.564	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-48-4	**Cobalt**	**6.93**		mg/kg dry	0.564	0.564	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-50-8	**Copper**	**28.8**		mg/kg dry	0.564	0.564	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW

Sample Information

Client Sample ID: **WC-4** **York Sample ID:** **15A0137-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0137	#140309 83 Bushwick Place Brooklyn, NY	Soil	January 6, 2015 2:00 pm	01/07/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**38200**		mg/kg dry	2.26	2.26	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7439-92-1	**Lead**	**128**		mg/kg dry	0.338	0.338	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7439-95-4	**Magnesium**	**2050**		mg/kg dry	5.64	5.64	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7439-96-5	**Manganese**	**735**		mg/kg dry	0.564	0.564	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-02-0	**Nickel**	**20.4**		mg/kg dry	0.564	0.564	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-09-7	**Potassium**	**726**		mg/kg dry	5.64	5.64	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7782-49-2	**Selenium**	**8.81**		mg/kg dry	1.13	1.13	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-22-4	Silver	ND		mg/kg dry	0.564	0.564	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-23-5	**Sodium**	**58.8**		mg/kg dry	11.3	11.3	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-62-2	**Vanadium**	**29.5**		mg/kg dry	1.13	1.13	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW
7440-66-6	**Zinc**	**631**		mg/kg dry	1.13	1.13	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW

Metals, TCLP RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C/1311	01/09/2015 10:26	01/09/2015 13:44	MW
7440-39-3	**Barium**	**0.613**		mg/L	0.010	0.010	1	EPA 6010C/1311	01/09/2015 10:26	01/09/2015 13:44	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C/1311	01/09/2015 10:26	01/09/2015 13:44	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C/1311	01/09/2015 10:26	01/09/2015 13:44	MW
7439-92-1	**Lead**	**0.667**		mg/L	0.003	0.003	1	EPA 6010C/1311	01/09/2015 10:26	01/09/2015 13:44	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C/1311	01/09/2015 10:26	01/09/2015 13:44	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C/1311	01/09/2015 10:26	01/09/2015 13:44	MW

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**20.4**		mg/kg dry	0.564	0.564	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW

Thallium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW

Zinc by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**631**		mg/kg dry	1.13	1.13	1	EPA 6010C	01/08/2015 08:19	01/08/2015 10:56	MW

Sample Information

Client Sample ID: **WC-4** **York Sample ID:** **15A0137-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0137	#140309 83 Bushwick Place Brooklyn, NY	Soil	January 6, 2015 2:00 pm	01/07/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.107**		mg/kg dry	0.0338	0.0338	1	EPA 7473	01/08/2015 11:23	01/08/2015 16:55	ALD

Mercury TCLP by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.000200	1	EPA 7473/1311	01/09/2015 10:26	01/11/2015 10:39	ALD

Ignitability

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Ignitability	Non-Ignit.		-	1	1	1	EPA 1030P	01/12/2015 13:16	01/12/2015 14:58	AA

Moisture

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Moisture**	**11.4**		%		0.100	1	SM 2540G	01/13/2015 11:44	01/13/2015 11:46	AA

Paint Filter Test

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Paint Filter Test	No Free Liquid		-	0	0	1	EPA 9095A	01/12/2015 13:21	01/12/2015 15:02	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.6**		%	0.100	0.100	1	SM 2540G	01/08/2015 09:01	01/09/2015 09:49	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.395	0.564	1	EPA 7196A	01/12/2015 15:22	01/13/2015 14:05	KK

Corrosivity

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **WC-4** **York Sample ID:** **15A0137-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0137	#140309 83 Bushwick Place Brooklyn, NY	Soil	January 6, 2015 2:00 pm	01/07/2015

Corrosivity

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**8.67**	HT-pH	pH units		0.500	1	EPA 9045D	01/09/2015 09:50	01/09/2015 11:41	SCA

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.564	0.564	1	EPA 9014/9010C	01/13/2015 08:00	01/13/2015 13:16	AD

Reactivity-Cyanide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Reactivity - Cyanide	ND		mg/kg	0.250	0.250	1	EPA SW-846 Ch.7.3.3	01/13/2015 13:29	01/13/2015 13:33	AD

Reactivity-Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Reactivity - Sulfide	ND		mg/kg	15.0	15.0	1	EPA SW-846 Ch.7.3.4	01/13/2015 13:31	01/13/2015 13:32	AD

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	01/08/2015 18:00	01/09/2015 13:30	KK

Analytical Batch Summary

Batch ID: BA50231 **Preparation Method:** EPA 3550B/8151A **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/08/15
BA50231-BLK1	Blank	01/08/15
BA50231-BS1	LCS	01/08/15
BA50231-BSD1	LCS Dup	01/08/15

Batch ID: BA50233 **Preparation Method:** EPA 3545_A **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/08/15
BA50233-BLK1	Blank	01/08/15
BA50233-BS1	LCS	01/08/15
BA50233-BSD1	LCS Dup	01/08/15

Batch ID: BA50244 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/08/15
BA50244-BLK1	Blank	01/08/15
BA50244-SRM1	Reference	01/08/15

Batch ID: BA50249 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/08/15

Batch ID: BA50260 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/08/15
BA50260-BLK1	Blank	01/08/15
BA50260-SRM1	Reference	01/08/15

Batch ID: BA50279 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/08/15
15A0137-01	WC-4	01/08/15
BA50279-BLK1	Blank	01/08/15
BA50279-BLK1	Blank	01/08/15
BA50279-BS1	LCS	01/08/15
BA50279-BS2	LCS	01/08/15
BA50279-BSD1	LCS Dup	01/08/15

Batch ID: BA50280 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/08/15
BA50280-BLK1	Blank	01/08/15
BA50280-BS1	LCS	01/08/15
BA50280-BSD1	LCS Dup	01/08/15

Batch ID: BA50281 **Preparation Method:** EPA 3545A **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/08/15
BA50281-BLK1	Blank	01/08/15
BA50281-BS1	LCS	01/08/15
BA50281-BSD1	LCS Dup	01/08/15

Batch ID: BA50286 **Preparation Method:** EPA SW 846-1311 TCLP ext. for meta **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/08/15
BA50286-BLK1	Blank	01/08/15

Batch ID: BA50303 **Preparation Method:** EPA 3010A/1311 **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/09/15
BA50303-BLK1	Blank	01/09/15
BA50303-BLK2	Blank	01/09/15
BA50303-SRM1	Reference	01/09/15

Batch ID: BA50309 **Preparation Method:** Analysis Preparation **Prepared By:** SCA

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/09/15

Batch ID: BA50315 **Preparation Method:** EPA 7473 water **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/09/15
BA50315-BLK1	Blank	01/09/15
BA50315-SRM1	Reference	01/09/15

Batch ID: BA50408 **Preparation Method:** Analysis Preparation **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date

15A0137-01	WC-4	01/12/15

Batch ID: BA50409 **Preparation Method:** Analysis Preparation **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/12/15

Batch ID: BA50430 **Preparation Method:** EPA SW846-3060 **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/12/15
BA50430-BLK1	Blank	01/12/15
BA50430-SRM1	Reference	01/12/15

Batch ID: BA50438 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/12/15
15A0137-01	WC-4	01/12/15
BA50438-BLK1	Blank	01/12/15
BA50438-BS1	LCS	01/12/15
BA50438-BSD1	LCS Dup	01/12/15

Batch ID: BA50457 **Preparation Method:** Analysis Preparation Soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/13/15
BA50457-BLK1	Blank	01/13/15
BA50457-DUP1	Duplicate	01/13/15
BA50457-MS1	Matrix Spike	01/13/15
BA50457-SRM1	Reference	01/13/15

Batch ID: BA50480 **Preparation Method:** Analysis Preparation **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/13/15

Batch ID: BA50490 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/13/15

Batch ID: BA50491 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
15A0137-01	WC-4	01/13/15

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50438 - EPA 5035A											
Blank (BA50438-BLK1)											Prepared: 01/12/2015 Analyzed: 01/13/2015
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
Tentatively Identified Compounds	0.0		"								
Total Petroleum Hydrocarbons-GRO	ND	1.00	mg/kg wet								
1,1,1-Trichloroethane	ND	5.0	ug/kg wet								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
Cyclohexane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50438 - EPA 5035A											
Blank (BA50438-BLK1)								Prepared: 01/12/2015 Analyzed: 01/13/2015			
n-Butylbenzene	ND	5.0	ug/kg wet								
1,2,3-Trichlorobenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*58.3*		*ug/L*	*50.0*		*117*	*77-125*				
Surrogate: p-Bromofluorobenzene	*51.8*		*"*	*50.0*		*104*	*76-130*				
Surrogate: Toluene-d8	*52.4*		*"*	*50.0*		*105*	*85-120*				
LCS (BA50438-BS1)								Prepared & Analyzed: 01/12/2015			
1,1,1,2-Tetrachloroethane	56		ug/L	50.0		113	75-129				
1,1,1-Trichloroethane	56		"	50.0		112	71-137				
1,1,2,2-Tetrachloroethane	53		"	50.0		105	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		112	58-146				
1,1,2-Trichloroethane	55		"	50.0		110	83-123				
1,1-Dichloroethane	54		"	50.0		109	75-130				
1,1-Dichloroethylene	63		"	50.0		126	64-137				
Bromochloromethane	56		"	50.0		112	74-129				
1,2,3-Trichloropropane	59		"	50.0		118	81-126				
1,2,4-Trichlorobenzene	43		"	50.0		86.1	80-141				
1,2,4-Trimethylbenzene	53		"	50.0		106	84-125				
1,2-Dibromo-3-chloropropane	66		"	50.0		131	74-142				
1,2-Dibromoethane	56		"	50.0		112	86-123				
1,2-Dichlorobenzene	54		"	50.0		108	85-122				
1,2-Dichloroethane	65		"	50.0		129	71-133				
1,2-Dichloropropane	53		"	50.0		106	81-122				
1,3,5-Trimethylbenzene	52		"	50.0		103	82-126				
1,3-Dichlorobenzene	52		"	50.0		103	84-124				
1,4-Dichlorobenzene	52		"	50.0		105	84-124				
1,4-Dioxane	970		"	1000		96.9	10-228				
Cyclohexane	49		"	50.0		97.8	70-130				
2-Butanone	49		"	50.0		97.4	58-147				
2-Hexanone	57		"	50.0		115	70-139				
4-Methyl-2-pentanone	57		"	50.0		114	72-132				
Acetone	50		"	50.0		99.1	36-155				
Acrolein	87		"	50.0		175	10-238				
Acrylonitrile	48		"	50.0		96.0	66-141				
Benzene	50		"	50.0		100	77-127				
Bromodichloromethane	59		"	50.0		118	81-124				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50438 - EPA 5035A											
LCS (BA50438-BS1)							Prepared & Analyzed: 01/12/2015				
Bromoform	55		ug/L	50.0		110	80-136				
Bromomethane	57		"	50.0		113	32-177				
Carbon disulfide	60		"	50.0		119	10-136				
Carbon tetrachloride	58		"	50.0		116	66-143				
Chlorobenzene	53		"	50.0		106	86-120				
Chloroethane	60		"	50.0		119	51-142				
Chloroform	56		"	50.0		112	76-131				
Chloromethane	50		"	50.0		99.0	49-132				
cis-1,2-Dichloroethylene	48		"	50.0		96.4	74-132				
cis-1,3-Dichloropropylene	58		"	50.0		117	81-129				
Dibromochloromethane	58		"	50.0		117	10-200				
Dibromomethane	59		"	50.0		118	83-124				
Dichlorodifluoromethane	57		"	50.0		115	28-158				
Ethyl Benzene	55		"	50.0		110	84-125				
Methylcyclohexane	51		"	50.0		103	70-130				
Hexachlorobutadiene	50		"	50.0		99.5	83-133				
Isopropylbenzene	54		"	50.0		109	81-127				
Methyl acetate	57		"	50.0		115	41-143				
Methyl tert-butyl ether (MTBE)	57		"	50.0		114	74-131				
Methylene chloride	54		"	50.0		107	57-141				
n-Butylbenzene	51		"	50.0		103	80-130				
1,2,3-Trichlorobenzene	50		"	50.0		100	81-140				
n-Propylbenzene	53		"	50.0		107	74-136				
o-Xylene	55		"	50.0		110	83-123				
p- & m- Xylenes	110		"	100		109	82-128				
p-Isopropyltoluene	51		"	50.0		103	85-125				
sec-Butylbenzene	53		"	50.0		105	83-125				
Styrene	51		"	50.0		103	86-126				
tert-Butyl alcohol (TBA)	62		"	50.0		123	70-130				
tert-Butylbenzene	54		"	50.0		108	80-127				
Tetrachloroethylene	53		"	50.0		106	80-129				
Toluene	52		"	50.0		105	85-121				
trans-1,2-Dichloroethylene	56		"	50.0		113	72-132				
trans-1,3-Dichloropropylene	60		"	50.0		121	78-132				
Trichloroethylene	54		"	50.0		108	84-123				
Trichlorofluoromethane	63		"	50.0		126	62-140				
Vinyl Chloride	55		"	50.0		110	52-130				
Surrogate: 1,2-Dichloroethane-d4	*58.3*		*"*	*50.0*		*117*	*77-125*				
Surrogate: p-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.4*	*76-130*				
Surrogate: Toluene-d8	*50.2*		*"*	*50.0*		*100*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50438 - EPA 5035A											
LCS Dup (BA50438-BSD1)								Prepared: 01/12/2015 Analyzed: 01/13/2015			
1,1,1,2-Tetrachloroethane	62		ug/L	50.0		125	75-129		10.1	30	
1,1,1-Trichloroethane	60		"	50.0		120	71-137		6.79	30	
1,1,2,2-Tetrachloroethane	56		"	50.0		113	79-129		6.84	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55		"	50.0		111	58-146		0.558	30	
1,1,2-Trichloroethane	55		"	50.0		110	83-123		0.546	30	
1,1-Dichloroethane	56		"	50.0		112	75-130		2.68	30	
1,1-Dichloroethylene	67		"	50.0		133	64-137		5.62	30	
Bromochloromethane	59		"	50.0		118	74-129		5.20	30	
1,2,3-Trichloropropane	60		"	50.0		120	81-126		2.34	30	
1,2,4-Trichlorobenzene	43		"	50.0		85.9	80-141		0.256	30	
1,2,4-Trimethylbenzene	53		"	50.0		106	84-125		0.00	30	
1,2-Dibromo-3-chloropropane	64		"	50.0		129	74-142		2.00	30	
1,2-Dibromoethane	58		"	50.0		116	86-123		4.02	30	
1,2-Dichlorobenzene	53		"	50.0		106	85-122		1.08	30	
1,2-Dichloroethane	67		"	50.0		134	71-133	High Bias	3.75	30	
1,2-Dichloropropane	55		"	50.0		111	81-122		4.20	30	
1,3,5-Trimethylbenzene	53		"	50.0		107	82-126		3.20	30	
1,3-Dichlorobenzene	52		"	50.0		104	84-124		0.752	30	
1,4-Dichlorobenzene	54		"	50.0		108	84-124		3.17	30	
1,4-Dioxane	1200		"	1000		116	10-228		18.1	30	
Cyclohexane	49		"	50.0		97.8	70-130		0.00	30	
2-Butanone	47		"	50.0		93.6	58-147		3.96	30	
2-Hexanone	57		"	50.0		114	70-139		1.28	30	
4-Methyl-2-pentanone	60		"	50.0		120	72-132		4.92	30	
Acetone	48		"	50.0		96.5	36-155		2.74	30	
Acrolein	100		"	50.0		199	10-238		13.1	30	
Acrylonitrile	51		"	50.0		101	66-141		5.59	30	
Benzene	51		"	50.0		102	77-127		1.72	30	
Bromodichloromethane	61		"	50.0		121	81-124		2.39	30	
Bromoform	54		"	50.0		108	80-136		1.30	30	
Bromomethane	57		"	50.0		114	32-177		0.932	30	
Carbon disulfide	61		"	50.0		123	10-136		3.06	30	
Carbon tetrachloride	60		"	50.0		120	66-143		2.76	30	
Chlorobenzene	54		"	50.0		108	86-120		1.92	30	
Chloroethane	60		"	50.0		120	51-142		0.818	30	
Chloroform	57		"	50.0		114	76-131		1.87	30	
Chloromethane	50		"	50.0		101	49-132		1.56	30	
cis-1,2-Dichloroethylene	50		"	50.0		99.1	74-132		2.84	30	
cis-1,3-Dichloropropylene	61		"	50.0		121	81-129		3.56	30	
Dibromochloromethane	58		"	50.0		117	10-200		0.0857	30	
Dibromomethane	60		"	50.0		120	83-124		2.00	30	
Dichlorodifluoromethane	60		"	50.0		120	28-158		4.22	30	
Ethyl Benzene	55		"	50.0		111	84-125		0.980	30	
Methylcyclohexane	52		"	50.0		103	70-130		0.370	30	
Hexachlorobutadiene	55		"	50.0		111	83-133		10.6	30	
Isopropylbenzene	55		"	50.0		110	81-127		0.970	30	
Methyl acetate	61		"	50.0		121	41-143		5.34	30	
Methyl tert-butyl ether (MTBE)	58		"	50.0		115	74-131		1.47	30	
Methylene chloride	52		"	50.0		104	57-141		3.32	30	
n-Butylbenzene	52		"	50.0		105	80-130		1.68	30	
1,2,3-Trichlorobenzene	48		"	50.0		97.0	81-140		3.15	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50438 - EPA 5035A											
LCS Dup (BA50438-BSD1)								Prepared: 01/12/2015 Analyzed: 01/13/2015			
n-Propylbenzene	55		ug/L	50.0		111	74-136		3.62	30	
o-Xylene	58		"	50.0		116	83-123		5.38	30	
p- & m- Xylenes	110		"	100		114	82-128		4.57	30	
p-Isopropyltoluene	52		"	50.0		104	85-125		1.06	30	
sec-Butylbenzene	54		"	50.0		108	83-125		2.90	30	
Styrene	52		"	50.0		105	86-126		2.14	30	
tert-Butyl alcohol (TBA)	66		"	50.0		131	70-130	High Bias	6.23	30	
tert-Butylbenzene	56		"	50.0		112	80-127		4.06	30	
Tetrachloroethylene	56		"	50.0		111	80-129		4.82	30	
Toluene	52		"	50.0		105	85-121		0.363	30	
trans-1,2-Dichloroethylene	56		"	50.0		113	72-132		0.248	30	
trans-1,3-Dichloropropylene	63		"	50.0		127	78-132		4.76	30	
Trichloroethylene	57		"	50.0		114	84-123		5.29	30	
Trichlorofluoromethane	65		"	50.0		131	62-140		3.52	30	
Vinyl Chloride	55		"	50.0		110	52-130		0.0364	30	
Surrogate: 1,2-Dichloroethane-d4	*56.6*		*"*	*50.0*		*113*	*77-125*				
Surrogate: p-Bromofluorobenzene	*48.4*		*"*	*50.0*		*96.9*	*76-130*				
Surrogate: Toluene-d8	*49.9*		*"*	*50.0*		*99.8*	*85-120*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50280 - EPA 3550C											
Blank (BA50280-BLK1)								Prepared & Analyzed: 01/08/2015			
Acenaphthene	ND	41.7	ug/kg wet								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Acetophenone	ND	41.7	"								
Anthracene	ND	41.7	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Aniline	ND	167	"								
Benzo(b)fluoranthene	ND	41.7	"								
Anthracene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Atrazine	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Benzaldehyde	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Benzidine	ND	167	"								
Fluorene	ND	41.7	"								
Benzo(a)anthracene	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Naphthalene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Benzoic acid	ND	41.7	"								
Pyrene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
1,1'-Biphenyl	ND	41.7	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
Caprolactam	ND	83.3	"								
Carbazole	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
1,2-Dichlorobenzene	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50280 - EPA 3550C											
Blank (BA50280-BLK1)								Prepared & Analyzed: 01/08/2015			
1,4-Dichlorobenzene	ND	41.7	ug/kg wet								
3,3'-Dichlorobenzidine	ND	41.7	"								
2,4-Dichlorophenol	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
Naphthalene	ND	41.7	"								
4-Nitroaniline	ND	83.3	"								
2-Nitroaniline	ND	83.3	"								
3-Nitroaniline	ND	83.3	"								
Nitrobenzene	ND	41.7	"								
2-Nitrophenol	ND	41.7	"								
4-Nitrophenol	ND	83.3	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
1,2,4,5-Tetrachlorobenzene	ND	83.3	"								
2,3,4,6-Tetrachlorophenol	ND	83.3	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
2,4,5-Trichlorophenol	ND	41.7	"								
Surrogate: 2-Fluorophenol	*1640*		*"*	*2510*		*65.4*	*10-99*				
Surrogate: Phenol-d5	*1590*		*"*	*2510*		*63.6*	*10-108*				
Surrogate: Nitrobenzene-d5	*1020*		*"*	*1670*		*61.2*	*10-119*				
Surrogate: Nitrobenzene-d5	*1020*		*"*	*1670*		*61.2*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*995*		*"*	*1670*		*59.5*	*10-114*				
Surrogate: 2-Fluorobiphenyl	*995*		*"*	*1670*		*59.5*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*1500*		*"*	*2510*		*59.7*	*10-106*				
Surrogate: Terphenyl-d14	*994*		*"*	*1670*		*59.6*	*10-123*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50280 - EPA 3550C											
Blank (BA50280-BLK1)								Prepared & Analyzed: 01/08/2015			
Surrogate: Terphenyl-d14	*994*		*ug/kg wet*	*1670*		*59.6*	*10-123*				
LCS (BA50280-BS1)								Prepared & Analyzed: 01/08/2015			
Acenaphthene	1030	41.7	ug/kg wet	1670		61.7	17-124				
Acenaphthene	1030	41.7	"	1670		61.7	17-124				
Acenaphthylene	997	41.7	"	1670		59.8	16-124				
Acenaphthylene	997	41.7	"	1670		59.8	16-124				
Acetophenone	815	41.7	"	1670		48.9	28-105				
Anthracene	973	41.7	"	1670		58.4	24-124				
Benzo(a)anthracene	1340	41.7	"	1670		80.2	25-134				
Benzo(a)pyrene	1470	41.7	"	1670		88.3	29-144				
Aniline	814	167	"	1670		48.8	10-111				
Benzo(b)fluoranthene	1540	41.7	"	1670		92.2	20-151				
Anthracene	973	41.7	"	1670		58.4	24-124				
Benzo(g,h,i)perylene	1770	41.7	"	1670		106	10-153				
Benzo(k)fluoranthene	1470	41.7	"	1670		88.1	10-148				
Atrazine	1080	41.7	"	1670		64.5	22-120				
Chrysene	1330	41.7	"	1670		79.5	24-116				
Dibenzo(a,h)anthracene	1550	41.7	"	1670		93.1	17-147				
Benzaldehyde	1020	41.7	"	1670		61.5	21-100				
Fluoranthene	1040	41.7	"	1670		62.1	36-125				
Fluorene	995	41.7	"	1670		59.7	16-130				
Benzo(a)anthracene	1340	41.7	"	1670		80.2	25-134				
Indeno(1,2,3-cd)pyrene	1550	41.7	"	1670		93.0	10-155				
2-Methylnaphthalene	840	41.7	"	1670		50.4	16-127				
Benzo(a)pyrene	1470	41.7	"	1670		88.3	29-144				
Benzo(b)fluoranthene	1540	41.7	"	1670		92.2	20-151				
Naphthalene	828	41.7	"	1670		49.7	20-121				
Benzo(g,h,i)perylene	1770	41.7	"	1670		106	10-153				
Phenanthrene	994	41.7	"	1670		59.6	24-123				
Benzoic acid	239	41.7	"	1670		14.3	10-116				
Pyrene	1410	41.7	"	1670		84.9	24-132				
Benzo(k)fluoranthene	1470	41.7	"	1670		88.1	10-148				
Benzyl alcohol	1070	41.7	"	1670		64.2	17-128				
Benzyl butyl phthalate	1380	41.7	"	1670		83.0	10-132				
1,1'-Biphenyl	923	41.7	"	1670		55.4	22-103				
4-Bromophenyl phenyl ether	915	41.7	"	1670		54.9	30-138				
Caprolactam	ND	83.3	"	1670			10-123	Low Bias			
Carbazole	1120	41.7	"	1670		67.5	31-120				
4-Chloro-3-methylphenol	1030	41.7	"	1670		61.6	16-138				
4-Chloroaniline	761	41.7	"	1670		45.7	10-117				
Bis(2-chloroethoxy)methane	818	41.7	"	1670		49.1	10-129				
Bis(2-chloroethyl)ether	918	41.7	"	1670		55.1	14-125				
Bis(2-chloroisopropyl)ether	858	41.7	"	1670		51.5	14-122				
2-Chloronaphthalene	953	41.7	"	1670		57.2	22-115				
2-Chlorophenol	1010	41.7	"	1670		60.6	25-121				
4-Chlorophenyl phenyl ether	916	41.7	"	1670		55.0	18-132				
Chrysene	1330	41.7	"	1670		79.5	24-116				
Dibenzo(a,h)anthracene	1550	41.7	"	1670		93.1	17-147				
Dibenzofuran	903	41.7	"	1670		54.2	23-123				
Di-n-butyl phthalate	951	41.7	"	1670		57.1	19-123				
1,2-Dichlorobenzene	917	41.7	"	1670		55.0	26-113				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50280 - EPA 3550C											
LCS (BA50280-BS1)							Prepared & Analyzed: 01/08/2015				
1,3-Dichlorobenzene	970	41.7	ug/kg wet	1670		58.2	32-113				
1,4-Dichlorobenzene	862	41.7	"	1670		51.7	28-111				
3,3'-Dichlorobenzidine	1400	41.7	"	1670		84.3	10-147				
2,4-Dichlorophenol	973	41.7	"	1670		58.4	23-133				
Diethyl phthalate	1090	41.7	"	1670		65.5	23-122				
2,4-Dimethylphenol	884	41.7	"	1670		53.0	15-131				
Dimethyl phthalate	1190	41.7	"	1670		71.3	28-127				
4,6-Dinitro-2-methylphenol	1130	83.3	"	1670		68.1	10-149				
2,4-Dinitrophenol	1030	83.3	"	1670		61.7	10-149				
2,4-Dinitrotoluene	1390	41.7	"	1670		83.3	30-123				
2,6-Dinitrotoluene	1160	41.7	"	1670		69.7	30-125				
Di-n-octyl phthalate	1410	41.7	"	1670		84.6	10-132				
1,2-Diphenylhydrazine (as Azobenzene)	979	41.7	"	1670		58.7	10-140				
Bis(2-ethylhexyl)phthalate	1310	41.7	"	1670		78.8	10-141				
Fluoranthene	1040	41.7	"	1670		62.1	36-125				
Fluorene	995	41.7	"	1670		59.7	16-130				
Hexachlorobenzene	1000	41.7	"	1670		60.0	10-129				
Hexachlorobutadiene	797	41.7	"	1670		47.8	22-153				
Hexachlorocyclopentadiene	1220	41.7	"	1670		73.0	10-134				
Hexachloroethane	892	41.7	"	1670		53.5	20-112				
Indeno(1,2,3-cd)pyrene	1550	41.7	"	1670		93.0	10-155				
Isophorone	865	41.7	"	1670		51.9	14-131				
2-Methylnaphthalene	840	41.7	"	1670		50.4	16-127				
2-Methylphenol	865	41.7	"	1670		51.9	10-146				
3- & 4-Methylphenols	837	41.7	"	1670		50.2	20-109				
Naphthalene	828	41.7	"	1670		49.7	20-121				
4-Nitroaniline	1590	83.3	"	1670		95.1	14-125				
2-Nitroaniline	1310	83.3	"	1670		78.4	24-126				
3-Nitroaniline	1100	83.3	"	1670		66.3	23-123				
Nitrobenzene	835	41.7	"	1670		50.1	20-121				
2-Nitrophenol	918	41.7	"	1670		55.1	17-129				
4-Nitrophenol	1640	83.3	"	1670		98.7	10-136				
N-nitroso-di-n-propylamine	866	41.7	"	1670		52.0	21-119				
N-Nitrosodimethylamine	981	41.7	"	1670		58.9	10-124				
N-Nitrosodiphenylamine	1100	41.7	"	1670		66.2	10-163				
Pentachlorophenol	1250	41.7	"	1670		75.1	10-143				
Phenanthrene	994	41.7	"	1670		59.6	24-123				
Phenol	919	41.7	"	1670		55.1	15-123				
Pyrene	1410	41.7	"	1670		84.9	24-132				
1,2,4,5-Tetrachlorobenzene	819	83.3	"	1670		49.2	10-144				
2,3,4,6-Tetrachlorophenol	ND	83.3	"	1670			30-130	Low Bias			
1,2,4-Trichlorobenzene	872	41.7	"	1670		52.3	23-130				
2,4,6-Trichlorophenol	1140	41.7	"	1670		68.6	27-122				
2,4,5-Trichlorophenol	1150	41.7	"	1670		69.0	14-138				
Surrogate: 2-Fluorophenol	*1580*		*"*	*2510*		*63.0*	*10-99*				
Surrogate: Phenol-d5	*1420*		*"*	*2510*		*56.5*	*10-108*				
Surrogate: Nitrobenzene-d5	*859*		*"*	*1670*		*51.4*	*10-119*				
Surrogate: Nitrobenzene-d5	*859*		*"*	*1670*		*51.4*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*935*		*"*	*1670*		*55.9*	*10-114*				
Surrogate: 2-Fluorobiphenyl	*935*		*"*	*1670*		*55.9*	*10-114*				
Surrogate: 2,4,6-Tribromophenol	*1290*		*"*	*2510*		*51.6*	*30-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50280 - EPA 3550C											
LCS (BA50280-BS1)								Prepared & Analyzed: 01/08/2015			
Surrogate: Terphenyl-d14	*1260*		*ug/kg wet*	*1670*		*75.6*	*10-123*				
Surrogate: Terphenyl-d14	*1260*		*"*	*1670*		*75.6*	*10-123*				
LCS Dup (BA50280-BSD1)								Prepared & Analyzed: 01/08/2015			
Acenaphthene	1180	41.7	ug/kg wet	1670		71.0	17-124		13.9	30	
Acenaphthene	1180	41.7	"	1670		71.0	17-124		13.9	30	
Acenaphthylene	1140	41.7	"	1670		68.3	16-124		13.3	30	
Acenaphthylene	1140	41.7	"	1670		68.3	16-124		13.3	30	
Acetophenone	953	41.7	"	1670		57.2	28-105		15.7	30	
Anthracene	1080	41.7	"	1670		64.8	24-124		10.5	30	
Benzo(a)anthracene	1410	41.7	"	1670		84.7	25-134		5.36	30	
Benzo(a)pyrene	1560	41.7	"	1670		93.8	29-144		5.98	30	
Aniline	893	167	"	1670		53.6	10-111		9.33	30	
Benzo(b)fluoranthene	1640	41.7	"	1670		98.1	20-151		6.24	30	
Anthracene	1080	41.7	"	1670		64.8	24-124		10.5	30	
Benzo(g,h,i)perylene	1850	41.7	"	1670		111	10-153		4.73	30	
Benzo(k)fluoranthene	1590	41.7	"	1670		95.4	10-148		8.00	30	
Atrazine	1130	41.7	"	1670		67.9	22-120		5.02	30	
Chrysene	1400	41.7	"	1670		84.2	24-116		5.69	30	
Dibenzo(a,h)anthracene	1680	41.7	"	1670		101	17-147		7.83	30	
Benzaldehyde	1080	41.7	"	1670		64.5	21-100		4.83	30	
Fluoranthene	1080	41.7	"	1670		64.6	36-125		4.01	30	
Fluorene	1120	41.7	"	1670		67.2	16-130		11.8	30	
Benzo(a)anthracene	1410	41.7	"	1670		84.7	25-134		5.36	30	
Indeno(1,2,3-cd)pyrene	1650	41.7	"	1670		98.7	10-155		6.01	30	
2-Methylnaphthalene	971	41.7	"	1670		58.2	16-127		14.4	30	
Benzo(a)pyrene	1560	41.7	"	1670		93.8	29-144		5.98	30	
Benzo(b)fluoranthene	1640	41.7	"	1670		98.1	20-151		6.24	30	
Naphthalene	949	41.7	"	1670		56.9	20-121		13.6	30	
Benzo(g,h,i)perylene	1850	41.7	"	1670		111	10-153		4.73	30	
Phenanthrene	1100	41.7	"	1670		66.0	24-123		10.1	30	
Benzoic acid	274	41.7	"	1670		16.5	10-116		13.8	30	
Pyrene	1490	41.7	"	1670		89.4	24-132		5.14	30	
Benzo(k)fluoranthene	1590	41.7	"	1670		95.4	10-148		8.00	30	
Benzyl alcohol	1260	41.7	"	1670		75.7	17-128		16.4	30	
Benzyl butyl phthalate	1440	41.7	"	1670		86.5	10-132		4.18	30	
1,1'-Biphenyl	1040	41.7	"	1670		62.7	22-103		12.3	30	
4-Bromophenyl phenyl ether	1050	41.7	"	1670		62.8	30-138		13.4	30	
Caprolactam	1540	83.3	"	1670		92.2	10-123			30	
Carbazole	1200	41.7	"	1670		71.8	31-120		6.12	30	
4-Chloro-3-methylphenol	1200	41.7	"	1670		72.0	16-138		15.6	30	
4-Chloroaniline	940	41.7	"	1670		56.4	10-117		21.0	30	
Bis(2-chloroethoxy)methane	954	41.7	"	1670		57.3	10-129		15.4	30	
Bis(2-chloroethyl)ether	1080	41.7	"	1670		65.1	14-125		16.6	30	
Bis(2-chloroisopropyl)ether	960	41.7	"	1670		57.6	14-122		11.2	30	
2-Chloronaphthalene	1080	41.7	"	1670		64.6	22-115		12.2	30	
2-Chlorophenol	1160	41.7	"	1670		69.4	25-121		13.5	30	
4-Chlorophenyl phenyl ether	1030	41.7	"	1670		61.5	18-132		11.3	30	
Chrysene	1400	41.7	"	1670		84.2	24-116		5.69	30	
Dibenzo(a,h)anthracene	1680	41.7	"	1670		101	17-147		7.83	30	
Dibenzofuran	1050	41.7	"	1670		62.7	23-123		14.6	30	
Di-n-butyl phthalate	1010	41.7	"	1670		60.5	19-123		5.78	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50280 - EPA 3550C											
LCS Dup (BA50280-BSD1)								Prepared & Analyzed: 01/08/2015			
1,2-Dichlorobenzene	1050	41.7	ug/kg wet	1670		63.0	26-113		13.5	30	
1,3-Dichlorobenzene	1090	41.7	"	1670		65.5	32-113		11.8	30	
1,4-Dichlorobenzene	981	41.7	"	1670		58.8	28-111		12.9	30	
3,3'-Dichlorobenzidine	1460	41.7	"	1670		87.8	10-147		4.02	30	
2,4-Dichlorophenol	1110	41.7	"	1670		66.9	23-133		13.5	30	
Diethyl phthalate	1210	41.7	"	1670		72.9	23-122		10.7	30	
2,4-Dimethylphenol	1050	41.7	"	1670		63.1	15-131		17.4	30	
Dimethyl phthalate	1380	41.7	"	1670		82.5	28-127		14.6	30	
4,6-Dinitro-2-methylphenol	1200	83.3	"	1670		71.9	10-149		5.43	30	
2,4-Dinitrophenol	1160	83.3	"	1670		69.6	10-149		12.0	30	
2,4-Dinitrotoluene	1510	41.7	"	1670		90.4	30-123		8.17	30	
2,6-Dinitrotoluene	1340	41.7	"	1670		80.3	30-125		14.2	30	
Di-n-octyl phthalate	1500	41.7	"	1670		90.0	10-132		6.28	30	
1,2-Diphenylhydrazine (as Azobenzene)	1110	41.7	"	1670		66.5	10-140		12.5	30	
Bis(2-ethylhexyl)phthalate	1420	41.7	"	1670		85.4	10-141		7.97	30	
Fluoranthene	1080	41.7	"	1670		64.6	36-125		4.01	30	
Fluorene	1120	41.7	"	1670		67.2	16-130		11.8	30	
Hexachlorobenzene	1150	41.7	"	1670		69.0	10-129		13.9	30	
Hexachlorobutadiene	917	41.7	"	1670		55.0	22-153		14.0	30	
Hexachlorocyclopentadiene	1600	41.7	"	1670		95.8	10-134		26.9	30	
Hexachloroethane	1020	41.7	"	1670		61.4	20-112		13.8	30	
Indeno(1,2,3-cd)pyrene	1650	41.7	"	1670		98.7	10-155		6.01	30	
Isophorone	1040	41.7	"	1670		62.3	14-131		18.2	30	
2-Methylnaphthalene	971	41.7	"	1670		58.2	16-127		14.4	30	
2-Methylphenol	994	41.7	"	1670		59.6	10-146		13.9	30	
3- & 4-Methylphenols	992	41.7	"	1670		59.5	20-109		17.0	30	
Naphthalene	949	41.7	"	1670		56.9	20-121		13.6	30	
4-Nitroaniline	1590	83.3	"	1670		95.3	14-125		0.168	30	
2-Nitroaniline	1500	83.3	"	1670		90.1	24-126		13.9	30	
3-Nitroaniline	1330	83.3	"	1670		79.7	23-123		18.3	30	
Nitrobenzene	971	41.7	"	1670		58.3	20-121		15.1	30	
2-Nitrophenol	1070	41.7	"	1670		64.0	17-129		15.0	30	
4-Nitrophenol	1770	83.3	"	1670		106	10-136		7.51	30	
N-nitroso-di-n-propylamine	1020	41.7	"	1670		61.5	21-119		16.8	30	
N-Nitrosodimethylamine	1070	41.7	"	1670		64.1	10-124		8.52	30	
N-Nitrosodiphenylamine	1280	41.7	"	1670		76.6	10-163		14.5	30	
Pentachlorophenol	1340	41.7	"	1670		80.7	10-143		7.22	30	
Phenanthrene	1100	41.7	"	1670		66.0	24-123		10.1	30	
Phenol	1050	41.7	"	1670		62.8	15-123		13.0	30	
Pyrene	1490	41.7	"	1670		89.4	24-132		5.14	30	
1,2,4,5-Tetrachlorobenzene	934	83.3	"	1670		56.0	10-144		13.0	30	
2,3,4,6-Tetrachlorophenol	ND	83.3	"	1670			30-130	Low Bias		30	
1,2,4-Trichlorobenzene	974	41.7	"	1670		58.4	23-130		11.0	30	
2,4,6-Trichlorophenol	1310	41.7	"	1670		78.6	27-122		13.5	30	
2,4,5-Trichlorophenol	1320	41.7	"	1670		79.1	14-138		13.6	30	
Surrogate: 2-Fluorophenol	*1800*		*"*	*2510*		*71.6*	*10-99*				
Surrogate: Phenol-d5	*1600*		*"*	*2510*		*63.7*	*10-108*				
Surrogate: Nitrobenzene-d5	*999*		*"*	*1670*		*59.8*	*10-119*				
Surrogate: Nitrobenzene-d5	*999*		*"*	*1670*		*59.8*	*10-119*				
Surrogate: 2-Fluorobiphenyl	*1080*		*"*	*1670*		*64.8*	*10-114*				
Surrogate: 2-Fluorobiphenyl	*1080*		*"*	*1670*		*64.8*	*10-114*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50280 - EPA 3550C											
LCS Dup (BA50280-BSD1)							Prepared & Analyzed: 01/08/2015				
Surrogate: 2,4,6-Tribromophenol	*1440*		*ug/kg wet*	*2510*		*57.5*	*30-130*				
Surrogate: Terphenyl-d14	*1320*		*"*	*1670*		*78.9*	*10-123*				
Surrogate: Terphenyl-d14	*1320*		*"*	*1670*		*78.9*	*10-123*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50279 - EPA 3550C											
Blank (BA50279-BLK1)								Prepared: 01/08/2015 Analyzed: 01/09/2015			
Toxaphene	ND	16.7	ug/kg wet								
Methoxychlor	ND	1.65	"								
Heptachlor epoxide	ND	0.330	"								
Heptachlor	ND	0.330	"								
gamma-Chlordane	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Endrin ketone	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Dieldrin	ND	0.330	"								
delta-BHC	ND	0.330	"								
Chlordane, total	ND	1.32	"								
beta-BHC	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
alpha-BHC	ND	0.330	"								
Aldrin	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
4,4'-DDE	ND	0.330	"								
4,4'-DDD	ND	0.330	"								
Surrogate: Tetrachloro-m-xylene	*53.9*		*"*	*67.7*		*79.6*	*30-140*				
Surrogate: Decachlorobiphenyl	*57.3*		*"*	*67.0*		*85.6*	*30-140*				
LCS (BA50279-BS1)								Prepared: 01/08/2015 Analyzed: 01/09/2015			
Methoxychlor	23.8	1.65	ug/kg wet	33.3		71.3	40-140				
Heptachlor epoxide	22.5	0.330	"	33.3		67.5	40-140				
Heptachlor	22.1	0.330	"	33.3		66.4	40-140				
gamma-Chlordane	22.3	0.330	"	33.3		67.0	40-140				
gamma-BHC (Lindane)	24.1	0.330	"	33.3		72.2	40-140				
Endrin ketone	23.7	0.330	"	33.3		71.0	40-140				
Endrin aldehyde	20.2	0.330	"	33.3		60.6	40-140				
Endrin	24.6	0.330	"	33.3		73.8	40-140				
Endosulfan sulfate	22.2	0.330	"	33.3		66.7	40-140				
Endosulfan II	23.9	0.330	"	33.3		71.7	40-140				
Endosulfan I	24.3	0.330	"	33.3		73.0	40-140				
Dieldrin	23.9	0.330	"	33.3		71.8	40-140				
delta-BHC	24.2	0.330	"	33.3		72.6	40-140				
beta-BHC	22.5	0.330	"	33.3		67.5	40-140				
alpha-Chlordane	23.3	0.330	"	33.3		69.8	40-140				
alpha-BHC	24.6	0.330	"	33.3		73.8	40-140				
Aldrin	24.2	0.330	"	33.3		72.5	40-140				
4,4'-DDT	25.1	0.330	"	33.3		75.2	40-140				
4,4'-DDE	23.7	0.330	"	33.3		71.0	40-140				
4,4'-DDD	24.8	0.330	"	33.3		74.4	40-140				
Surrogate: Tetrachloro-m-xylene	*52.1*		*"*	*67.7*		*76.9*	*30-140*				
Surrogate: Decachlorobiphenyl	*60.5*		*"*	*67.0*		*90.3*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50279 - EPA 3550C											
LCS Dup (BA50279-BSD1)								Prepared: 01/08/2015 Analyzed: 01/09/2015			
Methoxychlor	23.7	1.65	ug/kg wet	33.3		71.1	40-140		0.228	30	
Heptachlor epoxide	22.3	0.330	"	33.3		67.0	40-140		0.737	30	
Heptachlor	21.9	0.330	"	33.3		65.8	40-140		0.914	30	
gamma-Chlordane	23.0	0.330	"	33.3		69.0	40-140		2.98	30	
gamma-BHC (Lindane)	23.9	0.330	"	33.3		71.7	40-140		0.617	30	
Endrin ketone	25.3	0.330	"	33.3		75.9	40-140		6.68	30	
Endrin aldehyde	20.9	0.330	"	33.3		62.6	40-140		3.28	30	
Endrin	24.6	0.330	"	33.3		73.7	40-140		0.0692	30	
Endosulfan sulfate	23.8	0.330	"	33.3		71.4	40-140		6.80	30	
Endosulfan II	24.3	0.330	"	33.3		72.9	40-140		1.66	30	
Endosulfan I	24.5	0.330	"	33.3		73.5	40-140		0.734	30	
Dieldrin	23.9	0.330	"	33.3		71.8	40-140		0.0181	30	
delta-BHC	24.2	0.330	"	33.3		72.5	40-140		0.0924	30	
beta-BHC	24.0	0.330	"	33.3		72.1	40-140		6.52	30	
alpha-Chlordane	23.3	0.330	"	33.3		70.0	40-140		0.373	30	
alpha-BHC	25.0	0.330	"	33.3		75.0	40-140		1.60	30	
Aldrin	23.9	0.330	"	33.3		71.6	40-140		1.23	30	
4,4'-DDT	25.6	0.330	"	33.3		76.9	40-140		2.25	30	
4,4'-DDE	25.0	0.330	"	33.3		75.0	40-140		5.45	30	
4,4'-DDD	24.9	0.330	"	33.3		74.8	40-140		0.631	30	
Surrogate: Tetrachloro-m-xylene	*52.5*		*"*	*67.7*		*77.7*	*30-140*				
Surrogate: Decachlorobiphenyl	*60.7*		*"*	*67.0*		*90.6*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50279 - EPA 3550C											
Blank (BA50279-BLK1)								Prepared: 01/08/2015 Analyzed: 01/09/2015			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0673*		*"*	*0.0677*		*99.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0530*		*"*	*0.0670*		*79.1*	*30-140*				
LCS (BA50279-BS2)								Prepared: 01/08/2015 Analyzed: 01/09/2015			
Aroclor 1016	0.347	0.0167	mg/kg wet	0.333		104	40-130				
Aroclor 1260	0.339	0.0167	"	0.333		102	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0663*		*"*	*0.0677*		*98.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0513*		*"*	*0.0670*		*76.6*	*30-140*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50231 - EPA 3550B/8151A											
Blank (BA50231-BLK1)							Prepared & Analyzed: 01/08/2015				
2,4-D	ND	20.0	ug/kg wet								
2,4,5-TP (Silvex)	ND	20.0	"								
2,4,5-T	ND	20.0	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*466*		*"*	*500*		*93.2*	*30-150*				
LCS (BA50231-BS1)							Prepared & Analyzed: 01/08/2015				
2,4-D	166	20.0	ug/kg wet	160		104	40-140				
2,4,5-TP (Silvex)	150	20.0	"	160		93.8	40-140				
2,4,5-T	131	20.0	"	160		81.9	40-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*451*		*"*	*500*		*90.2*	*30-150*				
LCS Dup (BA50231-BSD1)							Prepared & Analyzed: 01/08/2015				
2,4-D	155	20.0	ug/kg wet	160		96.9	40-140		6.85	30	
2,4,5-TP (Silvex)	163	20.0	"	160		102	40-140		8.31	30	
2,4,5-T	137	20.0	"	160		85.6	40-140		4.48	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*511*		*"*	*500*		*102*	*30-150*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50233 - EPA 3545_A											
Blank (BA50233-BLK1)							Prepared & Analyzed: 01/08/2015				
Total EPH	ND	50.0	mg/kg wet								
Surrogate: 1-Chlorooctadecane	*10.8*		*"*	*10.0*		*108*	*40-140*				
Surrogate: o-Terphenyl	*10.9*		*"*	*10.0*		*109*	*40-140*				
LCS (BA50233-BS1)							Prepared & Analyzed: 01/08/2015				
Total EPH	261	50.0	mg/kg wet	360		72.6	40-140				
Surrogate: 1-Chlorooctadecane	*9.66*		*"*	*10.0*		*96.6*	*40-140*				
Surrogate: o-Terphenyl	*9.12*		*"*	*10.0*		*91.2*	*40-140*				
LCS Dup (BA50233-BSD1)							Prepared & Analyzed: 01/08/2015				
Total EPH	270	50.0	mg/kg wet	360		75.0	40-140		3.27	30	
Surrogate: 1-Chlorooctadecane	*10.1*		*"*	*10.0*		*101*	*40-140*				
Surrogate: o-Terphenyl	*9.49*		*"*	*10.0*		*94.9*	*40-140*				
Batch BA50281 - EPA 3545A											
Blank (BA50281-BLK1)							Prepared: 01/08/2015 Analyzed: 01/09/2015				
Total Petroleum Hydrocarbons-DRO	ND	10.0	mg/kg wet								
Total Petroleum Hydrocarbons-DRO	ND	10.0	"								
Surrogate: Triacontane	*13.0*		*"*	*15.0*		*86.4*	*30-150*				
Surrogate: Triacontane	*13.0*		*"*	*15.0*		*86.4*	*30-150*				
LCS (BA50281-BS1)							Prepared: 01/08/2015 Analyzed: 01/09/2015				
Total Petroleum Hydrocarbons-DRO	148	10.0	mg/kg wet	172		86.1	40-140				
Total Petroleum Hydrocarbons-DRO	148	10.0	"	172		86.1	40-140				
Surrogate: Triacontane	*13.2*		*"*	*15.0*		*88.0*	*30-150*				
Surrogate: Triacontane	*13.2*		*"*	*15.0*		*88.0*	*30-150*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50281 - EPA 3545A											
LCS Dup (BA50281-BSD1)								Prepared: 01/08/2015 Analyzed: 01/09/2015			
Total Petroleum Hydrocarbons-DRO	149	10.0	mg/kg wet	172		86.5	40-140		0.386	30	
Total Petroleum Hydrocarbons-DRO	149	10.0	"	172		86.5	40-140		0.386	30	
Surrogate: Triacontane	*13.7*		*"*	*15.0*		*91.4*	*30-150*				
Surrogate: Triacontane	*13.7*		*"*	*15.0*		*91.4*	*30-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50244 - EPA 3050B											
Blank (BA50244-BLK1)								Prepared & Analyzed: 01/08/2015			
Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								
Zinc	ND	1.00	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50244 - EPA 3050B											
Reference (BA50244-SRM1)							Prepared & Analyzed: 01/08/2015				
Aluminum	6880	1.00	mg/kg wet	8740		78.7	41.6-158				
Antimony	82.5	0.500	"	108		76.4	23-255				
Arsenic	145	1.00	"	151		96.1	70.9-130				
Arsenic	145	1.00	"	151		96.1	70.9-130				
Barium	260	1.00	"	262		99.1	73.7-126				
Barium	260	1.00	"	262		99.1	73.7-126				
Beryllium	128	0.100	"	133		96.6	75.1-125				
Beryllium	128	0.100	"	133		96.6	75.1-125				
Cadmium	139	0.300	"	152		91.5	73-126				
Cadmium	139	0.300	"	152		91.5	73-126				
Calcium	6280	5.00	"	6400		98.1	73.9-126				
Chromium	107	0.500	"	117		91.7	69.7-130				
Chromium	107	0.500	"	117		91.7	69.7-130				
Cobalt	69.2	0.500	"	68.7		101	74.4-126				
Copper	69.1	0.500	"	68.6		101	73.2-129				
Copper	69.1	0.500	"	68.6		101	73.2-129				
Iron	10700	2.00	"	12300		86.9	30.5-170				
Lead	235	0.300	"	254		92.6	75.6-125				
Lead	235	0.300	"	254		92.6	75.6-125				
Magnesium	3320	5.00	"	3600		92.2	68.3-132				
Manganese	543	0.500	"	563		96.4	77.4-123				
Nickel	315	0.500	"	315		100	74.3-127				
Nickel	315	0.500	"	315		100	74.3-127				
Potassium	2760	5.00	"	3040		90.9	62.5-137				
Selenium	160	1.00	"	162		98.7	67.3-132				
Selenium	160	1.00	"	162		98.7	67.3-132				
Silver	39.0	0.500	"	44.3		88.1	66.4-124				
Silver	39.0	0.500	"	44.3		88.1	66.4-124				
Sodium	736	10.0	"	746		98.7	56.8-143				
Thallium	243	1.00	"	259		94.0	69.5-131				
Thallium	243	1.00	"	259		94.0	69.5-131				
Vanadium	107	1.00	"	116		92.4	67.5-132				
Zinc	284	1.00	"	306		92.7	71.9-133				
Zinc	284	1.00	"	306		92.7	71.9-133				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50303 - EPA 3010A/1311											
Blank (BA50303-BLK1)								Prepared & Analyzed: 01/09/2015			
Arsenic	ND	0.004	mg/L								
Barium	ND	0.010	"								
Cadmium	ND	0.003	"								
Chromium	ND	0.005	"								
Lead	ND	0.003	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Blank (BA50303-BLK2)								Prepared & Analyzed: 01/09/2015			
Arsenic	ND	0.004	mg/L								
Barium	ND	0.010	"								
Cadmium	ND	0.003	"								
Chromium	ND	0.005	"								
Lead	ND	0.003	"								
Selenium	0.011	0.010	"								
Silver	ND	0.005	"								
Reference (BA50303-SRM1)								Prepared & Analyzed: 01/09/2015			
Arsenic	0.404	0.004	mg/L	0.438		92.1	83.3-116				
Barium	0.386	0.010	"	0.365		106	84.9-115				
Cadmium	0.325	0.003	"	0.334		97.3	85-115				
Chromium	0.787	0.005	"	0.797		98.8	84.9-115				
Lead	1.46	0.003	"	1.47		99.4	85-115				
Selenium	0.483	0.010	"	0.521		92.7	85-115				
Silver	0.362	0.005	"	0.384		94.4	84.9-115				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50260 - EPA 7473 soil											
Blank (BA50260-BLK1)								Prepared & Analyzed: 01/08/2015			
Mercury	ND	0.0300	mg/kg wet								
Reference (BA50260-SRM1)								Prepared & Analyzed: 01/08/2015			
Mercury	5.2329		mg/kg	5.76		90.8	71.2-129				
Batch BA50315 - EPA 7473 water											
Blank (BA50315-BLK1)								Prepared: 01/09/2015 Analyzed: 01/11/2015			
Mercury	ND	0.000200	mg/L								
Reference (BA50315-SRM1)								Prepared: 01/09/2015 Analyzed: 01/11/2015			
Mercury	0.00200		mg/L	0.00230		87.0	61.3-135				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50286 - EPA SW 846-1311 TCLP ext. for metals											
Blank (BA50286-BLK1)								Prepared: 01/08/2015 Analyzed: 01/09/2015			
TCLP Extraction	Completed	1.00	N/A								
Batch BA50430 - EPA SW846-3060											
Blank (BA50430-BLK1)								Prepared: 01/12/2015 Analyzed: 01/13/2015			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BA50430-SRM1)								Prepared: 01/12/2015 Analyzed: 01/13/2015			
Chromium, Hexavalent	94.4		mg/L	125		75.5	20.2-180				
Batch BA50457 - Analysis Preparation Soil											
Blank (BA50457-BLK1)								Prepared & Analyzed: 01/13/2015			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BA50457-DUP1)	*Source sample: 15A0137-01 (WC-4)							Prepared & Analyzed: 01/13/2015			
Cyanide, total	ND	0.564	mg/kg dry		ND					15	
Matrix Spike (BA50457-MS1)	*Source sample: 15A0137-01 (WC-4)							Prepared & Analyzed: 01/13/2015			
Cyanide, total	10.2	0.564	mg/kg dry	11.3	ND	90.0	79.6-107				
Reference (BA50457-SRM1)								Prepared & Analyzed: 01/13/2015			
Cyanide, total	83.5		ug/mL	59.3		141	38.4-202				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15A0137-01	WC-4	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PF-01	No Free Liquid
M-SeTC	It is noted that a known interference with selenium at the analytical line for analysis by ICP is caused by carbon emission from the TCLP or high organics matrix. The data user may subtract the matrix blank value from the data if needed.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IGN-01	Non-Ignit.
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
EXT-Temp	Extraction temperture slightly exceeded acceptance range.
EXT-COMP	Completed
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES INC

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15A0137

YOUR Information		Report to:		Invoice To:		Your Project ID	Turn-Around Time	
Company:	Hydro Tech Env Corp	SAME	X	SAME		#140309 83 Bushwick Place Brooklyn, NY	RUSH-Same Day	
Address:	15 Ocean Ave, 2nd Floor	Name:		Name:	Muslima Ward		RUSH-Next Day	
	Brooklyn NY 11225	Company:		Company:	Hydro Tech Env	Purchase Order #	RUSH-Two Day	
Phone.:	(718) 636-0800	Address:		Address:	77 Arkay Drive Suite G		RUSH-Three Day	
Contact:	Morgan Violette				Hauppauge, NY 11788	7150	RUSH-Four Day	X
E-mail:	mviolette@hydrotechenvironmental.com	E-mail:		E-mail	mward@hydrotechenvir	Samples from CT__NY_X_NJ__	Standard (5-7day)	

Report/Deliverable Type	
Summary Report	X
QA Report	X
CT RCP	
CT RCP DQA/DUE Pkg	
NY ASP A Package	
NY ASP B Package	
NJDEP Reduced Deliv	
Excel	X
NYSDEC EQuIS	
NJDEP SRP HazSite	
EQuIS	
GIS/KEY (std)	

YORK Regulatory Comp Excel *compared to:*

OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Morgan Violette

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
WC-4	1/6/15 @ 1400	S	Beneficial reuse: hybrid testing for Clean Earth Carteret, Soil Safe of Logan Township, NJ Commercial/Residential Beneficial Reuse parameters	1 ~~3~~ TC set, ~~4~~ 2 8 oz jar

Comments:

Refer to Clean Earth Carteret and Soil Safe Logan Township testing requirements attached. Standard 4-day turnaround

Special Instructions

Preservation (check all appliciable)

4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____
ZnAc Ascorbic Acid Other

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
M Ward	1-7-15@ 1215		1/7/15
TC Mahl	1/7/14 1820		

Temp on 5.1°C

15A0137

Sampling Requirements - CEC + Beneficial Use Sites

	PARAMETERS	EPH (Extractable Petroleum Hydrocarbon)	TOTAL VOLATILE ORGANICS (TCL+10 & NJDEP SCC List + NJDEP SRS List)	TOTAL SEMIVOLATILE ORGANICS (TCL + 20 & NJDEP SCC List + NJDEP SRS List)	Total Cyanide	TAL Metals & Hexavalent Chromium and Mercury	TCLP METALS (& RCRA)	PCBs	Total Pesticides (TCL + NJDEP SCC List & NJDEP SRS List)	RCRA Characteristics (Ignitability, Corrosivity, Reactivity)
METHODS**	**Type of material**		Extractable Petroleum Hydrocarbon/EPH	8260B - **with EnCore sampling devices**	8270D	9014	6000/7000	1311/6010	8082A	8081A/8151A
		FREQUENCY								
Cross Approval - BU Sites & CEC	**Construction Fill (Most Soil Jobs)**	Grab - Every 800 cy - **With EnCore**	**See notes**	X						
		5 point grab composite every 800 cy	X		X	X	X	X	X	X

NOTES:

** The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should always be utilized by the laboratory.

Protocol for sampling requires the screening of each of the five (5) grab samples with a PID. The highest PID grab sample for every 800 cy is to be submitted for the VOC portion of the testing utilizing an ENCORE sampling device. The five (5) grab samples are then to be composited for every 800 cy and submitted for the remaining parameters.

In addition, Clean Earth of Carteret requires 1 EPH analysis every 100 cy, which can be analyzed from incoming loads.

8/30/2013

15A0137

Soil Safe

Material Characterization Report
Logan Township, New Jersey

Sampling and Analysis Requirements for Residential or Commercial Sites (No PCB's or PAH's are suspected or known)

Analysis	Method	Frequency
TPH	8015	One composite every 100 cubic yards
VOC	8260	One grab every 800 cubic yards
Total Metals *Arsenic, Antimony, Barium, Beryllium, Cadmium, Copper, Lead, Nickel, Thallium, Zinc*	6010	One composite every 800 cubic yards
TCLP Metals *Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver*	1311/6010	One per Site
Paint Filter	9095	One per Site

Sampling and Analysis Requirements for Industrial Sites, and Non-Qualifying Residential/Commercial Sites (In addition to the above)

PCB's	8082	One composite every 800 cubic yards
PAH's	8270	One composite every 800 cubic yards

Additional Analysis

We understand that project volumes are estimates and many times volume increases will require additional testing to meet Soil Safe's Permit frequency requirements. Additional testing is the responsibility of each client. Arrangements can be made with Soil Safe to aid in additional testing. Please contact your Sales Representative to discuss any additional testing needs.

Load Inspection

Every vehicle delivering soil will be inspected for commingled waste. Such wastes include concrete, asphalt, brick, block, non-recyclable trash, steel, and other recyclable materials. Any load found to contain greater than permitted levels will be considered non-conforming. (See below).

Sample and Analysis Certification

I certify that soils were sampled as noted above and the results are representative of the stated volume to be shipped to Soil Safe, Inc.

X Signature:

Site Diagram (please sketch or attach drawing showing source of soil on project site)

Rev: 2008.02

Appendix ~~1~~0

Disposal Manifests

Environmental Waste Minimization, Inc.

EIN#: 23-2827092
14 Brick Kiln Court
Northampton, PA 18067

Invoice

Date	Invoice #
12/31/2014	202961

Bill To
Dynatec Contracting ATTN: Accounts Payable 25-52 Crescent Street Astoria, NY 11102

83 Bushwick Pl

Terms	Due Date	Rep	P.O. No.
Net 45	2/28/2015	JKS	bushwick place

Quantity	Description	Rate	Amount
	Date of Service 12/30-12/31/14- Bushwick Soil-Quote#109053		
453.8	PA Clean Soil to TRC	39.00	17,698.20
1	TCLP Lead Analysis 12/22/14	325.00	325.00
		Subtotal	$18,023.20
		Sales Tax (0.0%)	$0.00
	Thank you for your business!	**Payments/Credits**	$0.00

Phone #	E-mail	Web Site
484-275-6903	dfox@ewmi-info.com	www.ewmi.com

Balance Due **$18,023.20**

For your convenience, we accept Visa, Mastercard and American Express

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 109053 Date: 12-30-14 Day: _____
Customer: Dynatec Customer Contact: Mehmet Yanger
Job Location: 224 Boerum St Brooklyn Customer Phone: 917-412-2077

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Trevor B	Pm	430	700	1315	1630	12
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D _ D _ C _ B

EQUIPMENT	QTY
T-163	1
Hp Laptop	1

EQUIPMENT	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

- The truckers and I arrived at 83 Bushwick Place at 645 and found out that we were at the wrong location.
- I called Mehmet(Dynatec) and he gave me and address of 224 Beorum St for the job site.
- The truckers and I headed to the job site and started loading at 730
- We were supposed to do 5*2 to TRC but Mendez sent 10 trucks. I called Kristen(EWMI) to let her know that we had 10 trucks and Would be doing one round.
- All trucks were loaded by 830 and Mehmet called Kristen to see if she could get one more truck for the little dirt we have left.
- Kristen called Mehmet back around 845 and told him that one truck will make a turn for the last load.
- The last truck arrived at 100 and was loaded by105.

Weather: sunny Temperature: 29 °F
Customer Signature: _____ Representative: Trevor Borger
Date: _____ Date: 12-30-14

Original - Customer Copy

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 109053 Date: 12-31-14 Day:
Customer: Dynatec Customer Contact: Mehmet Yanger
Job Location: 224 Boerum St Brooklyn Customer Phone: 917-412-2077

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Trevor B	Pm	430	700	800	1000	5.5
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D _ D _ C _ B

EQUIPMENT	QTY
T-163	1
Hp Laptop	1

EQUIPMENT	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

- Today we are loading out of Grid 2 (0-8') with Mendez doing 4*1.
- At 700 we started loading the trucks and had 3 of the 4 trucks loaded by 715.
- I called Juan(Mendez) to make sure the 4th truck was coming and he said it was on the way.
- The 4th truck showed up at 745 and we loaded it up by 750.
- I left the job at 800.

Weather: sunny Temperature: 29 °F
Customer Signature: Representative: Trevor Borger
Date: Date: 12-31-14

Original - Customer Copy

Total # of Loads:	4	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	110.12	Light Load Surcharge Tonnage:	0
Average Tons per Load:	27.53	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	12/31/2014	Mendez	97	TRC-Walnut Cut	700	705	242924	29.13	2(0-8')
2	12/31/2014	Mendez	87	TRC-Walnut Cut	700	710	242925	26.55	2(0-8')
3	12/31/2014	Mendez	56	TRC-Walnut Cut	700	715	242926	27.22	2(0-8')
4	12/31/2014	Mendez	55	TRC-Walnut Cut	740	745	242927	27.22	2(0-8')
5									

Transportation Charter / Manifest

Generator:
Generator: Scan Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Site: 83 Dodgewick Place
Brooklyn, NY 11206
Block 3073, Lot 97

Job # 6100

1

Authorized By (print) PAUL MILANESI

Authorized By (title) Environmental Consultant

Authorized By (sig) [signature]
Time: 7:00 Date: 12-31

Transporter:

Mendez
#97

2

Driven By Todd

Truck/Trailer Plate AP 791 H

Driver Signature
Time: 7:30 Date: 12-31

Material/Note(s): Compliant with Pennsylvania Management of Fill Policy.

Grade (Class)
(C-8)

Manifest Number 242924

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 58260 GROSS WEIGHT 86760
NET TONS 29.13 TARE WEIGHT 28500
TICKET NUMBER 560

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:
Total Recycling Corp. (TRC)
TRC - Walnut Cut
3777 Dogwood Rd.
Danielsville, PA 18038

3

Date/Time 12/31/14 9:28

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: 242,924

Ticket Number: 00924 924

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

86760 lb
28500 lb
58260 lb

NET (Tons):

29.130 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
1/6/15	9:51 am	9:52 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Tr MENDE Name, Address and Permit #:

Driver Name and Signature (conditional):

AP791H
Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator: Historic Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Site: 83 Bushwick Place
Brooklyn, NY 11206
Block 3073, Lot 97

Job # 8100

1

Authorized By (print) Paul Milanesi

Authorized By (title) Environmental Consultant

Authorized By (sig) Paul Milanesi

Time 7:10 Date 12/31

Transporter:
Mendez
#87

2

Driven By Celso Averos

Truck/Trailer Plate AP 7194

Driver Signature Celso Averos

Time 7:10 Date 12/31

Material/Note(s): Compliant with Pennsylvania Management of Fill Policy.
Grid 2 (WC 2)
(C-8')

Manifest Number 242925

IMPACT

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 52160 GROSS WEIGHT 81960
NET TONS 26.55 TARE WEIGHT 29800
TICKET NUMBER 814

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:
Total Recycling Corp. (TRC)
TRC – Walnut Cut
3777 Dogwood Rd.
Danielsville, PA 18038

3

Date/Time 12/31/14 10:11

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Celso Averos

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: ~~242,925~~

Ticket Number: 00814 ~~814~~

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
81960 lb
28860 lb
53100 lb

NET (Tons):
26.550 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

	Tare Time	Gross Time
Date and Time In: 12/31/14	10:10 am	10:11 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

MENDE
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AN719Y
Truck Plate Number:

By signing this ticket the *transport* vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
Rockefeller Slate Property Group
950 Third Ave., Suite 168
New York, NY 10022

Site: 83 Rubinick Place
Brooklyn, NY 11206
Block 3073, Lot 97

Job # 8100

1

Authorized By (print) PAUL MILANESI

Authorized By (title) Environmental Consultant

Authorized By (sig) [signature]
Time: 7:15 Date: 12-31

Transporter:
Mendez
#56

2

Driven By Crisovaldo C. Scarlatti

Truck/Trailer Plate #56 A5521B NJ

Driver Signature [signature]
Time: 7:15 Date: 12-31

Material/Note(s):
Material is compliant with Pennsylvania Management of Fill Policy
Grid 2 (WC-2)
(0-8')

Manifest Number 242926

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 54440 GROSS WEIGHT 81940
NET TONS 27.22 TARE WEIGHT 27500
TICKET NUMBER 818

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyle

Receiving Facility:
Total Recycling Corp. (TRC)
TRC – Walnut Cut
3777 Dogwood Rd.
Danielsville, PA 18038

3

Date/Time 12/31/14 10:07

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: ~~242,926~~

Ticket Number: 00813 ~~813~~

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES

WEIGHT

GROSS/TARE/NET (lbs)
81940 lb
27500 lb
54440 lb

NET (Tons):
27.220 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: **CIS**

	Tare Time	Gross Time
Date and Time In: **12/31/14**	**10:05 am**	**10:07 am**

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

MENDE
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AS521B
Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Total # of Loads:	11	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	343.68	Light Load Surcharge Tonnage:	0
Average Tons per Load:	31.2436364	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	12-30-14	Mendez	1	TRC-Walnut Cut	730	735	242913	26.88	3(0-8')
2	12-30-14	Mendez	223	TRC-Walnut Cut	730	740	242914	30.33	3(0-8')
3	12-30-14	Mendez	22	TRC-Walnut Cut	730	745	242915	30.25	3(0-8')
4	12-30-14	Mendez	27	TRC-Walnut Cut	730	750	242916	33.75	3(0-8')
5	12-30-14	Mendez	63	TRC-Walnut Cut	730	755	242917	32.42	3(0-8')
6	12-30-14	Mendez	98	TRC-Walnut Cut	730	800	242918	31.24	3(0-8')
7	12-30-14	Mendez	91	TRC-Walnut Cut	730	805	242919	32.08	3(0-8')
8	12-30-14	Mendez	45	TRC-Walnut Cut	730	810	242920	28.63	3(0-8')
9	12-30-14	Mendez	13	TRC-Walnut Cut	730	815	242921	30.97	3(0-8')
10	12-30-14	Mendez	21	TRC-Walnut Cut	730	820	242922	33.18	3(0-8')
11	12-30-14	Mendez	1	TRC-Walnut Cut	1300	1305	242923	33.95	3(0-8')
12									

Transportation Charter / Manifest

Generator:
GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Jorgem Pueda

Authorized By (title) HTE

Authorized By (sig)

TIME:_____ DATE: 12/30/14

Transporter:

Mendez #1

2

Driven By Marlon Lopez

Truck/Trailer Plate A12903C

Driver Signature MLL

TIME:_____ DATE:_____

Material/Note(s):
MATERIAL COMPLIANT WITH PENNSYLVANIA MANAGEMENT OF FILL POLICY.

Grd 3 (WC-3)
(0-8)

Manifest Number 242913

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 53160 GROSS WEIGHT 82160

NET TONS 26.58 TARE WEIGHT 28560

TICKET NUMBER 798

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:
TOTAL RECYCLING CORP. (TRC)
TRC – WALNUT CUT
3777 DOGWOOD RD.
DANIELSVILLE, PA 18038

3

Date/Time 12/30/14 10:31

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) MLL

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: ~~242,913~~

Ticket Number: 00795 ~~795~~

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
82260 lb
28500 lb
53760 lb

NET (Tons):
26.880 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: **CIS**

	Tare Time	Gross Time
Date and Time In: **12/30/14**	**10:30 am**	**10:31 am**

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #: **MENDE**

Driver Name and Signature (conditional):

Truck Plate Number: **AR903C**

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Jorge Pineda

Authorized By (title) HTE

Authorized By (sig)

TIME:_____ DATE: 12/30/14

Transporter:
Manuel Hauling
223

2

Driven By Hector

Truck/Trailer Plate AM 320V

Driver Signature

TIME:_____ DATE:_____

Material/Note(s):
MATERIAL COMPLIANT WITH PENNSYLVANIA MANAGEMENT OF FILL POLICY.

GRID 3
(WC-5)
0-8

Manifest Number 242914

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 66650 GROSS WEIGHT 92200

NET TONS 30.325 TARE WEIGHT 25550

TICKET NUMBER 793

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:
TOTAL RECYCLING CORP. (TRC)
TRC – WALNUT CUT
3777 DOGWOOD RD.
DANIELSVILLE, PA 18038

3

Date/Time 12/30/14 10:05

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: 249,914

Ticket Number: 00793
793

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
89200 lb
28550 lb
60650 lb

NET (Tons):
30.330 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

	Tare Time	Gross Time
Date and Time In: 12/30/14	10:04 am	10:05 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

MENDE
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AM320V
Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Jorge m Pineda

Authorized By (title) HTE

Authorized By (sig)

TIME: 7:41 DATE: 12/30/14

Transporter:
Mendez
#22

2

Driven By Mesias.

Truck/Trailer Plate AP874P

Driver Signature

TIME: 7:41 DATE: 12-31

Material/Note(s):
MATERIAL COMPLIANT WITH PENNSYLVANIA MANAGEMENT OF FILL POLICY.
Grid 3 (WC-3)
(0-8')

Manifest Number 242915

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 6500 GROSS WEIGHT 87000
NET TONS 36.25 TARE WEIGHT 26500
TICKET NUMBER 796

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:
TOTAL RECYCLING CORP. (TRC)
TRC – WALNUT CUT
3777 DOGWOOD RD.
DANIELSVILLE, PA 18038

3

Date/Time 12/30/14 10:34

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: 242,915

Ticket Number: 00796
796

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
87000 lb
26500 lb
60500 lb

NET (Tons):
30.250 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In	Tare Time	Gross Time
12/30/14	10:33 am	10:34 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #: MENDE

Driver Name and Signature (conditional):

Truck Plate Number: AP874P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Jorge m Pineda

Authorized By (title) HTE

Authorized By (sig)

TIME:_____ DATE: 12/30/14

Transporter:

Mendez
#27

2

Driven By Mendez

Truck/Trailer Plate AP279K

Driver Signature Mendez

TIME:_____ DATE: 12-30-14

Material/Note(s):
MATERIAL COMPLIANT WITH PENNSYLVANIA MANAGEMENT OF FILL POLICY.

Grid 3 (WC-3)
(0-8')

Manifest Number 242916

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 67500 GROSS WEIGHT 96000

NET TONS 33.75 TARE WEIGHT 28500

TICKET NUMBER 799

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:
TOTAL RECYCLING CORP. (TRC)
TRC – WALNUT CUT
3777 DOGWOOD RD.
DANIELSVILLE, PA 18038

3

Date/Time 12/30/14 10:29

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Mendez

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: 242,916

Ticket Number: 00794 794

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
96000 lb
28500 lb
67500 lb

NET (Tons):
33.750 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

	Tare Time	Gross Time
Date and Time In 12/30/14	10:28 am	10:29 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

MENDE
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):
Mender

AP279K
Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible *for compliance* with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Jorgem Pineda

Authorized By (title) HTE

Authorized By (sig)

TIME: DATE: 12/30/14

Transporter:

Mendez
#62

2

Driven By Alvin

Truck/Trailer Plate AP 865 P

Driver Signature

TIME: DATE:

Material/Note(s):
MATERIAL COMPLIANT WITH PENNSYLVANIA MANAGEMENT OF FILL POLICY.

Grid 3 (WL-3)
(0-8')

Manifest Number 242917

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 64840 GROSS WEIGHT 92040

NET TONS 32.42 TARE WEIGHT 27200

TICKET NUMBER 8052

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:
TOTAL RECYCLING CORP. (TRC)
TRC – WALNUT CUT
3777 DOGWOOD RD.
DANIELSVILLE, PA 18038

3

Date/Time 12/30/14 11:25

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: 242,917

Ticket Number: 00802
802

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
92040 lb
27200 lb
64840 lb

NET (Tons):
32.420 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

	Tare Time	Gross Time
Date and Time In: 12/30/14	11:24 am	11:25 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

MENDE
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AP865P
Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Jorge Pueda

Authorized By (title) HTE

Authorized By (sig)

TIME: 8:00 DATE: 12-30

Transporter:

Mendez
98

2

Driven By Luis ABREU

Truck/Trailer Plate AP 7792H

Driver Signature

TIME: 8:00 DATE: 12-30

Material/Note(s):
MATERIAL COMPLIANT WITH PENNSYLVANIA MANAGEMENT OF FILL POLICY.
Grid 3 (WC-3)
(0-8')

Manifest Number 242918

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 66480 GROSS WEIGHT 91480

NET TONS 33.24 TARE WEIGHT 24000

TICKET NUMBER 861

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:
TOTAL RECYCLING CORP. (TRC)
TRC – WALNUT CUT
3777 DOGWOOD RD.
DANIELSVILLE, PA 18038

3

Date/Time 12/30/19 11:27

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: ~~242,918~~

Ticket Number: 00801 ~~801~~

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
91480 lb
29000 lb
62480 lb

NET (Tons):
31.240 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: **CIS**

Date and Time In	Tare Time	Gross Time
12/30/14	**11:20 am**	**11:22 am**

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #: **MENDE**

Driver Name and Signature (conditional):

Truck Plate Number: **AP792H**

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Jorge Rivera

Authorized By (title) H&E

Authorized By (sig)

TIME: 8:05 DATE: 12-30

Transporter:

Mendez # 91

2

Driven By Sohin CARCAMO

Truck/Trailer Plate AN556Y

Driver Signature Sohin C

TIME: 8:05 DATE: 12-30

Material/Note(s): MATERIAL COMPLIANT WITH PENNSYLVANIA MANAGEMENT OF FILL POLICY.

Grid 3 (WC-3)
(0-8')

Manifest Number 242919

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 64160 GROSS WEIGHT 92260

NET TONS 32.08 TARE WEIGHT 28100

TICKET NUMBER 797

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:
TOTAL RECYCLING CORP. (TRC)
TRC – WALNUT CUT
3777 DOGWOOD RD.
DANIELSVILLE, PA 18038

3

Date/Time 12/30/14 10:47

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Sohin C

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: ~~242,919~~

Ticket Number: 00797 ~~797~~

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

92260	lb
28100	lb
64160	lb

NET (Tons):
32.080 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: **CIS**

	Tare Time	Gross Time
Date and Time In: 12/30/14	10:46 am	10:47 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

MENDE
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):
Sohin C

AN556Y
Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Jorge m Pneda

Authorized By (title) H/E

Authorized By (sig)
TIME: 8:10 DATE: 12-30

Transporter:

Mendez # 45

2

Driven By Jorge Acevedo

Truck/Trailer Plate A5 531D

Driver Signature
TIME: 8:14 DATE: 12-31

Material/Note(s): COMPLIANT WITH PENNSYLVANIA MANAGEMENT OF FILL POLICY.

Grid 3 (WC-3)
Lo-8'1

Manifest Number 242920

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 57160 GROSS WEIGHT 85660
NET TONS 28.63 TARE WEIGHT 28500
TICKET NUMBER 798

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyl

Receiving Facility:
TOTAL RECYCLING CORP. (TRC)
TRC – WALNUT CUT
3777 DOGWOOD RD.
DANIELSVILLE, PA 18038

3

Date/Time 12/30/14 10:54

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: ~~242,920~~

Ticket Number: 00798 ~~798~~

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

85760 lb
28500 lb
57260 lb

NET (Tons):

28.630 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

	Tare Time	Gross Time
Date and Time In: 12/30/14	10:53 am	10:54 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #: MENDE

Driver Name and Signature (conditional):

Truck Plate Number: AS531D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator: GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Jorge m Pineda

Authorized By (title) H/E

Authorized By (sig)

TIME: 8:10 DATE: 12-30

Transporter:

Mendez
#13

2

Driven By Harold Jimenez

Truck/Trailer Plate 13-AP272K

Driver Signature

TIME: 8:40 DATE: 12-30

Material/Note(s): MATERIAL COMPLIANT WITH PENNSYLVANIA MANAGEMENT OF FILL POLICY.

Grid 3 (WC-3)
(0-8')

Manifest Number 242921

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 61940 GROSS WEIGHT 91940

NET TONS 30.97 TARE WEIGHT 30000

TICKET NUMBER 799

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:
TOTAL RECYCLING CORP. (TRC)
TRC – WALNUT CUT
3777 DOGWOOD RD.
DANIELSVILLE, PA 18038

3

Date/Time 12/30/14 11:05

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: 242,921

Ticket Number: 00799
799

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
91940 lb
30000 lb
61940 lb

NET (Tons):
30.970 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator CIS

Date and Time In	Tare Time	Gross Time
12/30/14	11:08 am	11:08 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

MENDE
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AP278K
Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Jorge m Pnad

Authorized By (title) Jm m P HE

Authorized By (sig)
TIME: 8:30 DATE: 12-30

Transporter:
Mendez
#21

2

Driven By Javier Idrovo

Mendez #21
Truck/Trailer Plate AN694R / NJ

Driver Signature
TIME: 8:30 DATE: 12-30

Material/Note(s):
MATERIAL COMPLIANT WITH PENNSYLVANIA MANAGEMENT OF FILL POLICY.
Grid J (WC-3)
(0-8)

Manifest Number 242922

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 46360 GROSS WEIGHT 45360
NET TONS 23.18 TARE WEIGHT 25140
TICKET NUMBER 780

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:
TOTAL RECYCLING CORP. (TRC)
TRC – WALNUT CUT
3777 DOGWOOD RD.
DANIELSVILLE, PA 18038

3

Date/Time 12/30/14 11:18

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: ~~242,922~~

Ticket Number: 00800 ~~800~~

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)	NET (Tons):
95300 lb	
28940 lb	33.180 tn
66360 lb	

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

	Tare Time	Gross Time
Date and Time In: 12/30/14	11:17 am	11:18 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

MENDE
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):
Jaime Idrovo

AN694R
Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross *weight of this divisible* load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator: GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Jorge m Pineda

Authorized By (title) HTE

Authorized By (sig)
TIME: _____ DATE: 12/30/14

Transporter:

Mendez

#1

2

Driven By Marlon E Lopez

Truck/Trailer Plate A12903C

Driver Signature MLL
TIME: _____ DATE: _____

Material/Note(s): MATERIAL COMPLIANT WITH PENNSYLVANIA MANAGEMENT OF FILL POLICY.

Grid 3 (WC-3)
(0-8')

Manifest Number 242923

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 67900 GROSS WEIGHT 96400

NET TONS 33.95 TARE WEIGHT 28500

TICKET NUMBER 806

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tulle

Receiving Facility:
TOTAL RECYCLING CORP. (TRC)
TRC – WALNUT CUT
3777 DOGWOOD RD.
DANIELSVILLE, PA 18038

3

Date/Time 12/30/14

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) MLL

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: 242,923

Ticket Number: 00806
806

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
96400 lb
28500 lb
67900 lb

NET (Tons):
33.950 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

	Tare Time	Gross Time
Date and Time In: 12/30/14	4:00 pm	4:01 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

MENDE
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):
Marlon L

AR903C
Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

TestAmerica Job ID: 460-88247-1
Client Project/Site: 83 BUSCHWICK PLACE
Revision: 1

For:
Environmental Waste Minimization, Inc
14 Brick Kiln Court
North Hampton, Pennsylvania 18067

Attn: Kristen Dion

Authorized for release by:
12/30/2014 10:19:42 PM

Jannel Franklin, Project Manager I
(732)593-2551
jannel.franklin@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Table of Contents 2
Sample Summary 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Certification Summary 7
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Sample Summary

Client: Environmental Waste Minimization, Inc
Project/Site: 83 BUSCHWICK PLACE

TestAmerica Job ID: 460-88247-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-88247-1	GRID 2 STOCKPILE	Solid	12/22/14 13:15	12/22/14 15:15

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-88247-1

Laboratory: TestAmerica Edison

Narrative

Job Narrative - REVISION 1
460-88247-1

Comments
No additional comments.

Receipt
The sample was received on 12/22/2014 3:15 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 16.4° C.

Except:

The following sample(s) was received at the laboratory outside the required temperature criteria: sample received without cooler or ice at a temperature of 16.4°C IR#5.

Revision 1
Method(s) 1311, 3010A, 6010C: The following report(s) required a revision: 460-88247-1. Details are as follows: Initial report generated without TCLP Metals; this has been added.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Environmental Waste Minimization, Inc
Project/Site: 83 BUSCHWICK PLACE

TestAmerica Job ID: 460-88247-1

Client Sample ID: GRID 2 STOCKPILE

Lab Sample ID: 460-88247-1

Date Collected: 12/22/14 13:15
Date Received: 12/22/14 15:15

Matrix: Solid
Percent Solids: 88.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	98.5		2.1	0.86	mg/Kg	☼	12/23/14 07:30	12/24/14 14:18	4

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	23.2	U	50.0	23.2	ug/L		12/30/14 09:46	12/30/14 19:07	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11.4		1.0	1.0	%			12/23/14 11:38	1
Percent Solids	88.6		1.0	1.0	%			12/23/14 11:38	1

Certification Summary

Client: Environmental Waste Minimization, Inc
Project/Site: 83 BUSCHWICK PLACE

TestAmerica Job ID: 460-88247-1

Laboratory: TestAmerica Edison

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0200	09-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A	12-31-14
New Jersey	NELAP	2	12028	06-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

New York	NELAP	2	11452	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Pennsylvania	NELAP	3	68-00522	02-28-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Environmental Waste Minimization, Inc
Project/Site: 83 BUSCHWICK PLACE

TestAmerica Job ID: 460-88247-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

12/30/2014

Name (for report and invoice): KRISTEN DOUN
Company (EWMI): ENV. WASTE MITIGATION INC.
Address: 4 BRICK KILN COURT
City: NORTHAMPTON State: PA 18067
Phone: 484-275-6900 Fax: (484)275-6970

Samplers Name (Printed): JOM SHERRITT
P. O. #: # 107053

Site/Project Identification: 88 BUSCHWICK PLACE
State (Location of site): NJ: ☐ NY: ☒ Other:
Regulatory Program:

Analysis Turnaround Time
Standard ☐
Rush Charges Authorized For:
2 Week ☐
1 Week ☐
Other ☒ 72 HOUR

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: 88247

Sample Identification	Date	Time	Matrix	No. of. Cont.		TOTAL LEAD	TCLP LEAD								Sample Numbers
GRID 2 STOCKPILE	12/22/14	13:15	S	1		X	X								-1

3-Day RUSH

460-88247 Chain of Custody

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____
Soil:
Water:

Special Instructions

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	EWMI	12/22/14 3:15	1) [signature]	TA Edison
2)			2)	12/22/14
3)			3)	1515
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0814)

14.4 / 16.4°C NO cooler or ice

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 88247

Number of Coolers: 0 IR Gun # 5

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	16.4 °C	16.4 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: [illegible] Date: 12/22/14

EDS-WI-038, Rev 4, 06/09/2014

Login Sample Receipt Checklist

Client: Environmental Waste Minimization, Inc

Job Number: 460-88247-1

Login Number: 88247
List Number: 1
Creator: Lysy, Susan

List Source: TestAmerica Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	See NCM
Cooler Temperature is recorded.	True	16.4°C IR#5 NO COOLER OR ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Environmental Waste Minimization, Inc.

EIN#: 23-2827092
14 Brick Kiln Court
Northampton, PA 18067

Invoice

Date	Invoice #
1/15/2015	202971

Bill To
Dynatec Contracting ATTN: Accounts Payable 25-52 Crescent Street Astoria, NY 11102

Terms	Due Date	Rep	P.O. No.
Net 45	3/1/2015	JKS	bushwick place

Quantity	Description	Rate	Amount
281.91	Date of Service 1/6/15- Bushwick Soil-Quote#109053 PA Clean Soil to TRC	39.00	10,994.49
		Subtotal	$10,994.49
		Sales Tax (0.0%)	$0.00
	Thank you for your business!	**Payments/Credits**	$0.00

Phone #	E-mail	Web Site
484-275-6903	dfox@ewmi-info.com	www.ewmi.com

Balance Due **$10,994.49**

For your convenience, we accept Visa, Mastercard and American Express

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

RAPID RESPONSE INC.

EWMI

DAILY RECORD

Project #: 109053 Date: 1/6/2015 Day: _____
Customer: Dynatec Customer Contact: _____
Job Location: 224 Boerum St Brooklyn, NY Customer Phone: _____

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Ryan Romeo	PM	0430	0700	1230	1430	10
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D _ D _ C _ B _

EQUIPMENT	QTY
T-163	
HP Laptop	

Paperwork left on-site	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

Arrived on site at 6:30am
Met with Mehmet Yanger (Dynatec) and engineer from Hydrotech
A large stockpile of material from Grid #2 was staged on site
All material in stockpile was screened
First round of trucks (5 total) arrived at 7:00am
All five trucks were loaded from Grid #2 stockpile and sent to TRC
Four single trucks arrived between 10:15am and 12:15pm
All four trucks were loaded from Grid #2 stockpile and sent to TRC
Left site at 12:30pm

Weather: Snow/ Cold Temperature: 20 °F
Customer Signature: _____ Representative: Ryan Romeo
Date: _____ Date: 1/6/2015

Original - Customer Copy

Total # of Loads:	9	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	281.91	Light Load Surcharge Tonnage:	207
Average Tons per Load:	31.3233333	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	1/6/2015	Mendez	29	TRC-Walnut Cut	700	710	242928	30.68	2
2	1/6/2015	Mendez	62	TRC-Walnut Cut	700	720	242929	31.03	2
3	1/6/2015	Mendez	288	TRC-Walnut Cut	700	730	242930	29.46	2
4	1/6/2015	Mendez	87	TRC-Walnut Cut	700	740	242931	28.43	2
5	1/6/2015	Mendez	91	TRC-Walnut Cut	700	750	242932	31.32	2
6	1/6/2015	Mendez	30	TRC-Walnut Cut	1015	1025	242933	33.79	2
7	1/6/2015	Mendez	83	TRC-Walnut Cut	1015	1035	242934	33.97	2
8	1/6/2015	Mendez	100	TRC-Walnut Cut	1145	1155	242935	30.83	2
9	1/6/2015	Mendez	31	TRC-Walnut Cut	1200	1210	242936	32.40	2
10									

Transportation Charter / Manifest

Generator:

1

Authorized By (print) PAUL MILANESI

Authorized By (title) ENVIRONMENTAL CONSULTANT

Authorized By (sig) Paul Milanesi

7:00 AM 1/6/15

Transporter:

Mendez #29

2

Driven By JOHN W RIVERA R

Truck/Trailer Plate 24 AP-256 H

Driver Signature JOHN RIVERA.

01-06-15

Manifest Number 242928

IMPACT

Material/Note(s):

Grids

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 61360 GROSS WEIGHT 89760

NET LOSS 3065 TARE WEIGHT 28400

TICKET NUMBER 936

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:

3

Date/Time 1/6/15 11:07

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel

Driven By (sig) JOHN RIVERA.

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number:

Ticket Number: 00936

242,928 936

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

89760 lb
28400 lb
61360 lb

NET (Tons):

30.680 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/6/15	**11:06 am**	**11:07 am**

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDE

Driver Name and Signature (conditional):

JOHN RIVERA.

Truck Plate Number:
AP256H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator: [illegible]
[illegible] 1st
New York, NY 10022

S.I.: [illegible]
Brooklyn, NY 11209
[illegible]

[illegible]

1

Authorized By (print) PAUL MILANESI

Authorized By (title) ENVIRONMENTAL CONSULTANT

Authorized By (sig)

[illegible] 1/6/15

Transporter:

Mendez
#63

2

Driven By

Truck/Trailer Plate AP 865 P

Driver Signature

Material/Note(s): [illegible] PENNSYLVANIA
MANAGEMENT OF FILL PORTION

GRADE

Manifest Number 242929

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62660 GROSS WEIGHT 89260

NET TONS 31.03 TARE WEIGHT 27200

TICKET NUMBER 435

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:
[illegible] (TRC)
TRC - [illegible]
2777 Dutewool Rd
[illegible], PA 19033

3

Date/Time 1/6/15 11:02

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel

Driven By (sig)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number:

Ticket Number: 00935

242,929 935

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA Clean fill

NOTES

WEIGHT

GROSS/TARE/NET (lbs)

89260 lb
27200 lb
62060 lb

NET (Tons):

31.030 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/6/15	11:02 am	11:02 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDE

Driver Name and Signature (conditional):

Truck Plate Number:
AP865P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

ansportation Charter / Manifest

Generator:
[illegible]
[illegible] Ave, Ste 160
New York, NY 10022

Site: 828 Grand Ave
Brooklyn, NY 11206
Bldg: [illegible]

Job #[illegible]

Authorized By (print) PAUL MILANESI

Authorized By (title) ENVIRONMENTAL CONSULTANT

Authorized By (sig)

TOCAM 1/6/15

Transporter:

Mendez
#248

2

Driven By Carlos Vergara

Truck/Trailer Plate 288 AN3707

Driver Signature

01/06/15

Material/Note(s): [illegible]
Management of Fill Pile
Grid #8

Manifest Number 242930

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 58970 GROSS WEIGHT 67300

NET TONS 2946 TARE WEIGHT 38380

TICKET NUMBER 935

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:
[illegible] Recycling Corp. (TRC)
TRC - [illegible]
[illegible] Rd.
[illegible], PA 18039

3

Date/Time 1/6/15 11:18

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number:

Ticket Number: 00938

242,930 938

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

89300 lb
30380 lb
58920 lb

NET (Tons):

29.460 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/6/15	11:17 am	11:17 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDE

Driver Name and Signature (conditional):

Truck/Plate Number:

AN370M

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

[redacted]

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number:

Ticket Number: 00939

242,931 939

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA Clean fill

NOTES

WEIGHT

GROSS/TARE/NET (lbs)

84360 lb
27500 lb
56860 lb

NET (Tons):

28.430 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/6/15	11:22 am	11:22 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #: MENDE

Driver Name and Signature (conditional): Jose Castro

Truck Number: AM7199

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

1

Authorized By (print) PAUL MILANESI

Authorized By (title) ENVIRONMENTAL CONSULTANT

Authorized By (sig)

1/6/15

Transporter:

2

Driven By

Truck/Trailer Plate "91"

Driver Signature

Material/Note(s): MANAGEMENT OF FILL POINT

Manifest Number 242932

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62640 GROSS WEIGHT 90710

NET TONS 31.32 TARE WEIGHT 28100

TICKET NUMBER 937

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:

TRC - YONKERS

3777 DOUGLAS RD.

DANVILLE, PA 18038

3

Date/Time 1/6/15 11:10

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel

Driven By (sig)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number:

Ticket Number: 00937

242,932 937

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

90740 lb
28100 lb
62640 lb

NET (Tons):

31.320 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/6/15	11:09 am	11:10 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDE

Driver Name and Signature (conditional):

Truck Plate Number:
AN556Y

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator: [illegible]
[illegible] Ave, Suite 15B
New York, NY 10022

Site: 80 Reminick Rd.
Brooklyn, NY 11205
Block 3073, Lot 9

Job #109

1

Authorized By (print) PAUL MILANESI

Authorized By (title) Environmental Consultant

Authorized By (sig) Paul Milanesi
1/6/15

Transporter:

Mendez
#30

2

Driven By Carlos Guerrero

Truck/Trailer Plate AP-304X

Driver Signature Carlos G

Material/Note(s): [illegible]
MANAGEMENT OF FILL PROJECT

Grids

Manifest Number 242933

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 6880 GROSS WEIGHT 94080

NET TONS 53.79 TARE WEIGHT 76500

TICKET NUMBER 9140

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mike

Receiving Facility: [illegible]
TRC - WMI [illegible]
5777 Chestnut Rd.
Chalfont, PA 18938

3

Date/Time 1/6/15 1:00

By signing this manifest the Hauler accepts that s/ is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number

Ticket Number: 00940

242,933 940

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA Clean fill

NOTES

WEIGHT

GROSS/TARE/NET (lbs)

94080 lb
26500 lb
67580 lb

NET (Tons):

33.790 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/6/15	12:59 pm	1:00 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDE

Driver Name and Signature (conditional):

Truck Plate Number:

AP304X

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

[illegible]
[illegible] 168
New York, NY 10023

[illegible]
Brooklyn, NY 11206
[illegible]

Job # [illegible]

1

Authorized By (print) PAUL MILANESI

Authorized By (title) Environmental Consultant

Authorized By (sig) [signature]

1/6/15

Transporter:

Mendez #83

2

Driven By CARLOS TINITANA

Truck/Trailer Plate AL337N

Driver Signature [signature]

Material/Note(s): [illegible] IMPACT [illegible] PENNSYLVANIA
MANAGEMENT OF THE FORCE

Grid #2

Manifest Number 242934

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 67940 GROSS WEIGHT 96540

NET TONS 33.97 TARE WEIGHT 28600

TICKET NUMBER 941

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyler

Receiving Facility:

TRUE BIOSOLVE [illegible]
TRC - [illegible]
[illegible] Diamond Rd.
[illegible], PA 18055

3

Date/Time 1/6/15 1:17

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel

Driven By (sig) [signature]

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number 242,934

Ticket Number 00941
941

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
96540 lb
28600 lb
67940 lb

NET (Tons):
33.970 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

	Tare Time	Gross Time
Date and Time In and Out: 1/6/15	1:16 pm	1:17 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

MENDE
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AL337N
Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator: [illegible]
[illegible] STREET, SUITE [illegible]
[illegible], NY 10022

[illegible] STREET
[illegible], NY 11206
[illegible] 30/3, Lot 87

Job # 8100

1

Authorized By (print) PAUL MILANESI

Authorized By (title) Environmental Consultant

Authorized By (sig) [signature]

1/6/15

Transporter:

Mendez
100

2

Driven By Jonier I Chavo

Truck/Trailer Plate Mendez #100 AP638R

Driver Signature [signature]

Material/Note(s): COMPLIANT WITH PENNSYLVANIA MANAGEMENT OF FILL POLICY

Grid # 2

Manifest Number 242935

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 6660 GROSS WEIGHT 90140

NET LOSS 35 85 TARE WEIGHT 28450

TICKET NUMBER 447

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Receiving Facility:
[illegible] (TTC)
[illegible]
[illegible] Drive
[illegible], PA 15035

3

Date/time 1/6/15 2:14

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: 242,935

Ticket Number: 00947
947

SCALE TICKET

Part 1 — GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 — MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES

WEIGHT

GROSS/TARE/NET (lbs)
90140 lb
28480 lb
61660 lb

NET (Tons):
30.830 tn

Part 3 — WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out	Tare Time	Gross Time
1/6/15	2:16 pm	2:16 pm

Scale Operator Notes:

Part 4 — TRANSPORTER DATA AND CERTIFICATION

MENDE
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):
Tonio Idono

AP638R
Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
[illegible]
[illegible] Ave, Suite 18B
New York, NY 10022

Site: 87 Bowers Place
Brooklyn, NY 11206
Block 3973, Lot 97

Job # 8100

1

Authorized By (print) PAUL MILANESI

Authorized By (title) Environmental Consultant

Authorized By (sig)

1/6/15

Transporter:

Mendez
#31

2

Driven By OSCAR SOLANO

Truck/Trailer Plate AP 305X

Driver Signature

Material/Note(s):
MATERIAL COMPLIANT WITH PERMIT [illegible]
MANAGEMENT OF FILL POLICY.

Grid #2

Manifest Number 242936

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 64800 GROSS WEIGHT 91300

NET TONS 32.4 TARE WEIGHT 26500

TICKET NUMBER 948

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Tyle

Receiving Facility:
Total Recycling Corp. (TRC)
TRC - Waste Site
2777 Durkee Rd.
Ravenswood, PA 19038

3

Date/Time 1/6/15 2:19

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL

TRC WALNUT CUT – LOT 2
3777 DOGWOOD ROAD
Danielsville, Pennsylvania 18038

Manifest Number: 242,936

Ticket Number: 00948
948

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):
83 Bushwick Place
83 Bushwick Place
BROOKLYN NY 11206

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA Clean fill

NOTES

WEIGHT

GROSS/TARE/NET (lbs)
91300 lb
26500 lb
64800 lb

NET (Tons):
32.400 tn

Part 3 WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

	Tare Time	Gross Time
Date and Time In and Out: 1/6/15	2:18 pm	2:19 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

MENDE
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):
Oscar Solon

AP305X
Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the facility and as directed by Impact Environmental staff

ORIGINAL

Total # of Loads:	2	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	50.87	Light Load Surcharge Tonnage:	0
Average Tons per Load:	25.435	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons
1	12/15/2014	Cuenca	7	Palmerton			251977	25.56
2	12/15/2014	Cuenca	43	Palmerton			251978	25.31
3								
4								

Transportation Charter / Manifest

Generator: ~~Generator: Ery Tenant LLC~~
c/o The Related Companies
60 Columbus Circle
New York, NY 10023
212-801-1122

Site: Hudson Yards – Terra Firma Parcel
501 West 30th Street
New York, NY 10001
Block 702 Lot 50 and P/O Lot 1
Job # 5127

1

Authorized By (print): Kevin Cullen (Langan)

Authorized By (title): Authorized agent on behalf of ERY Tenant LLC

Authorized By (sig): Kevin Cullen

Time: 10:50 Date: 12/15/2014

Transporter:
Cuenca Coronel
74 Academy St
Belleville N.J

2

Driven By: Henry Pinzon

Truck/Trailer Plate: 17- AQ721K

Driver Signature:

Time: _____ Date: _____

Material/Note(s):
stockpile #7
(mixed crisson spoils)

Manifest Number: 251977

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT _____ GROSS WEIGHT 74860
NET TONS 25.56 TARE WEIGHT 28740
TICKET NUMBER 1031692

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print):

Date/Time: 12.15.14 1:39pm

Receiving Facility:
Former New Jersey Zinc-West Plant
1120 Mauch Chunk Road
Palmerton, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig):

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 251,977 1031692

Ticket Number: 31692

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:
512
ERY TENANT LLC
60 COLUMBUS CIRCLE
NY, NY 10023

Source of Material (Description and Address):
HUDSON YARDS
501 W 30th ST
NY NY 10001

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PARKED FILL

NOTES:

GROSS/TARE/NET (lbs)	NET (Tons):
79860 lb	
28740 lb	25.560 tn
51120 lb	

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: GIS

	Tare Time	Gross Time
Date and Time In/Out: 12/15/14	1:38 pm	1:39 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
CUENCA

Driver Name and Signature (conditional):
HENRY

Truck Plate Number:
AP721K

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: FRY TENANT LLC
C/O THE RELATED COMPANIES
60 COLUMBUS CIRCLE
NEW YORK, NY 10023
212-801-1122

SITE: HUDSON YARDS – TERRA FIRMA PARCEL
501 WEST 30TH STREET
NEW YORK, NY 10001
BLOCK 702 LOT 50 AND P/O LOT 1
JOB # 5127

1

Authorized By (print) Kevin Cullen (Langan)

Authorized By (title) Authorized agent on behalf of FRY Tenant LLC

Authorized By (sig) Kevin Cullen

TIME: 10:50 DATE: 12/15/2014

Transporter:
CUENCA CORONEL
#43

2

Driven By Gonzo

Truck/Trailer Plate 43 AP577P

Driver Signature Gonzo

TIME: 10:51 DATE: 12-15-14

Material/Note(s):
stock pile #7
(mixed caisson spoils)

Manifest Number 251978

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT _____ GROSS WEIGHT 79040
NET TONS 25.31 TARE WEIGHT 28420
TICKET NUMBER 1031693

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:
FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 12.15.14 1:43

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Gonzo

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 251,978 1031693

Ticket Number: 31693

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:
5127
ERY TENANT LLC
60 COLUMBUS CIRCLE
NY, NY 10023

Source of Material (Description and Address):
HUDSON YARDS
501 W 30th ST
NY NY 10001

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)	NET (Tons):
79040 lb	25.310 tn
28420 lb	
50620 lb	

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CJS

	Tare Time	Gross Time
Date and Time In/Out: 12/15/14	1:41 pm	1:42 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
CUENCA

Driver Name and Signature (conditional):

Truck Plate Number:
AP577P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Environmental Waste Minimization, Inc.

EIN#: 23-2827092
14 Brick Kiln Court
Northampton, PA 18067

Invoice

Date	Invoice #
1/22/2015	203033

Bill To
Dynatec Contracting ATTN: Accounts Payable 25-52 Crescent Street Astoria, NY 11102

Terms	Due Date	Rep	P.O. No.
Net 45	3/8/2015	JKS	Bushwick Place

Quantity	Description	Rate	Amount
	Date of Service 01/20/2015, Quote# 109053		
330.04	PA Regulated Soil to Palmerton	44.50	14,686.78
1	Total Lead Analysis	325.00	325.00

Subtotal	$15,011.78
Sales Tax (0.0%)	$0.00
Payments/Credits	$0.00
Balance Due	**$15,011.78**

Thank you for your business!

Phone #	E-mail	Web Site
484-275-6903	dfox@ewmi-info.com	www.ewmi.com

For your convenience, we accept Visa, Mastercard and American Express

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 109053 Date: 01/14/15 Day:
Customer: Dynatech Customer Contact: Mehmet Yanger
Job Location: 224 Boerun Street. Brooklyn NY Customer Phone: 917-412-2077

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Nicholas Acker	TD	0530	0730	0900	1330	8
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**
Test America						

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D _ D _ C _ B
1	16 oz sample jar
1	Bag Ice

EQUIPMENT	QTY	EQUIPMENT	QTY	DISPOSAL /
T-162	1			
PID Meter	1			
Laptop	1			
Cooler	1			

JOB DESCRIPTION / REMARKS

Daily Activities

Todays activities include taking a 5-point composite sample of a screened stockpile of soil. Soil originates from grid 1. I arrive on site at 0730 hours and meet with on site excavator operator. I talk to Mehmet Yanger (Dynatech) to discuss todays plans. I wait for him to come on site (0830) to take sample.

*see attached photo for sample locations, measurements, etc..

I drop sample off at Test America in Edison NJ. Total Lead is being run per Ian Gerencser (EWMI) and we will expect results in 24 hours.

Soil Activities

Soil consists of sand. PID hits are negligible.

Weather: sunny, cold. Temperature: 30 °F

Customer Signature: Representative: Nicholas Acker

Date: Date: 01/14/15

Original - Customer Copy

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 109053 Date: 01/20/15 Day: _____
Customer: Dynatech Customer Contact: Mehmet Yanger
Job Location: 224 Boerun Street. Brooklyn NY Customer Phone: 917-412-2077

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Nicholas Acker	TD	0430	0630	1415	1700	12.5
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**
Mendez			0700	1400		

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D _ D _ C _ B

EQUIPMENT	QTY
T-162	1
PID Meter	1
Laptop	1

EQUIPMENT	QTY

DISPOSAL /
12 loads Palmerton

JOB DESCRIPTION / REMARKS

Daily Activities

I arrive on site at 0630 and meet with Mehmet Yanger (Dynatech). Today we will be shipping an estimated 12 loads of soil meeting PA Regulated Fill to Palmerton Pa for offsite disposal. Mendez is providing 6 tri-axle dump trucks for transportation. They are all expected to make 2 rounds.

The on site environmental engineer (Hydrotech) is not on site. Mehmet is signing on behalf to accept responsibility as generator of this material.

(7) mendez trucks show up in the morning. Because of the extra trucks, only (5) are needed to return for a second load to satisfy Dynatechs order. I relay this information to Juan Munoz (Mendez).

Trucks return for a second round at 1300 hours. After the second round is loaded an extra truck shows up to the site. Because there is no more material and this truck was not ordered for today he is sent home.

There are no trucks scheduled for tomorrow.

Trucking Activities

12 loads to Palmerton

Soil Activities

Soil consists of sand from grid 1. PID hits are negligible.

Weather: sunny, cold. Temperature: 30 °F

Customer Signature: _____ Representative: Nicholas Acker

Date: _____ Date: 01/20/15

Original - Customer Copy

Total # of Loads:	12	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	330.04	Light Load Surcharge Tonnage:	276
Average Tons per Load:	27.5033333	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	1/20/2015	Mendez	101	Palmerton	0700	0708	260405	25.35	1
2	1/20/2015	Mendez	97	Palmerton	0700	0715	260406	26.65	1
3	1/20/2015	Mendez	55	Palmerton	0700	0720	260407	27.38	1
4	1/20/2015	Mendez	21	Palmerton	0700	0725	260408	25.79	1
5	1/20/2015	Mendez	98	Palmerton	0700	0730	260409	27.62	1
6	1/20/2015	Mendez	45	Palmerton	0700	0735	260410	27.82	1
7	1/20/2015	Mendez	61	Palmerton	0810	0820	260411	27.59	1
8	1/20/2015	Mendez	55	Palmerton	1240	1250	260412	29.24	1
9	1/20/2015	Mendez	97	Palmerton	1250	1300	260413	27.42	1
10	1/20/2015	Mendez	101	Palmerton	1300	1310	260414	31.62	1
11	1/20/2015	Mendez	21	Palmerton	1330	1345	260415	24.83	1
12	1/20/2015	Mendez	98	Palmerton	1345	1400	260416	28.73	1
13									
14									
15									

Transportation Charter / Manifest

Generator:
GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Mehmet Yaniger

Authorized By (title) PM

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Mendez
#101

2

Driven By E Mata

Truck/Trailer Plate AP639R

Driver Signature

TIME: 7:00 DATE: 1/20/15

Manifest Number 260405

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 1

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 50700 GROSS WEIGHT 78960

NET TONS 2535 TARE WEIGHT 28260

TICKET NUMBER 1033202

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jose M

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 1/20/15 10:08am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~260,405~~

Ticket Number: 33202 ~~1033202~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

78960 lb
28260 lb
50700 lb

NET (Tons):

25.350 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/20/15	10:08 am	10:08 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP639R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Mehmet Yanger

Authorized By (title) PM

Authorized By (sig)

TIME:_____ DATE:_____

Transporter: Mendez 97

2

Driven By

Truck/Trailer Plate APM91H

Driver Signature

TIME:_____ DATE:_____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid

Manifest Number 260406

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 53300 GROSS WEIGHT 84700

NET TONS 2665 TARE WEIGHT 31400

TICKET NUMBER 1033203

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jose A

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 1/20/15 10:12AM

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 260,406

Ticket Number: 33203 1033203

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

84700 lb
31400 lb
53300 lb

NET (Tons):

26.650 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/20/15	10:11 am	10:11 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP791H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Mehmet Yaser

Authorized By (title) PM

Authorized By (sig)

TIME: _____ DATE: 1/20/15

Transporter:

MENDEZ #55
BELLEVILLE, NJ

2

Driven By CARLOS CORREA

Truck/Trailer Plate #55 AS580B

Driver Signature

TIME: 7:20 DATE: 1/20/15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid1

Manifest Number 260407

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 54760 GROSS WEIGHT 83760

NET TONS 2738 TARE WEIGHT 2900

TICKET NUMBER 1033201

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 1/20/15 10:06am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~260,407~~

Ticket Number: 33201 ~~1033201~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

83760 lb
29000 lb
54760 lb

NET (Tons):

27.380 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/20/15	10:05 am	10:05 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Carlos Correa

Truck Plate Number:

AS520B

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Mehmet Yanger

Authorized By (title) PM

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

Mendez Trucking #21

2

Driven By William Lopez

Truck/Trailer Plate AN694RN

Driver Signature

TIME: 7:30 DATE: 1-20-15

Manifest Number 260408

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grd 1

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 51580 GROSS WEIGHT 80400

NET TONS 2579 TARE WEIGHT 28820

TICKET NUMBER 1033205

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 1/20/15 10:35 am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 260,408

Ticket Number: 33205 ~~1033205~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

80400 lb
28820 lb
51580 lb

NET (Tons):

25.790 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/20/15	10:34 am	10:34 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AN694R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Mehmet Yanger

Authorized By (title) PM

Authorized By (sig)

TIME:_____ DATE: 1-20-15

Transporter:

mendez #98

2

Driven By LUIZ ABREU

Truck/Trailer Plate AP 7924

Driver Signature

TIME:_____ DATE:_____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grd 1

Manifest Number 260409

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 55240 GROSS WEIGHT 86140

NET TONS 2762 TARE WEIGHT 30900

TICKET NUMBER 1033208

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 1/20/15 10:50 am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 260,409

Ticket Number: 33208 1033208

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

86140 lb
30900 lb
55240 lb

NET (Tons):

27.620 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/20/15	10:49 am	10:50 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP792H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Michael Langer

Authorized By (title) PM

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:
Mendez
Truck
45

2

Driven By Jorge Acevedo

Truck/Trailer Plate AS 530

Driver Signature

TIME:_____ DATE: 1-20-15

Material/Note(s):
MATERIAL MEETING PA REGULATED FILL

Grid 1

Manifest Number 260410

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 55640 GROSS WEIGHT 83960
NET TONS 2782 TARE WEIGHT 28320
TICKET NUMBER 1033210

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:
FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 1/20/15 10:56aM

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 260,410

Ticket Number: 33210 1033210

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

83960 lb
28320 lb
55640 lb

NET (Tons):

27.820 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/20/15	10:55 am	10:56 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AS531D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Mehmet Yanser

Authorized By (title) PM

Authorized By (sig)

TIME: 0810 DATE: 1/20/15

Transporter:
MENDEZ
Belleville NJ

2

Driven By Alex Berwood

Truck/Trailer Plate 061 AP864P

Driver Signature

TIME: DATE:

Material/Note(s):
MATERIAL MEETING PA REGULATED FILL

Grid 1

Manifest Number 260411

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 55180 GROSS WEIGHT 83720
NET TONS 27.59 TARE WEIGHT 28540
TICKET NUMBER 1033239

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 1-20-15

Receiving Facility:
FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Alex Berwood

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 260,411

Ticket Number: 1033239 33239

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

83720 lb
28540 lb
55180 lb

NET (Tons):

27.590 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
1/20/15	3:50 pm	3:50 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP864P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Silvestre Castillo

Authorized By (title) PM

Authorized By (sig) Silvestre Castillo

TIME: _____ DATE: 1-20-15

Transporter:
MENDEZ #55
BELLEVILLE, NJ

2

Driven By CARLOS CORREA

Truck/Trailer Plate #55 AS520B

Driver Signature

TIME: 1:00PM DATE: 1-20-15

Manifest Number 260412

Material/Note(s):
MATERIAL MEETING PA REGULATED FILL

Grd 1

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 58480 GROSS WEIGHT 87480
NET TONS 29.24 TARE WEIGHT 29000
TICKET NUMBER 1033241

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:
FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 1/20/15 3:56pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 260.412

Ticket Number: 1033241 33241

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

87480 lb
29000 lb
58480 lb

NET (Tons):

29.240 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
1/20/15	3:56 pm	3:56 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Carlos Correa / CSC

Truck Plate Number:

AS520B

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Silvestre Castillo

Authorized By (title) PM

Authorized By (sig) Silvestre Castillo

TIME:_____ DATE:_____

Transporter:
Gonzalez
97

2

Driven By Todd

Truck/Trailer Plate AP791H

Driver Signature

TIME:_____ DATE:_____

Manifest Number 260413

Material/Note(s):
MATERIAL MEETING PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 54840 GROSS WEIGHT 86240
NET TONS 27.42 TARE WEIGHT 31400
TICKET NUMBER 7033243

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:
FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 1/20/15 4:04pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 260.413

Ticket Number: 33244
1033244

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

86240 lb
31400 lb
54840 lb

NET (Tons):

27.420 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
1/20/15	4:04 pm	4:04 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP791H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Silvestre Castillo

Authorized By (title) PM

Authorized By (sig) Silvestre Castillo

TIME: _____ DATE: 1/20/15

Transporter:

Mendez
#101

2

Driven By [signature]

Truck/Trailer Plate AP639R

Driver Signature [signature]

TIME: 1:00 DATE: 1/20/15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Manifest Number 260414

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 63240 GROSS WEIGHT 91500

NET TONS 31.62 TARE WEIGHT 28260

TICKET NUMBER 1033245

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 1/20/15 4:08pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 260,414

Ticket Number: 1033245 33245

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

91500 lb
28260 lb
63240 lb

NET (Tons):

31.620 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
1/20/15	4:07 pm	4:07 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP639R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Silvestre Castillo

Authorized By (title) PM

Authorized By (sig) Silvestre Castillo

TIME: _____ DATE: 1/20/15

Transporter:
Mendez Trucking
#21

2

Driven By William Lopez

Truck/Trailer Plate AN694 12 NY

Driver Signature

TIME: 1:20 DATE: 1-20-15

Manifest Number 260415

IMPACT ENVIRONMENTAL

Material/Note(s):
MATERIAL MEETING PA REGULATED FILL

Crid

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 49660 GROSS WEIGHT 78480
NET TONS 24.83 TARE WEIGHT 28820
TICKET NUMBER 1033249

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:
FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 1/20/15 4:30pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 260,415

Ticket Number: 1033249 33249

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

78480 lb
28820 lb
49660 lb

NET (Tons):

24.830 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
1/20/15	4:29 pm	4:29 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AN694R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator: SLATE PROPERTY GROUP
850 THIRD AVE., SUITE 16B
NEW YORK, NY 10022

SITE: 83 BUSHWICK PLACE
BROOKLYN, NY 11206
BLOCK 3073, LOT 97

JOB # 8100

1

Authorized By (print) Silvestre Castillo

Authorized By (title) PM

Authorized By (sig) Silvestre Castillo

TIME:_____ DATE: 01/20/15

Transporter:

Mendez #98

2

Driven By LUIZ ABREU

Truck/Trailer Plate AP 7924

Driver Signature

TIME:_____ DATE:_____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Manifest Number 260416

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 57460 GROSS WEIGHT 88360

NET TONS 28.73 TARE WEIGHT 30900

TICKET NUMBER 1033252

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) M K

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 1/20/15 438

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 260.416

Ticket Number: 1033252 33252

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

8100
Slate Property Group
850 Third Ave., Suite 16B
New York, NY 10022

Source of Material (Description and Address):

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

88360 lb
30900 lb
57460 lb

NET (Tons):

28.730 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 1/20/15

Tare Time	Gross Time
4:37 pm	4:38 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP792H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

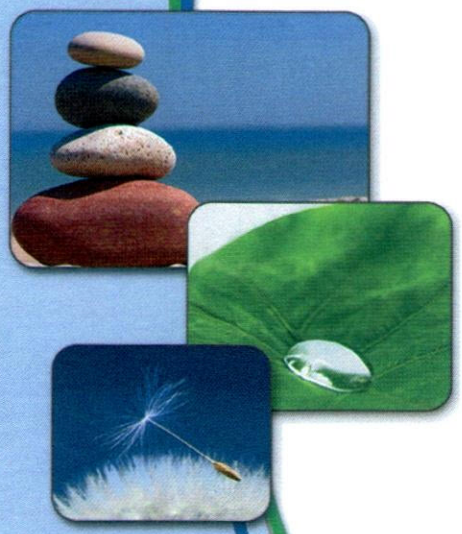
TestAmerica Job ID: 460-89060-1
Client Project/Site: 83 Bushwick Place

For:
Environmental Waste Minimization, Inc
14 Brick Kiln Court
North Hampton, Pennsylvania 18067

Attn: Ian Gerencser

Authorized for release by:
1/15/2015 3:54:35 PM

Jannel Franklin, Project Manager I
(732)593-2551
jannel.franklin@testamericainc.com



LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Table of Contents 2
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Sample Summary

Client: Environmental Waste Minimization, Inc
Project/Site: 83 Bushwick Place

TestAmerica Job ID: 460-89060-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-89060-1	Grid#1-North Stockpile	Solid	01/14/15 09:00	01/14/15 10:30

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-89060-1

Laboratory: TestAmerica Edison

Narrative

CASE NARRATIVE

Client: Environmental Waste Minimization, Inc

Project: 83 Bushwick Place

Report Number: 460-89060-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The sample was received on 1/14/2015 10:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

METALS

Sample Grid#1-North Stockpile (460-89060-1) was analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared and analyzed on 01/14/2015.

Sample Grid#1-North Stockpile (460-89060-1)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Metals analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Sample Grid#1-North Stockpile (460-89060-1) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 01/14/2015.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Client Sample Results

Client: Environmental Waste Minimization, Inc
Project/Site: 83 Bushwick Place

TestAmerica Job ID: 460-89060-1

Client Sample ID: Grid#1-North Stockpile

Date Collected: 01/14/15 09:00
Date Received: 01/14/15 10:30

Lab Sample ID: 460-89060-1

Matrix: Solid
Percent Solids: 82.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1040		2.2	0.89	mg/Kg	☼	01/14/15 11:16	01/14/15 14:46	4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18.0		1.0	1.0	%			01/14/15 11:39	1
Percent Solids	82.0		1.0	1.0	%			01/14/15 11:39	1

Certification Summary

Client: Environmental Waste Minimization, Inc
Project/Site: 83 Bushwick Place

TestAmerica Job ID: 460-89060-1

Laboratory: TestAmerica Edison

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0200	09-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A	12-31-15
New Jersey	NELAP	2	12028	06-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

New York	NELAP	2	11452	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Pennsylvania	NELAP	3	68-00522	02-28-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Environmental Waste Minimization, Inc
Project/Site: 83 Bushwick Place

TestAmerica Job ID: 460-89060-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

460-89060 Chain of Custody

n Road
sey 08817
9-3900 Fax: (732) 549-3679

1/15/2015

CHAIN OF CUSTODY / ANALYS

Page 1 of 1

Name (for report and invoice) IAN GERTENCSER	Samplers Name (Printed) NICK ACKER	Site/Project Identification 83 Bushwick Place
Company ENVIRONMENTAL WASTE MINIMIZATION, INC.	P. O. # 109053	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program:
Address 1Y BRICK KILN CT	Analysis Turnaround Time: Standard ☐	
City NORTHAMPTON State PA	Rush Charges Authorized For: 2 Week ☐	
Phone 4842756900 Fax 4842756970	1 Week ☐ Other ☒ 1 Day TAT	

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: 89060

Sample Identification	Date	Time	Matrix	No. of Cont.	Total Lead	Sample Numbers
GRID#1- North Stockpile	1/14/15	0900	S	1		1

1-Day RUSH

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil: 1
Water:

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
[signature]	EWM	1/14/15 1030	1) Alyssa Cuiny	TA Ed 1-14-15 1030
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0814)

NO CS / IR #5 / 1.4/3.4°C

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 89060

Number of Coolers: 1 IR Gun # 5

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.4 °C	3.4 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: AC Date: 1-14-15

EDS-WI-038, Rev 4, 06/09/2014

Login Sample Receipt Checklist

Client: Environmental Waste Minimization, Inc

Job Number: 460-89060-1

Login Number: 89060
List Number: 1
Creator: Elvie, Cloide

List Source: TestAmerica Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4°C IR#5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Environmental Waste Minimization, Inc.

EIN#: 23-2827092
14 Brick Kiln Court
Northampton, PA 18067

Invoice

Date	Invoice #
2/18/2015	203173

Bill To
Dynatec Contracting ATTN: Accounts Payable 25-52 Crescent Street Astoria, NY 11102

83 Bushwick Pl

Terms	Due Date	Rep	P.O. No.
Net 45	4/4/2015	JKS	Bushwick Place

Quantity	Description	Rate	Amount
632.92	Date of Service 2/13/15, Quote# 109053 NJ Res Soil to Ppark	27.50	17,405.30
		Subtotal	$17,405.30
		Sales Tax (0.0%)	$0.00
	Thank you for your business!	**Payments/Credits**	$0.00
		Balance Due	**$17,405.30**

Phone #	E-mail	Web Site
484-275-6903	dfox@ewmi-info.com	www.ewmi.com

For your convenience, we accept Visa, Mastercard and American Express

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 109053 Date: 2/12/2015 Day:
Customer: Dynatec Customer Contact:
Job Location: 224 Boerum St Brooklyn, NY Customer Phone:

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Ryan Romeo	PM	0500	0700	1300	1500	10
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D _ D _ C _ B

EQUIPMENT	QTY
T-163	
HP Laptop	

Paperwork left on-site	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

Arrived on site at 6:30am
Met with Mehmet Yanger (Dynatec) and engineer from Hydrotech
A large stockpile of material from Grid #4 (8'-12') was staged on site
First round of trucks (6 total) arrived at 7:00am
The sixth truck didn't arrive until 9:30am
All six trucks were loaded from Grid #4 (8'-12') stockpile and sent to Prospect Park
Second round of trucks (6 total) arrived between 11:00am and 12:35pm
All six trucks were loaded from Grid #4 (8'-12') stockpile and sent to Prospect Park
Left site at 1:00pm

Weather: Cloudy/ Cold Temperature: 25 °F
Customer Signature: Representative: Ryan Romeo
Date: Date: 2/12/2015

Original - Customer Copy

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

RAPID RESPONSE INC.

EWMI

DAILY RECORD

Project #: 109053 Date: February 13, 2015 Day:

Customer: Dynatec Contracting Inc. Customer Contact: Mehmet Yanger

Job Location: 221 Boerum St. Brooklyn, NY Customer Phone: 718-721-6022

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Ryan Shelly	PM	430	630	830	1130	7
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D _ D _ C _ B

EQUIPMENT	QTY
EWMI Vehicle T-117	1

Paperwork left on-site	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

Mobilization to site.
Met with Mehmet from Dynatec to discuss the day's activities which included load out of soil.
5 trucks were scheduled for turns beginning at 700. The breakdown was to be 5x2 to PPark.
10 trucks were on site at 700hrs. Breakdown was changed to 10x1.
Material that was being loaded was from grid WC-4 8'-12' bgs.

Discussed plans for tomorrow. No trucks are needed.

Today:
10 Loads of soil were sent to PPark.

Total of 10 Loads Today.
Truck Log attached.

Weather: Clear Temperature: 10 °F

Customer Signature: Representative: Ryan Shelly

Date: Date: February 13, 2015

Original - Customer Copy

Total # of Loads:	13	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	350.54	Light Load Surcharge Tonnage:	0
Average Tons per Load:	26.9646154	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	2/12/2015	Mendez	83	PPark	700	710	63057	31.88	4 (8'-12')
2	2/12/2015	Mendez	420	PPark	700	710	63058	27.56	4 (8'-12')
3	2/12/2015	Mendez	32	PPark	720	730	63059	25.48	4 (8'-12')
4	2/12/2015	Mendez	28	PPark	720	740	63060	25.42	4 (8'-12')
5	2/12/2015	Mendez	10	PPark	720	750	63061	26.8	4 (8'-12')
6	2/12/2015	Mendez	288	PPark	930	940	63062	26.85	4 (8'-12')
7	2/12/2015	Mendez	10	PPark	1100	1110	63063	26.41	4 (8'-12')
8	2/12/2015	Mendez	83	PPark	1100	1120	63064	28.65	4 (8'-12')
9	2/12/2015	Mendez	420	PPark	1130	1140	63065	24.53	4 (8'-12')
10	2/12/2015	Mendez	32	PPark	1130	1150	63066	26.33	4 (8'-12')
11	2/12/2015	Mendez	28	PPark	1150	1200	63067	27.21	4 (8'-12')
12	2/12/2015	Mendez	288	PPark	1235	1245	63068	30.16	4 (8'-12')
13	2/12/2015	Mendez	10	PPark			63069	23.26	4 (8'-12')

Weight Ticket

Ticket No. 35897
Issued On 02.12.2015 09:05 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #83	**Gross**	2/12/2015 9:05:46 AM
Plate No.	AL337N	**Tare**	2/12/2015 8:58:03 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	93,480	29,720	63,760	31.88	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63057

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63057 15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0268	Est. 22 tons
		Grid: WC4 (8.12)		
				93480
				29720
				31.88

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Longer

DATE 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ #83

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AL337N	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE CARLOS TINTANA

PRINT DRIVER'S NAME

DATE 2/12/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave, Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/12/15

Weight Ticket

Ticket No. 35899
Issued On 02.12.2015 09:12 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	Gross	2/12/2015 9:12:07 AM
Plate No.	AK185V	Tare	2/12/2015 9:03:53 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	86,300	31,180	55,120	27.56	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63058

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63058

Job/Project # 109053 #15-017.

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0268	est. 22 tons
		Grid: WC4(8/12)		
				86300
				37180.
				2756.

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Tanger

DATE 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez 420

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AK185V	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Henry Cepeda

DATE 02/12/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/12/15

Weight Ticket

Ticket No. 35904
Issued On 02.12.2015 09:44 AM

PARK
RECLAIM & FLOURISH.

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #32	**Gross**	2/12/2015 9:44:33 AM
Plate No.	AP306X	**Tare**	2/12/2015 9:30:14 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	80,240	29,280	50,960	25.48	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63059

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63059

Job/Project # 109053 #15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0268	est. 22 tons
		Grid: WC.4 (8-12)		
			80240.	
			29280	
			25.48	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yanar

DATE 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING	BELLVILLE	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 306X	NJ	32		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME EDUARDO SILVA

DATE 2/12/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/12/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63060

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0258	est. 20 tons
		Grid: WC4 (8/12)		
				40460.
				29620
				28.42

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Manyar

DATE 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDES

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN869W	NJ	28		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Russ Silva

DATE 2/12/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME Tom Mis

DATE 2/12/15

Weight Ticket

Ticket No. 35905
Issued On 02.12.2015 09:47 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ	**Gross**	2/12/2015 9:47:40 AM
Plate No.	AN550M	**Tare**	2/12/2015 9:31:31 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	83,400	29,800	53,600	26.80	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #~~05085~~ 630614

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63061 #15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0258	est. 22 tons
		Grid: WCH (8-12)		
			83400	
			24800	
			24 80	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yanger

DATE 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez 10

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
ANS50M.	NJ	862 222 6394		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Carlos Restrepo

PRINT DRIVER'S NAME

DATE 02-12-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/12/15

Weight Ticket

Ticket No. 35921
Issued On 02.12.2015 11:06 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ	**Gross**	2/12/2015 11:06:29 AM
Plate No.	AN370M	**Tare**	2/12/2015 10:54:48 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	83,940	30,240	53,700	26.85	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63062

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63062

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0258	Est. 22 tons
		Grid: WC4(8-12)		
				83940
				30240
				26.88

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yanez

DATE 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ TRUCKING

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
288	NJ	AN370M		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE 2-12-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/12/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63063

Job/Project # 109053 15.017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-6268	Lft. 22 tons
		Grid: WC4 (8-12)		
				82580
				29760
				26.41

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME Jorge m Pineda
DATE 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez #10
ADDRESS:
PHONE NO.: ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A1550 01	NJ	862-2226594		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Carlos Restrepo
PRINT DRIVER'S NAME
DATE 02-12-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO.: 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME
DATE 2/12/15

Weight Ticket

Ticket No. 35952
Issued On 02.12.2015 12:39 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #83	**Gross**	2/12/2015 12:38:59 PM
Plate No.	AL337N	**Tare**	2/12/2015 12:27:51 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	86,940	29,640	57,300	28.65	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63064

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63064

Job/Project # 109053 #16-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0258	est. 22 tons
		Cont: WL4 (8,12)		
				86940
				29640
				28.65

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME Jorge m Pineda

DATE 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ 83

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A2337N	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE CARLOS TINITANA
PRINT DRIVER'S NAME

DATE 2/12/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME

DATE 2/12/15

Weight Ticket

Ticket No. 35962
Issued On 02.12.2015 01:56 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	**Gross**	2/12/2015 1:56:29 PM
Plate No.	AK185V	**Tare**	2/12/2015 1:45:56 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	80,220	31,160	49,060	24.53	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63065

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63065

Job/Project # 109053 #15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013615-6258	est. 22 tons
		Grid: WC4 (8-12)		
			8250	
			3160	
			2453.	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME Jorge m Pineda
DATE 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez 420
ADDRESS
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
DA 185	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE
PRINT DRIVER'S NAME Eddie Ortiz
DATE 02/12/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC
ADDRESS 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME
DATE 2/12/15

Weight Ticket

Ticket No. 35959
Issued On 02.12.2015 01:42 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #32	**Gross**	2/12/2015 1:42:13 PM
Plate No.	AP306X	**Tare**	2/12/2015 1:28:57 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	81,900	29,240	52,660	26.33	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63066

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63066

Job/Project # 109053 15-017.

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0868	est. 22 tons
		Grid: WC4 (8-12)		
				81900
				29240
				26.33

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE: [signature]
PRINT NAME: Jorge m Pineda
DATE: 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ TRUCKING
ADDRESS: BELLVILLE
PHONE NO.: ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 306X	NJ	32		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE: [signature]
PRINT DRIVER'S NAME: Eduardo Silva
DATE: 2/12/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO.: 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE: [signature]
PRINT NAME: [signature]
DATE: 2/12/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63067

Job/Project # 109053 #15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0258	est. 22 tons
		Grid: W(4(8-12)		
			24140	
			29720	
			27.21	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME Jorge m Pineda
DATE 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDES		( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN869W	NJ	28		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE
PRINT DRIVER'S NAME RUBEN SILVA
DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME
DATE 2/12/15

Weight Ticket

Ticket No. 35961
Issued On 02.12.2015 01:53 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ	**Gross**	2/12/2015 1:53:09 PM
Plate No.	AN370M	**Tare**	2/12/2015 1:43:25 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	90,460	30,140	60,320	30.16	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #~~63062~~ 63068

Driver Signature

Weighmaster Signature

AN3 to m

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63068

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0268	est. 22 tons
		Grid: WC4 (8-12)		
				904 60.
				30140.
				30.14

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME Jorge m Pineda
DATE 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ
ADDRESS:
PHONE NO.: ( ) -

VEHICLE I.D. NO.: 288
STATE: NJ
BOX NUMBER-IN: AN3 to m
BOX NUMBER-OUT:
COMMENTS:

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE
PRINT DRIVER'S NAME
DATE 2-12-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO.: 973-947-4488

COMMENTS:

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME
DATE 2/12/15

Weight Ticket

Ticket No. 35982
Issued On 02.12.2015 03:10 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ	**Gross**	2/12/2015 3:10:19 PM
Plate No.	AN550M	**Tare**	2/12/2015 3:00:47 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	76,480	29,960	46,520	23.26	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63069

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63069

Job/Project # 109053 #15-017.

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0268	1st: 22 tons
		Grid: WC4 (8.12)		
			76480	
			29,960	
			23.26	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME Jorge Pineda
DATE 2/18/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez 10
ADDRESS
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN5504	NJ	862-222 6394		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Carlos Restrepo
PRINT DRIVER'S NAME
DATE 02-12-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC
ADDRESS 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME
DATE 2/12/15

Total # of Loads:	10	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	282.38	Light Load Surcharge Tonnage:	0
Average Tons per Load:	28.238	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	2/13/2015	Mendez	94	PPark	700	710	63070	29.28	WC-4 (8'-12' bgs)
2	2/13/2015	Mendez	97	PPark	700	715	63071	28.01	WC-4 (8'-12' bgs)
3	2/13/2015	Mendez	101	PPark	700	720	63072	31.03	WC-4 (8'-12' bgs)
4	2/13/2015	Mendez	11	PPark	700	725	63073	28.16	WC-4 (8'-12' bgs)
5	2/13/2015	Mendez	61	PPark	700	730	63074	26.58	WC-4 (8'-12' bgs)
6	2/13/2015	Mendez	44	PPark	700	740	63075	27.35	WC-4 (8'-12' bgs)
7	2/13/2015	Mendez	24	PPark	700	750	63076	28.32	WC-4 (8'-12' bgs)
8	2/13/2015	Mendez	1	PPark	700	755	63077	28.35	WC-4 (8'-12' bgs)
9	2/13/2015	Mendez	45	PPark	700	805	63078	26.83	WC-4 (8'-12' bgs)
10	2/13/2015	Mendez	56	PPark	700	815	63079	28.47	WC-4 (8'-12' bgs)
11									

Weight Ticket

Ticket No. 36002
Issued On 02.13.2015 08:54 AM

PARK
RECLAIM & FLOURISH

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	**Gross**	2/13/2015 8:54:01 AM
Plate No.	AP328G	**Tare**	2/13/2015 8:44:54 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	88,300	29,740	58,560	29.28	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63070

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63070

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013016-0258	est. 22 tons
		GNY: WC4(812)		
			88	300
				740.
				29.28

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Jorge Pineda

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Murder

ADDRESS 490 Union Ave Belleville NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP-3286	NJ	94		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Roger Mesen

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
PPark NJ, LLC

ADDRESS
100 Planten Ave
Prospect Park, NJ 07508

PHONE NO.
973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/13/15

Weight Ticket

Ticket No. 35999
Issued On 02.13.2015 08:44 AM

PARK
RECLAIM & FLOURISH

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	**Gross**	2/13/2015 8:44:04 AM
Plate No.	AP791H	**Tare**	2/13/2015 8:34:19 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	87,820	31,800	56,020	28.01	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63071

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63071 #15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-6258	Est. 22 tons
		Grid: WC4 (812)		
			81820	
			31800	
			28.01	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yanger

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez 97

ADDRESS 490 Union Belleville NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP7791H	NJ	97		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Todd

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
PPark NJ, LLC

ADDRESS
100 Planten Ave
Prospect Park, NJ 07508

PHONE NO.
973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/13/15

Weight Ticket

Ticket No. 36005
Issued On 02.13.2015 09:03 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	Gross	2/13/2015 9:03:24 AM
Plate No.	AP639R	Tare	2/13/2015 8:55:50 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	91,060	29,000	62,060	31.03	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63072

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63072

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0268	Est. 22 tons
		Grid: WC4 (8-12)		91060
				29000
				31.03

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yonger

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Meder

ADDRESS 490 Union Ave Belleville NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP-8697	NJ	101		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME E Mata

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/13/15

Weight Ticket

Ticket No. 36007
Issued On 02.13.2015 09:06 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #11	**Gross**	2/13/2015 9:06:34 AM
Plate No.	AR904C	**Tare**	2/13/2015 8:59:30 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	85,820	29,500	56,320	28.16	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63073

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63073

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0258	est. 22 tons
		Grid: W(4)(8-12)		
			85820	
			29500	
			28.16.	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yanger

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mentor

ADDRESS 490 Union Ave Belleville, NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AC-4C4C	NJ	11		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Marcelo Siguencia

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
PPark NJ, LLC

ADDRESS
100 Planten Ave
Prospect Park, NJ 07508

PHONE NO.
973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/13/15

Weight Ticket

Ticket No. 36008
Issued On 02.13.2015 09:11 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ	**Gross**	2/13/2015 9:11:35 AM
Plate No.	AP864P	**Tare**	2/13/2015 9:01:13 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	84,120	30,960	53,160	26.58	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63074

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63074 #15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0268	est. 22 tons
		Grid: WC4 (8-12)		
			8/120	
			30960	
				26.58

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yazar

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Meeker

ADDRESS 490 Union Ave Belleville NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP-864P	NJ	61		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Celso Averos

PRINT DRIVER'S NAME Celso Averos

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/13/15

Weight Ticket

Ticket No. 36011
Issued On 02.13.2015 09:22 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #44	**Gross**	2/13/2015 9:22:01 AM
Plate No.	AS530D	**Tare**	2/13/2015 9:13:11 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	83,780	29,080	54,700	27.35	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63075

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63075 15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0258	Est. 22 tons
		Grid: WC4 (8-12)		
			83780	
			29080	
				27.35

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Tanager

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendor

ADDRESS 440 Union

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS-530D	NJ	44		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Luis Tello

PRINT DRIVER'S NAME Luis Tello

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
PPark NJ, LLC

ADDRESS
100 Planten Ave
Prospect Park, NJ 07508

PHONE NO.
973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/13/15

Weight Ticket

Ticket No. 36013
Issued On 02.13.2015 09:33 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

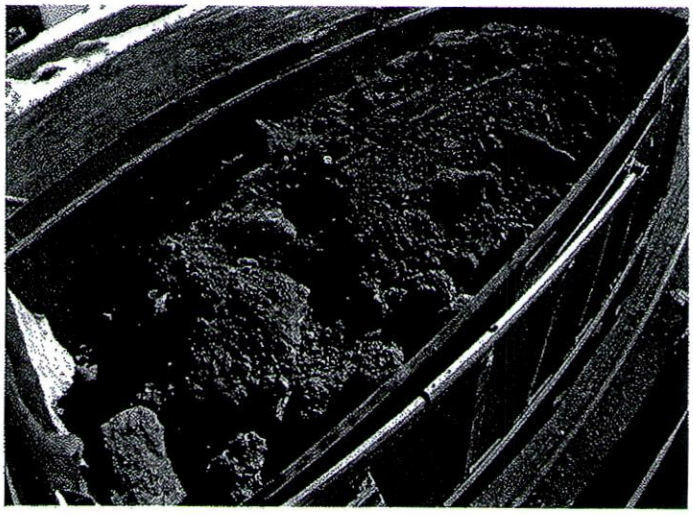
Truck		Date and Time	
Hauler Name	MENDEZ #24	Gross	2/13/2015 9:33:17 AM
Plate No.	AP690W	Tare	2/13/2015 9:24:46 AM

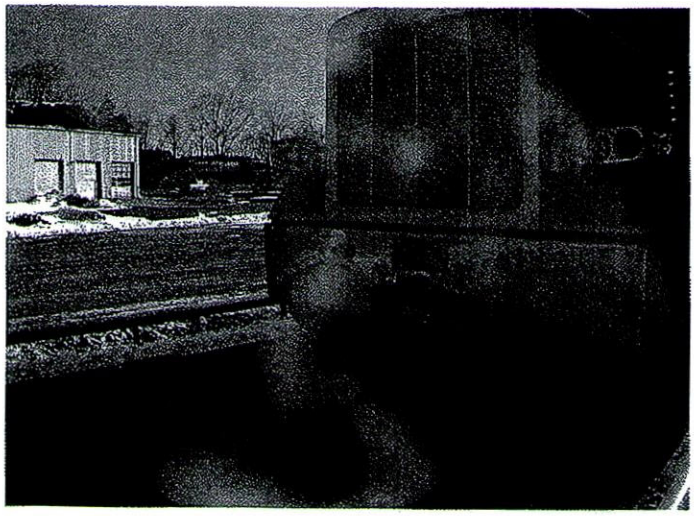
Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	84,300	27,660	56,640	28.32	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63076

Driver Signature

Weighmaster Signature





Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63076 #15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 0258	Est. 22 TONS
		Grid: WC4 (8-12)		
			84300	
			72640	
			28.32	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yanger

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Merder

ADDRESS 490 Union Ave Belleville, NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP-690W	NJ	24		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME DIDIER TABORDA

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/13/15

Weight Ticket

Ticket No. 36014
Issued On 02.13.2015 09:42 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #1	**Gross**	2/13/2015 9:42:40 AM
Plate No.	AR903C	**Tare**	2/13/2015 9:31:35 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	86,020	29,320	56,700	28.35	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63077

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63077 #15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0258	est. 22 tons
		Grid: WC4 (8-12)		
				26.020
				29.320
				28.35

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME Mehmet Longer
DATE 2/13/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez
ADDRESS 490 Union Ave Belleville, NJ
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A129030	NJ	1		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Marlon López
DATE 2/13/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC
ADDRESS 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 2/13/15

Weight Ticket

Ticket No. 36016
Issued On 02.13.2015 09:44 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #45	**Gross**	2/13/2015 9:44:57 AM
Plate No.	AS531D	**Tare**	2/13/2015 9:37:50 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	82,140	28,480	53,660	26.83	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63078

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63078 #15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-6258	est. 22 tons
		Grid: WC4 (8-12)		82/140
				28/480
				26/83

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yanar

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mender

ADDRESS 490 Union Ave
Belleville, NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
45531D	NJ	45		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Jorge Acevedo

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
PPark NJ, LLC

ADDRESS
100 Planten Ave
Prospect Park, NJ 07508

PHONE NO.
973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/13/15

Weight Ticket

Ticket No. 36031
Issued On 02.13.2015 10:34 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #56	**Gross**	2/13/2015 10:34:29 AM
Plate No.	AS521B	**Tare**	2/13/2015 10:23:10 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	86,660	29,720	56,940	28.47	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST # 63079

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63079

Job/Project # 109053 #15.017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0258	est. 22 tons
		Grid: WC4 (8-12)		
				$6660
				29720.
				28.47.

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Yager

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Merlex

ADDRESS 490 Union Ave Belleville, NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS-521B	NJ	56		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Orlando C. Scarzutti

DATE 2/13/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME Tom Bin

DATE 2/13/15

Environmental Waste Minimization, Inc.

EIN#: 23-2827092
14 Brick Kiln Court
Northampton, PA 18067

Invoice

Date	Invoice #
3/3/2015	203267

Bill To
Dynatec Contracting ATTN: Accounts Payable 25-52 Crescent Street Astoria, NY 11102

Terms	Due Date	Rep	P.O. No.
Net 45	4/17/2015	JKS	Bushwick Place

Quantity	Description	Rate	Amount
	Date of Service 02/25/15 - 2/27/15, Quote# 109053 - 83 Bushwick Pl, Brooklyn NY		
437.29	NJ Res Soil to Ppark	27.50	12,025.48
282.73	Surcharge for rock in loads	4.00	1,130.92

Subtotal	$13,156.40
Sales Tax (0.0%)	$0.00
Payments/Credits	$0.00
Balance Due	**$13,156.40**

Thank you for your business!

Phone #	E-mail	Web Site
484-275-6903	dfox@ewmi-info.com	www.ewmi.com

For your convenience, we accept Visa, Mastercard and American Express

Total # of Loads:	15	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	437.29	Light Load Surcharge Tonnage:	0
Average Tons per Load:	29.1526667	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons
1	2/27/2015	Mendez	55	PPark			63081	27.90
2	2/27/2015	Mendez	29	PPark			63082	27.75
3	2/27/2015	Mendez		PPark			63083	26.95
4	2/27/2015	Mendez	83	PPark			63087	30.83
5	2/27/2015	Mendez	420	PPark			63086	27.67
6	2/27/2015	Mendez		PPark			63085	30.20
7	2/27/2015	Mendez	10	PPark			63084	24.88
8	2/27/2015	Mendez	28	PPark			63089	28.66
9	2/27/2015	Mendez	288	PPark			63088	27.94
10	2/27/2015	Mendez	36	PPark			63090	30.04
11	2/27/2015	Mendez	55	PPark			63095	31.34
12	2/27/2015	Mendez	29	PPark			63094	29.95
13	2/27/2015	Mendez		PPark			63092	31.15
14	2/27/2015	Mendez	420	PPark			63093	30.16
15	2/27/2015	Mendez	83	PPark			63091	31.87
16								
17								
18					Surcharge for rock:282.73/Tons			
19								

Weight Ticket

Ticket No. 36548
Issued On 02.27.2015 08:53 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No	42	Name	83 Buehwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Bedford Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #55	Gross	2/27/2015 8:53:20 AM
Plate No.	AE620R	Tare	2/27/2015 8:53:18 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - > 30% of Rock	85,040	29,240	55,800	27.90	0.00
Clean Fill	85,040	29,240	55,800	27.90	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63081

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63081 15-017.

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 0258	est. 22 Tons
		Grid: WC-4 (8-12)		
			85040	
			29240	
			27.90	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Tonger

DATE

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez Trucking

ADDRESS: 440 Union Ave, Belleville, NJ 07109

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A55EUB	NJ	#55.		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME CARLOS CORREA.

DATE 2/27/2015

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave, Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/27/15

Weight Ticket

Ticket No. 36551
Issued On 02.27.2015 09:10 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	Gross	2/27/2015 9:10:20 AM
Plate No.	AP256H	Tare	2/27/2015 9:00:35 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - > 30% of Rock	84,920	29,420	55,500	27.75	0.00
Clean Fill	84,920	29,420	55,500	27.75	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63082

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63082

Job/Project # 109053 # 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0258	est. 22 Tons
		Grid: WC-4(8-12)		
			84420	
			84420	
			27.75	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez Trucking

ADDRESS: Belleville

PHONE NO.: ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP256H	NJ		# 29	

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE: 2/27/2015

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO.: 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE: 2/27/2015

Weight Ticket

Ticket No. 36554
Issued On 02.27.2015 09:17 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

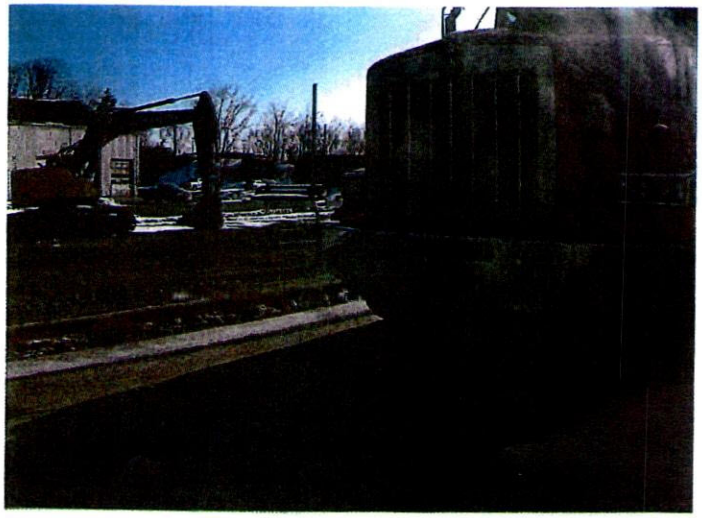
Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	**Gross**	2/27/2015 9:17:37 AM
Plate No.	AM320V	**Tare**	2/27/2015 9:09:44 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - > 30% of Rock	83,160	29,260	53,900	26.95	0.00
Clean Fill	83,160	29,260	53,900	26.95	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63083

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63083 #15-017.

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 0268	est. 22 Tons
		Grid: WC-4 (8.12)		
			83160	
			83161	
			83162	
			83163	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 2-27-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez Trucking
ADDRESS: Belleville
PHONE NO. ( ) -

VEHICLE I.D. NO. AM320V
STATE NJ
BOX NUMBER-IN
BOX NUMBER-OUT
COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Hector Mez
PRINT DRIVER'S NAME [signature]
DATE 2/27/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME [signature]
DATE 2/27/2015

Weight Ticket

Ticket No. 36570
Issued On 02.27.2015 09:49 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

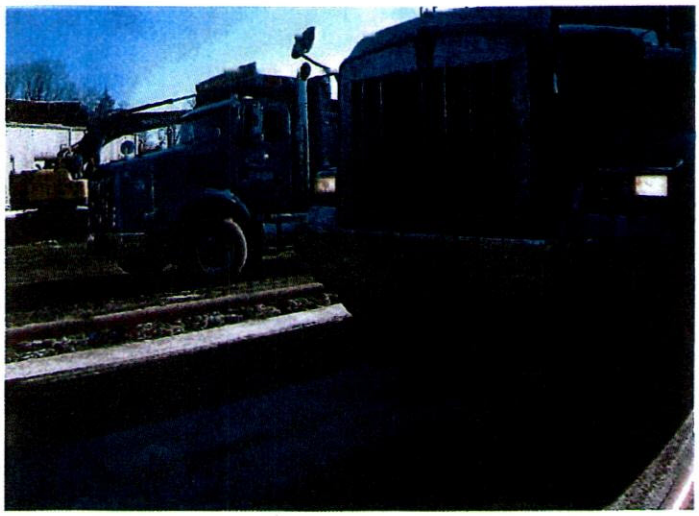
Truck		Date and Time	
Hauler Name	MENDEZ #03	**Gross**	2/27/2015 9:49:02 AM
Plate No.	AL337N	**Tare**	2/27/2015 9:39:07 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - > 30% of Rock	91,340	29,680	61,660	30.83	0.00
Clean Fill	91,340	29,680	61,660	30.83	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63087

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63087

Job/Project # 109053 #15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013016 02548	est. 22 Tons
		Grid: WC-4 (8-12)		
			91340	
			96680.	
			20.83	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mike Tanner

DATE 2/27/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez Trucking	Belleville	( )

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AL337N	NJ	83		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME CARLOS TINITANA

DATE 2/27/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/27/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63086

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0268	est. 22 Tons
		Grid: WC4 (8.12)		
			86580	
			31240	
			27.67	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yenger

DATE 2/27/2015

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez Trucking	Belleville	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AK 185 V	NJ	#420		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Eduardo Cardoza

DATE 02/27/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4400

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/27/15

Weight Ticket

Ticket No. 36579
Issued On 02.27.2015 10:07 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #100053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

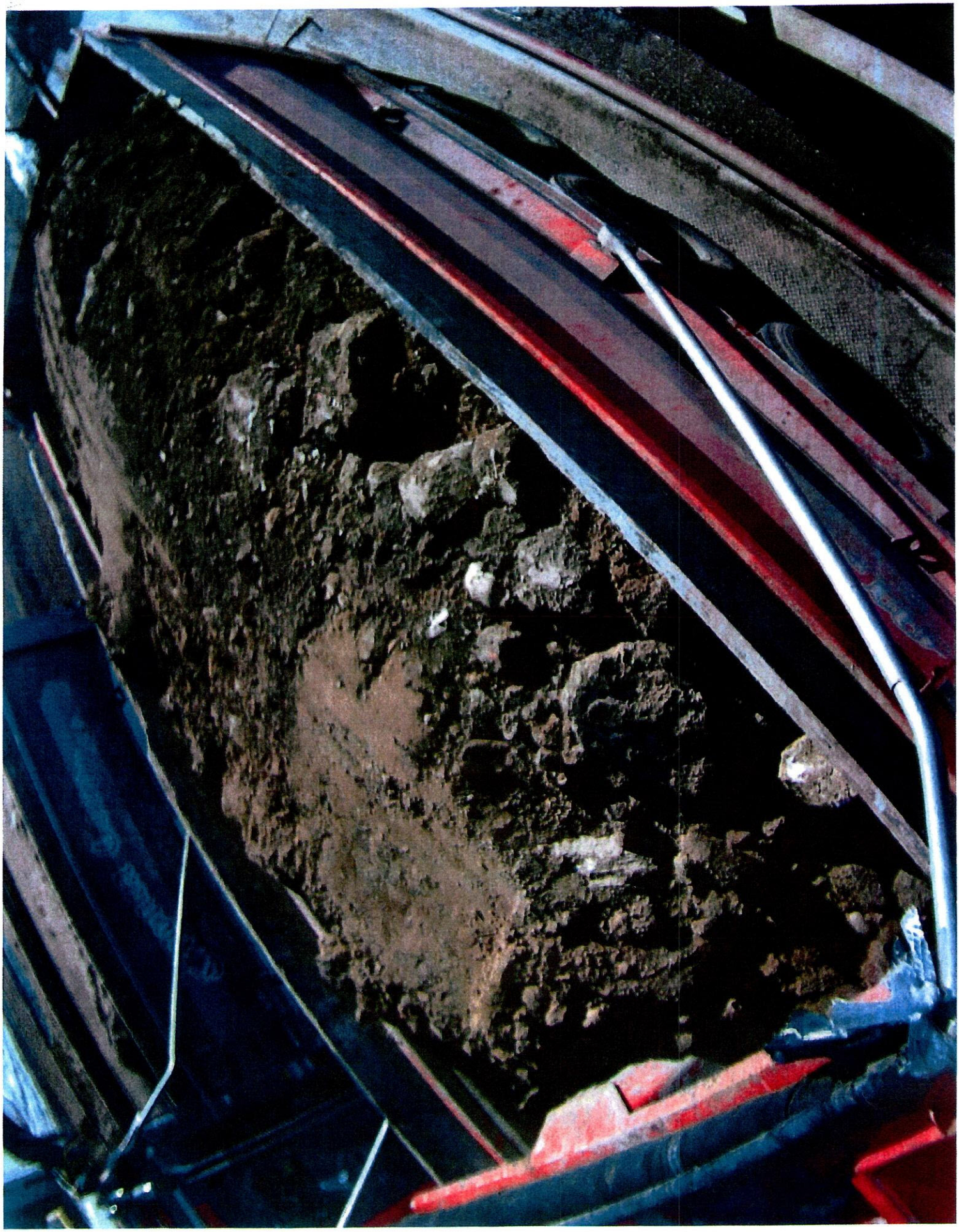
Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	**Gross**	2/27/2015 10:07:33 AM
Plate No.	AP865P	**Tare**	2/27/2015 9:59:02 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - > 30% of Rock	89,160	28,760	60,400	30.20	0.00
Clean Fill	89,160	28,760	60,400	30.20	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63085

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63085

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0258	est. 22 tons
		Grid: WC-4 (8-12)		
			89/60	
			28760.	
			30.20.	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Ymser

DATE 2/27/2015

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez Trucking	Belleville	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP865P	NJ.	8:02 Am	8:10 Am	

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE John Cordova

PRINT DRIVER'S NAME JOHN CORDOVA

DATE 02/27/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/27/15

Weight Ticket

Ticket No. 36581
Issued On 02.27.2015 10:11 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

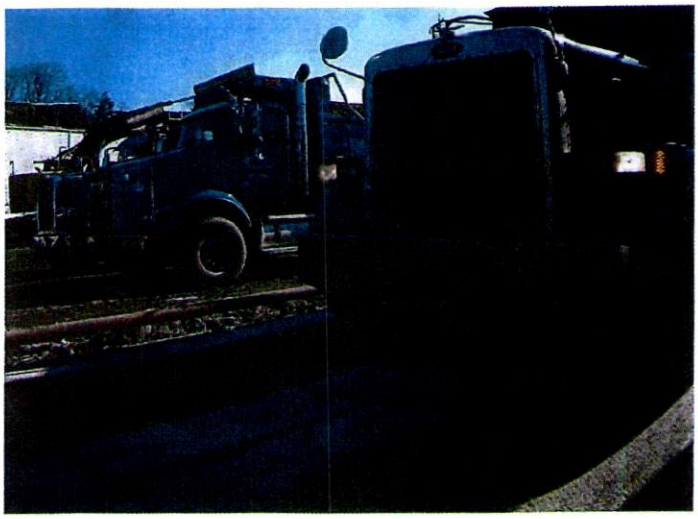
Truck		Date and Time	
Hauler Name	MENDEZ	Gross	2/27/2015 10:11:51 AM
Plate No.	AN550M	Tare	2/27/2015 10:01:54 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - > 30% of Rock	79,760	30,000	49,760	24.88	0.00
Clean Fill	79,760	30,000	49,760	24.88	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63084

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63084

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013016-8268	est. 22 tons
		Grid: WC-4(8-12)		
			79760	
			30000	
			24.88	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Melvin Yonger

DATE 2/27/2015

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez Trucking

ADDRESS: 10 Belleville

PHONE NO. ( ) -

VEHICLE I.D. NO. AN5504

STATE NJ

BOX NUMBER-IN 8622226394

BOX NUMBER-OUT

COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Carlos Restrepo

DATE 02-27-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/27/15

Weight Ticket

Ticket No. 36585
Issued On 02.27.2015 10:45 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

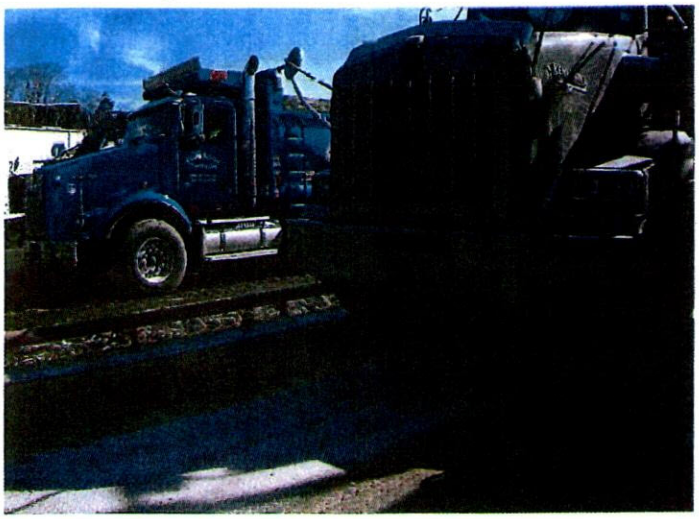
Truck		Date and Time	
Hauler Name	MENDEZ	Gross	2/27/2015 10:45:42 AM
Plate No.	AN869W	Tare	2/27/2015 10:38:08 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - > 30% of Rock	86,920	29,600	57,320	28.66	0.00
Clean Fill	86,920	29,600	57,320	28.66	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #~~63067~~ 63089 JV

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63089

Job/Project # 109053 #15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-D258	est. 22 tons
		Grid: WC4 (8-12)		
				86920
				29600
				28160

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME PAUL MILANESI

DATE 2-27-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDES		( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN869W	NJ	28		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME ROGER SILVA

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME

DATE 2/27/15

Weight Ticket

Ticket No. 36588
Issued On 02.27.2015 10:51 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

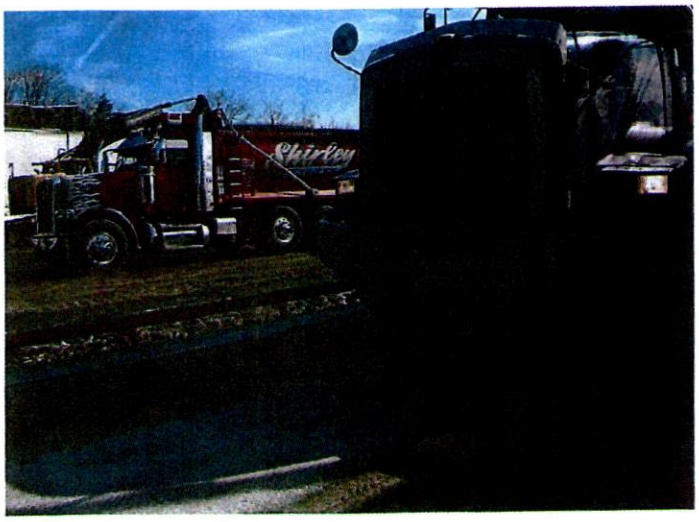
Truck		Date and Time	
Hauler Name	MENDEZ	Gross	2/27/2015 10:51:30 AM
Plate No.	AN370M	Tare	2/27/2015 10:42:18 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - > 30% of Rock	86,080	30,200	55,880	27.94	0.00
Clean Fill	86,080	30,200	55,880	27.94	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63088

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63088

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013615268	est. 22 Tons
		Grid: WC4 (8-12)		
				86080
				30200
				27.94

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME PAUL MILANESI

DATE 2-27-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ #288

ADDRESS 490 Union Ave Belleville NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN 370m	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE
PRINT DRIVER'S NAME

DATE 2-27-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973 947-1188

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME

DATE 2/27/15

Weight Ticket

Ticket No. 36589
Issued On 02.27.2015 10:53 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING #36	**Gross**	2/27/2015 10:53:33 AM
Plate No.	AN843J	**Tare**	2/27/2015 10:44:00 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	89,620	29,540	60,080	30.04	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63090

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63090

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0858	est. 22 tons
		Grid: WC4(8/12)		
			29 650	
			29 540	
			29 5	
			30 ok.	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 2-27-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ TRUCKING #36
ADDRESS:
PHONE NO.: ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN843J-NJ	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME LUIS AGUILAR
DATE 2-27-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave, Prospect Park, NJ 07508
PHONE NO.: 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME Toni Ram
DATE 3/27/15

Weight Ticket

Ticket No. 36617
Issued On 02.27.2015 12:30 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

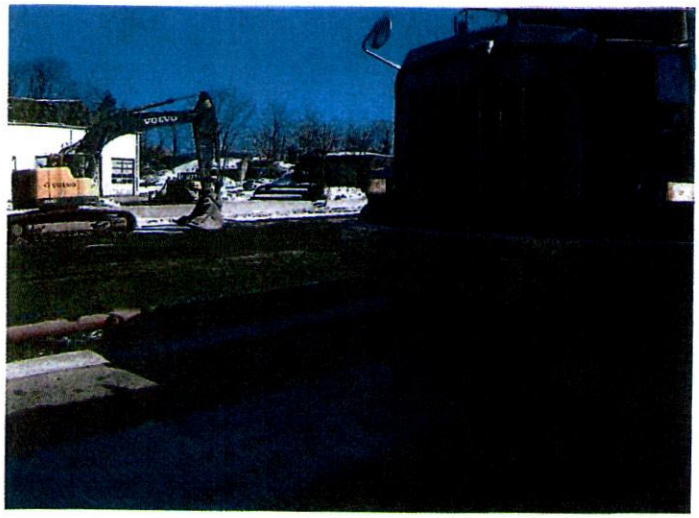
Truck		Date and Time	
Hauler Name	MENDEZ #55	**Gross**	2/27/2015 12:30:50 PM
Plate No.	AS520B	**Tare**	2/27/2015 12:19:43 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	91,860	29,180	62,680	31.34	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63095

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63095 #15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 D268	est. 22 Tons
		Grid: WC4 (8-12)		
			91860	
			29180	
			3134	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME PAUL MILANESI
DATE 2-27-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ TRUCKING
ADDRESS 490 UNION AVE BELLEVILLE, NJ
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS520B	NJ	#55		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE
PRINT DRIVER'S NAME CARLOS CORREA
DATE 2/27/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC
ADDRESS 100 Planten Ave Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME
DATE 2/27/15

Weight Ticket

Ticket No. 36621
Issued On 02.27.2015 12:48 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

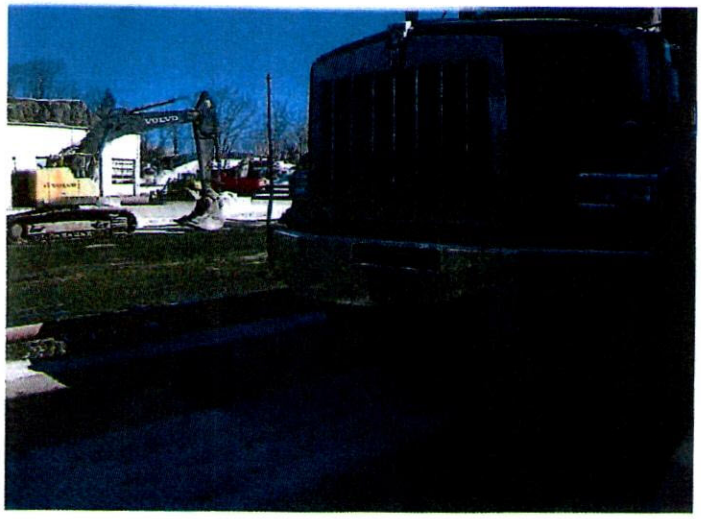
Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	Gross	2/27/2015 12:48:28 PM
Plate No.	AP256H	Tare	2/27/2015 12:35:44 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - > 30% of Rock	89,220	29,320	59,900	29.95	0.00
Clean Fill	89,220	29,320	59,900	29.95	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63094

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63063

Job/Project # 109053 15.017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-6268	Lft. 22 tons
		Grid: WC4 (8-12)		
				82580
				29760
				26.41

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME Jorge m Pineda
DATE 2/12/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez #10
ADDRESS:
PHONE NO.: ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A1550 01	NJ	862-2226594		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Carlos Restrepo
PRINT DRIVER'S NAME
DATE 02-12-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO.: 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME
DATE 2/12/15

Weight Ticket

Ticket No. 36625
Issued On 02.27.2015 12:59 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	**Gross**	2/27/2015 12:59:03 PM
Plate No.	AM320V	**Tare**	2/27/2015 12:43:02 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	91,460	29,160	62,300	31.15	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63092

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63092

Job/Project # 109053 15-077

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	01365 0268	131.22 tons
		Grid: WC4 (8-12)		
			91460	
			91160	
			31/15	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 2-27-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME
ADDRESS
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AM 3200	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME [signature]
DATE 2-27-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
PPark NJ, LLC

ADDRESS
100 Planten Ave
Prospect Park, NJ 07508

PHONE NO.
973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 2/27/15

Weight Ticket

Ticket No. 36629
Issued On 02.27.2015 01:02 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	Gross	2/27/2015 1:02:09 PM
Plate No.	AK185V	Tare	2/27/2015 12:50:57 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	91,440	61,120	60,320	30.16	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63003

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63093

Job/Project # 109053

#15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 0258	est. 22 tons
		Grid: WL4 (8-12)		
			91440	
			31120	
			30.14	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME PAUL MILANESI

DATE 2-27-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mandez

ADDRESS Carson Ad

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AK185V	NJ	420		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME Asuro Carrasco

DATE 02/02/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME [signature]

DATE 2/27/15

Weight Ticket

Ticket No. 36630
Issued On 02.27.2015 01:47 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #83	Gross	2/27/2015 1:47:24 PM
Plate No.	AL337N	Tare	2/27/2015 1:06:26 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	93,340	29,600	63,740	31.87	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63091

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63091

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 0258	est. 22 tons
		Grid: WC4 (8-12')		
			93340	
			24600	
			31.87	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 2-27-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME
ADDRESS
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A2337N	NJ	83		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME CARLOS TENITANA
DATE 2-27-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC
ADDRESS 100 Planten Ave, Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 2/27/15

Environmental Waste Minimization, Inc.

EIN#: 23-2827092
14 Brick Kiln Court
Northampton, PA 18067

Invoice

Date	Invoice #
3/6/2015	203293

Bill To
Dynatec Contracting ATTN: Accounts Payable 25-52 Crescent Street Astoria, NY 11102

Terms	Due Date	Rep	P.O. No.
Net 45	4/20/2015	JKS	Bushwick Place

Quantity	Description	Rate	Amount
294.74	Date of Service 03/04/2015, Quote# 109053 - Soil - Brooklyn, NY NJ Res Soil to Ppark	27.50	8,105.35

Subtotal	$8,105.35
Sales Tax (0.0%)	$0.00
Payments/Credits	$0.00
Balance Due	**$8,105.35**

Thank you for your business!

Phone #	E-mail	Web Site
484-275-6903	dfox@ewmi-info.com	www.ewmi.com

For your convenience, we accept Visa, Mastercard and American Express

Total # of Loads:	10	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	294.74	Light Load Surcharge Tonnage:	0
Average Tons per Load:	29.474	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons
1	3/4/2015	Mendez	94	PPark			63096	30.75
2	3/4/2015	Mendez	101	PPark			63097	32.03
3	3/4/2015	Mendez	97	PPark			63098	29.49
4	3/4/2015	Mendez		PPark			63099	30.53
5	3/4/2015	Mendez	11	PPark			63100	30.22
6	3/4/2015	Mendez	61	PPark			63102	28.56
7	3/4/2015	Mendez	56	PPark			63101	29.68
8	3/4/2015	Mendez	44	PPark			63103	27.86
9	3/4/2015	Mendez	98	PPark			63104	28.35
10	3/4/2015	Mendez	45	PPark			63105	27.27

Weight Ticket

Ticket No. 36774
Issued On 03.04.2015 09:04 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	**Gross**	3/4/2015 9:04:49 AM
Plate No.	AP328G	**Tare**	3/4/2015 8:56:00 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	91,080	29,580	61,500	30.75	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63096

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63096 #15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0268	est. 22 tons
		Grid: WC4 (812)		
				91080.
				29580.
				30.75

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Tonzar

DATE 3/4/2015

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mender Trucking

ADDRESS: Belleville

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 3286	NJ	# 94		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Roger Mesen

DATE 3/4/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 3/4/15

Weight Ticket

Ticket No. 36776
Issued On 03.04.2015 09:26 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZIP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	**Gross**	3/4/2015 9:26:40 AM
Plate No.	AP639R	**Tare**	3/4/2015 9:19:41 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	93,260	29,200	64,060	32.03	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63097

Driver Signature

Weighmaster Signature

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63097

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 6208	est. 22 ton
		Grid: WC4 (8-12)		
			93260	
			29200	
			3203	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yangier

DATE 3/4/2015

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez Trucking	Belleville	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP639R	NJ	101	101	

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE 3/4/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 3/4/15

Weight Ticket

Ticket No. 36778
Issued On 03.04.2015 09:38 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZIP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	**Gross**	3/4/2015 9:38:20 AM
Plate No.	AP791H	**Tare**	3/4/2015 9:31:27 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	90,500	31,520	58,980	29.49	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63098

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63098 #15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 B208	est. 22 tons
		Grid: WC4 (8.12)		
				90500.
				31520.
				29.49.

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Longer

DATE 3/4/2015

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez Trucking

ADDRESS: Belleville (97)

PHONE NO. ( ) -

VEHICLE I.D. NO. 27) AP7911 | STATE NJ | BOX NUMBER-IN 97 | BOX NUMBER-OUT | COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Todd A

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 3/4/15

Weight Ticket

Ticket No. 36779
Issued On 03.04.2015 09:55 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

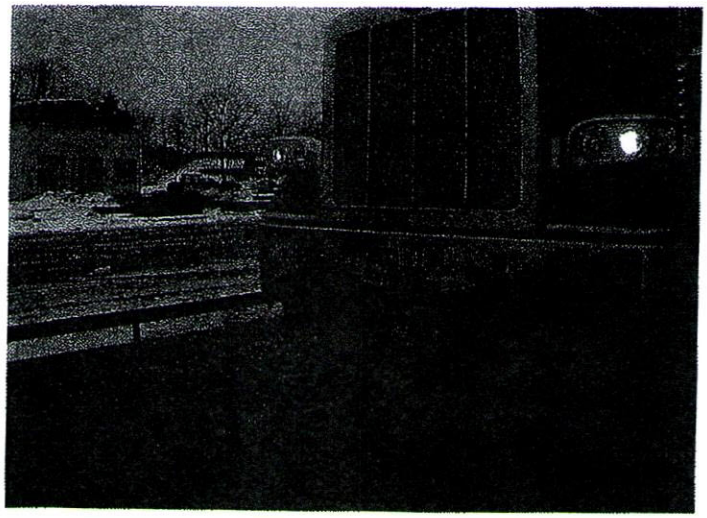
Truck		Date and Time	
Hauler Name	MENDEZ #24	**Gross**	3/4/2015 9:55:57 AM
Plate No.	AP690W	**Tare**	3/4/2015 9:44:21 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	88,720	27,660	61,060	30.53	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63099

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63099

Job/Project # 109053 15.017.

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 8258	est. 22 tons
		Grid: WC4 (812)		
			88720	
			276660	
			30053	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yanger

DATE 3/4/2015

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez Trucking	Belleville	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP690W	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME DEREK TATSORDA

DATE 03-04-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME Tom Vrin

DATE 3/4/15

Weight Ticket

Ticket No. 36782
Issued On 03.04.2015 10:10 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #11	**Gross**	3/4/2015 10:10:27 AM
Plate No.	AR904C	**Tare**	3/4/2015 10:01:30 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	89,960	29,520	60,440	30.22	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63100

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63100

Job/Project # 109053 #15.017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-0368	est. 22 tons
		Grid: WC4 (8.12)		
				29960
				29520
				30.22

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yanar

DATE 3/4/2015

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez Trucking	Belleville	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AR904C	NJ	#11		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Manceto Siqueneia

DATE 03-04-2015

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME Con Mir

DATE 3/4/15

Weight Ticket

Ticket No. 36783
Issued On 03.04.2015 10:20 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ	**Gross**	3/4/2015 10:20:47 AM
Plate No.	AP864P	**Tare**	3/4/2015 10:12:47 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	86,260	29,140	57,120	28.56	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63102

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63102

Job/Project # 109053

15.017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	0130015 0858	est. 22 tons
		Grid: WC4 (8/12)		
			8:60	
			8:40	
			8:56	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE: Nick Mancuso

PRINT NAME: Nick Mancuso

DATE: 3/4/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ TRUCK

ADDRESS: 490 UNION AV BELLEVILLE NJ

PHONE NO.: (973) 979-0100

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP864P 61	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE: Celso Averos

PRINT DRIVER'S NAME: Celso Averos

DATE: 3/4/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO.: 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE: 3/4/15

Weight Ticket

Ticket No. 36784
Issued On 03.04.2015 10:25 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #56	**Gross**	3/4/2015 10:25:10 AM
Plate No.	AS521B	**Tare**	3/4/2015 10:16:00 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	89,220	29,860	59,360	29.68	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63101

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63101 #15-017.

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 0268	est. 22 tons
		Grid: WC4 (8-12)		
			89/220	
			29/860	
			29.68	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yanger

DATE 3/4/2015

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez Trucking	Belleville	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS 521B	NJ	#56		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Orlando C. Scarcelli

DATE 03-04-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME Tom Mr

DATE 3/4/15

Weight Ticket

Ticket No. 36786
Issued On 03.04.2015 10:40 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZIP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #44	**Gross**	3/4/2015 10:40:12 AM
Plate No.	AS530D	**Tare**	3/4/2015 10:30:14 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	84,880	29,160	55,720	27.86	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63103

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63103

Job/Project # 109053

#6017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 8258	181.22 tons
		Grid: WC4 (8-12)		
			54880	
				29160
				27.86

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME Nick Manuso

DATE 3/4/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKIN	490 UNION AVE Belleville NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS530D	NJ	44		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Luis Tello

PRINT DRIVER'S NAME Luis Tello

DATE 3/4/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
[redacted]	100 Planten Ave [redacted]	

Weight Ticket

Ticket No. 36787
Issued On 03.04.2015 10:47 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	Gross	3/4/2015 10:47:47 AM
Plate No.	AP792H	Tare	3/4/2015 10:39:27 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	88,240	31,540	56,700	28.35	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #63104

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63104 #15017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 0258	est. 32 tons
		Cont. WC4 (812)		
				8 8240
				31540
				38.35

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME Nick Mancuso
DATE 3/4/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez Trucking.
ADDRESS:
PHONE NO.: ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 79224	NJ	#98		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME LUIS ABREU JR
DATE 03/04/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO.: 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 3/4/15

Weight Ticket

Ticket No. 36789
Issued On 03.04.2015 11:00 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #45	**Gross**	3/4/2015 11:00:46 AM
Plate No.	AS531D	**Tare**	3/4/2015 10:51:41 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	83,060	28,520	54,540	27.27	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63105

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63105 15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 03668	851.22 tons
		Grid: WC4 (8.12)		
				83060
				28500.
				27.27

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME Nick Muneed

DATE 3/4/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez	490 Union AV	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS 531D	NJ	45		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME Jorge Acevedo

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME [signature]

DATE 3/4/15

Environmental Waste Minimization, Inc.

EIN#: 23-2827092
14 Brick Kiln Court
Northampton, PA 18067

Invoice

Date	Invoice #
3/19/2015	203354

Bill To
Dynatec Contracting ATTN: Accounts Payable 25-52 Crescent Street Astoria, NY 11102

Terms	Due Date	Rep	P.O. No.
Net 45	5/3/2015	JKS	Bushwick Place

Quantity	Description	Rate	Amount
455.68	Date of Service 03/13/15, Quote# 109053 - Bushwick Pl, Brooklyn NY NJ Res Soil to Ppark	27.50	12,531.20

Subtotal	$12,531.20
Sales Tax (0.0%)	$0.00
Payments/Credits	$0.00
Balance Due	**$12,531.20**

Thank you for your business!

Phone #	E-mail	Web Site
484-275-6903	dfox@ewmi-info.com	www.ewmi.com

For your convenience, we accept Visa, Mastercard and American Express

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 109053 Date: 03/13/15 Day: Friday
Customer: Dynatech Customer Contact: Mehmet Yanger
Job Location: 224 Boerun Street. Brooklyn NY Customer Phone: 917-412-2077

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Nicholas Acker	TD	0530	0600	1330	1600	10
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**
Mendez			0700	1330		

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D D C B

EQUIPMENT	QTY	EQUIPMENT	QTY	DISPOSAL /
T-162	1			14 loads Prospect Park
PID Meter	1			
Laptop	1			

JOB DESCRIPTION / REMARKS

Daily Activities

I arrive on site at 0600 and meet with Mehmet Yanger (Dynatech). Today we will be shipping an estimated 21 loads of soil meeting NJ Res criteria to Prospect Park for offsite disposal. Mendez is providing 7 tri-axle dump trucks for transportation. They are all expected to make 3 rounds.

Upon arrival, I notice that soil is somewhat moist. I go over with Mehmet the possible surcharges of loads containing excess moisture as well as the requirements of prospect park.

Once the trucks return for a second round, Mehmet cancels the third round because there is not enough material on site. He relays this message to Natasha Bedocs (EWMI).

Trucks are loaded and off site with their second and final round at 1315 hours.

Trucking Activities

7 trucks make 2 rounds to Prospect Park

Soil Activities

Soil consists of sand and clay from grid 4. PID hits are negligible.

Weather: sunny, cold. Temperature: 40 °F
Customer Signature: _____ Representative: Nicholas Acker
Date: _____ Date: 03/13/15

Original - Customer Copy

Total # of Loads:	14	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	455.68	Light Load Surcharge Tonnage:	0
Average Tons per Load:	32.5485714	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	3/13/2015	Mendez	11	PPark	700	0730	63106	34.05	Grid #4
2	3/13/2015	Mendez	61	PPark	700	0740	63107	36.16	Grid #4
3	3/13/2015	Mendez	31	PPark	700	0750	63108	32.62	Grid #4
4	3/13/2015	Mendez	83	PPark	700	0800	63109	36.51	Grid #4
5	3/13/2015	Mendez	56	PPark	700	0810	63110	31.10	Grid #4
6	3/13/2015	Mendez	36	PPark	700	0820	63111	35.30	Grid #4
7	3/13/2015	Mendez	1	PPark	700	0830	63112	32.95	Grid #4
8	3/13/2015	Mendez	11	PPark	1045	1100	63113	31.57	Grid #4
9	3/13/2015	Mendez	61	PPark	1100	1115	63114	28.33	Grid #4
10	3/13/2015	Mendez	31	PPark	1115	1130	63115	30.49	Grid #4
11	3/13/2015	Mendez	56	PPark	1130	1145	63116	27.98	Grid #4
12	3/13/2015	Mendez	83	PPark	1200	1215	63117	34.83	Grid #4
13	3/13/2015	Mendez	36	PPark	1230	1245	63118	32.70	Grid #4
14	3/13/2015	Mendez	1	PPark	1300	1315	63119	31.09	Grid #4
15									
16									
17									

Weight Ticket

Ticket No. 37261
Issued On 03.13.2015 09:28 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #11	**Gross**	3/13/2015 9:28:00 AM
Plate No.	AR904C	**Tare**	3/13/2015 9:19:14 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	97,780	29,680	68,100	34.05	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #00063106

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63106

Job/Project # 109053 #15.017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 6868	est. 22 Tons
		~~Grid: WC-4 (8-12)~~ NA		
				97780
		~~15A0137 WC-4 (8'-12' bgs)~~ NA		
		~~15C0198-01 WC-5 (8-12') Grid #4 (8-12' bgs)~~ NA		29680
		Grid #4 WC-5 (8'-12')		34.85

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME PAUL MILANESI

DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez Trucking

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AR904C	NJ	#11		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME Marcelo Siguenda

DATE 3-13-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS
100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME [signature]

DATE 3/13/15

Weight Ticket

Ticket No. 37269
Issued On 03.13.2015 09:48 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ	Gross	3/13/2015 9:48:50 AM
Plate No.	AP864P	Tare	3/13/2015 9:30:50 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	101,600	29,280	72,320	36.16	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63107

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63107

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 0858	est. 22 tons
		~~Grid: WC4 (8-12)~~ NA		
		~~15A0137 WC-4 (8-12' bgs)~~ NA		
		~~15C0198-01 WC-5 (8-12')~~ NA		
		Grid #4 WC-5 (8'-12')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ
ADDRESS 490 UNION AV BELLEVILLE NJ
PHONE NO. (973) 979-0100

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP8642	PS	[signature]		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME
DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC
ADDRESS 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME [signature]
DATE 3/13/15

Weight Ticket

Ticket No. 37273
Issued On 03.13.2015 09:59 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZIP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

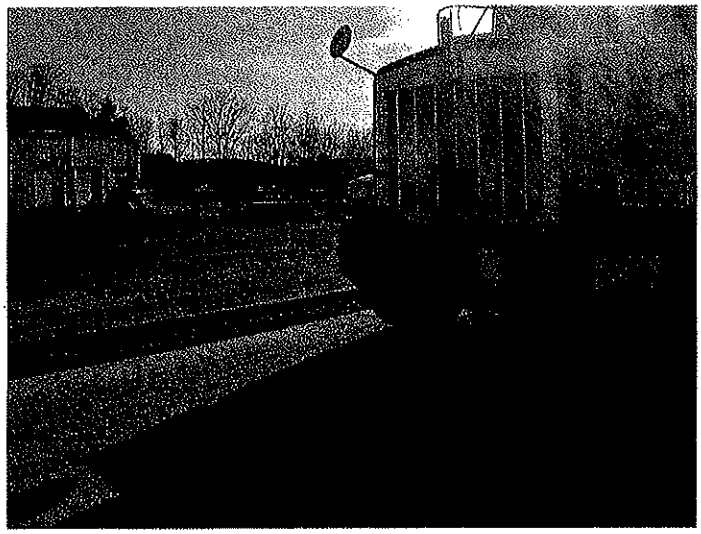
Truck		Date and Time	
Hauler Name	MENDEZ #31	Gross	3/13/2015 9:58:58 AM
Plate No.	AP305X	Tare	3/13/2015 9:41:32 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	93,480	28,240	65,240	32.62	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63108

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63108

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	0P3015 82558	1st 22 tons
		~~Grid: WC4 (8-12)~~		
				93480
		Grid #4 WC-5 (8'-12')		
				28240
				32.60

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME PAUL MILANESI

DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO. AP305X

STATE

BOX NUMBER-IN 31

BOX NUMBER-OUT

COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME ANDRES

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS
100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME

DATE 3/13/15

Weight Ticket

Ticket No. 37274
Issued On 03.13.2015 10:05 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #83	Gross	3/13/2015 10:05:01 AM
Plate No.	AL337N	Tare	3/13/2015 9:55:16 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	102,720	29,700	73,020	36.51	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63109

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63109

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 0858	Est. 20 tons
		~~Grid: WC11 (8'-12')~~		
		Grid #4 WC-5 (8'-12')		
			102720	
			29780	
			2951	
			30	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez
ADDRESS
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AL337N #83	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME CARLOS TINITANA
DATE 3/13/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC
ADDRESS 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 3/13/15

Weight Ticket

Ticket No. 37278
Issued On 03.13.2015 10:15 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZIP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #56	**Gross**	3/13/2015 10:15:45 AM
Plate No.	AS521B	**Tare**	3/13/2015 10:06:15 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	91,760	29,560	62,200	31.10	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63110

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63110

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013013258	est. 22 TON
		~~Grid: WC4 (8.12)~~		
		Grid #4 WC-5 (8'-12')		
			91760	
			29560	
			3110	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME PAUL MILANESI
DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ TRUCKING
ADDRESS: 490 UNION AVE BELLEVILLE NJ
PHONE NO.: (973) 979-0100

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AG 521B	NJ	#5		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE
PRINT DRIVER'S NAME Donovan C. Scancelli
DATE 03-13-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave, Prospect Park, NJ 07508
PHONE NO.: 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME
DATE 3/13/15

Weight Ticket

Ticket No. 37279
Issued On 03.13.2015 10:21 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING #36	Gross	3/13/2015 10:21:27 AM
Plate No.	AN843J	Tare	3/13/2015 10:11:35 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)	Net Price
Clean Fill	100,180	29,580	70,600	35.30	0.00	
TOTAL						

Fill Zone: IX-S
Remarks: MANIFEST #63111

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63111

Job/Project # 109053 K-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 8858	Est. 22 tons
		~~Grid. WC4 (8-12')~~		
		Grid #4 WC-5 (8-12')		100.80
				29.50
				35.30

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ
ADDRESS:
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN843J	NJ	36		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME LUIS AGUILAR
DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave, Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 3/13/15

Weight Ticket

Ticket No. 37280
Issued On 03.13.2015 10:26 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #1	**Gross**	3/13/2015 10:26:08 AM
Plate No.	AR903C	**Tare**	3/13/2015 10:17:16 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	95,580	29,680	65,900	32.95	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63112

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63112

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 3258	est. 22 TONS
		~~Grid: WC4 (8-12)~~ NA		
				95580
		Grid #4 WC-5 (8'-12')		
				29680
				32.95

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME PAUL MILIANESI

DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez #1

ADDRESS 490 Union Ave Belleville NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AR903C	NJ.			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME Merlon Lopez

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME

DATE 3/13/15

Weight Ticket

Ticket No. 37332
Issued On 03.13.2015 01:08 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZIP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #11	**Gross**	3/13/2015 1:08:07 PM
Plate No.	AR904C	**Tare**	3/13/2015 12:52:43 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	92,720	29,580	63,140	31.57	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63113

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63113

Job/Project # 109053 #18-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 0258	est. 22 ton
		~~Grid: WC4 (8-12)~~		
		Grid #4 WC-5 (8-12')		
				92720
				29580
				21.57

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME
ADDRESS
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AR904C	NJ	# 11		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Marcelo Siguencia
DATE 3-13-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
PPark NJ, LLC

ADDRESS
100 Planten Ave
Prospect Park, NJ 07508

PHONE NO.
973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 3/13/15

Weight Ticket

Ticket No. 37341
Issued On 03.13.2015 01:25 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ	**Gross**	3/13/2015 1:25:42 PM
Plate No.	AP864P	**Tare**	3/13/2015 1:17:33 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	85,920	29,260	56,660	28.33	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63114

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63114

Job/Project # 109053 5-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	01306 8258	est. 22 ton
		~~Grid: WC4 (8-12)~~		
		Grid #4 WC-5 (8-12')	85920	
			29260	
			28-33	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ
ADDRESS 490 UNION AV BELLEVILLE NJ
PHONE NO. (973)979-0100

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
67 AP864P	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Celso Alvaros
DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC
ADDRESS 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 3/13/15

Weight Ticket

Ticket No. 37364
Issued On 03.13.2015 02:22 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #31	Gross	3/13/2015 2:22:32 PM
Plate No.	AP305X	Tare	3/13/2015 2:08:57 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	89,040	28,060	60,980	30.49	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63115

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63115

Job/Project # 109053 #15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015-6658	281.22 TONS
		~~Grid: WC4 (8-12')~~		
			8 CY	0.40
		Grid #4 WC-5 (8-12')		
				28.60
				30.49

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME PAUL MILANESI

DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP305X	NJ	31		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME ANDRES

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME [signature]

DATE 3/13/15

Weight Ticket

Ticket No. 37351
Issued On 03.13.2015 01:50 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZIP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #56	**Gross**	3/13/2015 1:50:14 PM
Plate No.	AS521B	**Tare**	3/13/2015 1:40:18 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	85,380	29,420	55,960	27.98	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63116

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63116

Job/Project # 109053 3/15/2017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 B268	285.38 TONS
		~~Grid: WL4 (8-12)~~		
		Grid #4 WL-5 (8-12')		85.380
				284.20
				27.98

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME PAUL MILANESI

DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING	490 UNION AVE BELLMR	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS 521B	NJ	56		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME ORIOVALDO C. SCAIZGIK

DATE 03-13-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME [signature]

DATE 3/13/17

Weight Ticket

Ticket No. 37355
Issued On 03.13.2015 03:01 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	**Job**	15-017
Address	14 Brick Kiln Court	**PO #**	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #83	**Gross**	3/13/2015 3:01:12 PM
Plate No.	AL337N	**Tare**	3/13/2015 1:47:52 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	99,200	29,540	69,660	34.83	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63117

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63117

Job/Project # 109053

15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	0130158268	Est. 22 Tons
		~~Grid WC4 (8-12')~~		
				22800
		Grid #4 WC-5 (8-12')		
				2540
				2483

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME PAUL MILANESI
DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME | ADDRESS | PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AL337N #83	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE
PRINT DRIVER'S NAME CARLOS TINITANA
DATE 3/13/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
PPark NJ, LLC

ADDRESS
100 Planten Ave
Prospect Park, NJ 07508

PHONE NO.
973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME
DATE 3/13/15

Weight Ticket

Ticket No. 37365
Issued On 03.13.2015 03:04 PM

PARK
RECLAIM & FLOURISH

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZIP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING #36	Gross	3/13/2015 3:04:26 PM
Plate No.	AN843J	Tare	3/13/2015 2:10:36 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	94,860	29,460	65,400	32.70	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63118

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63118

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	013015 8358	est 22 TONS
		~~Grid: WC4 (8-12')~~		
		Grid #4 WC-5 (8-12')	94 Sleo.	
			94 Sleo	
			2 70	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME PAUL MILANESI
DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ TRUCKING INC
ADDRESS:
PHONE NO.: ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN843J	NJ	36		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE
PRINT DRIVER'S NAME LUIS AGUILAR
DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO.: 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME
DATE 3/13/15

Weight Ticket

Ticket No. 37368
Issued On 03.13.2015 02:27 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZIP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #1	Gross	3/13/2015 2:27:15 PM
Plate No.	AR903C	Tare	3/13/2015 2:19:17 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	91,720	29,540	62,180	31.09	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #63119

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 63119

Job/Project # 109053 #15-017.

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	018015-0258	est. 22 Tons
		~~Grid WCM (8-12')~~		
		Grid #4 WC-5 (8-12')		
				91720
				29540
				21.09

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-13-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez #1
ADDRESS: 490 Union Ave Belleville NJ.
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A12903C	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Marlon E Lopez
DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave, Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 3/13/15

Environmental Waste Minimization, Inc.

EIN#: 23-2827092
14 Brick Kiln Court
Northampton, PA 18067

Invoice

Date	Invoice #
3/23/2015	203688

Environmental Waste Minimization, Inc.
EWMI

EVERY JOB SAFETY EVERY DAY

Bill To
Dynatec Contracting ATTN: Accounts Payable 25-52 Crescent Street Astoria, NY 11102

Terms	Due Date	Rep	P.O. No.
Net 45	5/7/2015	JKS	Bushwick Place

Quantity	Description	Rate	Amount
	Date of Service 3/147-3/20/15 -Quote# 109053 - Bushwick Pl, Brooklyn NY		
429.09	NJ Res Soil to Ppark	27.50	11,799.98
61.01	15%-20% Moisture	6.00	366.06

Subtotal	$12,166.04
Sales Tax (0.0%)	$0.00
Payments/Credits	$0.00
Balance Due	**$12,166.04**

Thank you for your business!

Phone #	E-mail	Web Site
484-275-6903	dfox@ewmi-info.com	www.ewmi.com

For your convenience, we accept Visa, Mastercard and American Express

Total # of Loads:	13	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	396.47	Light Load Surcharge Tonnage:	0
Average Tons per Load:	30.4976923	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons
1	3/17/2015	Mendez	97	PPark			47016	30.25
2	3/17/2015	Mendez	44	PPark			47013	30.76
3	3/17/2015	Mendez	11	PPark			47012	30.89
4	3/17/2015	Mendez	45	PPark			47014	31.53
5	3/17/2015	Mendez		PPark			47015	28.99
6	3/17/2015	Mendez	1	PPark			47017	31.82
7	3/17/2015	Mendez	44	PPark			47020	31.40
8	3/17/2015	Mendez	11	PPark			47019	31.26
9	3/17/2015	Mendez		PPark			47022	31.44
10	3/17/2015	Mendez	45	PPark			47018	31.66
11	3/17/2015	Mendez	97	PPark			47021	24.28
12	3/17/2015	Mendez	1	PPark			47026	27.50
13	3/17/2015	Mendez	55	PPark			47025	34.69
14								
15					20% Moisture Surcharge=61.01/Tons			
16								
17								
18								
19								
20								
21								
22								

Weight Ticket

Ticket No. 37534
Issued On 03.17.2015 10:08 AM

PARK
RECLAIM & FLOURISH

PPark
100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	Gross	3/17/2015 10:08:18 AM
Plate No.	AP791H	Tare	3/17/2015 9:51:05 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
EWMI Surcharge - 20% Moisture	92,480	31,980	60,500	30.25	0.00
Clean Fill	92,480	31,980	60,500	30.25	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #47016 - 15% MOISTURE

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47016 #15-017.

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
		GRID #4		
		WC-5 (8'-12') ✓	92480	
			31980	
				20.25

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Morales 97
ADDRESS Bellville
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP791H	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed heroupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Todd
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC
ADDRESS 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 3/17/15

Weight Ticket

Ticket No. 37538
Issued On 03.17.2015 10:16 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Bocrum Place
City, State, ZIP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

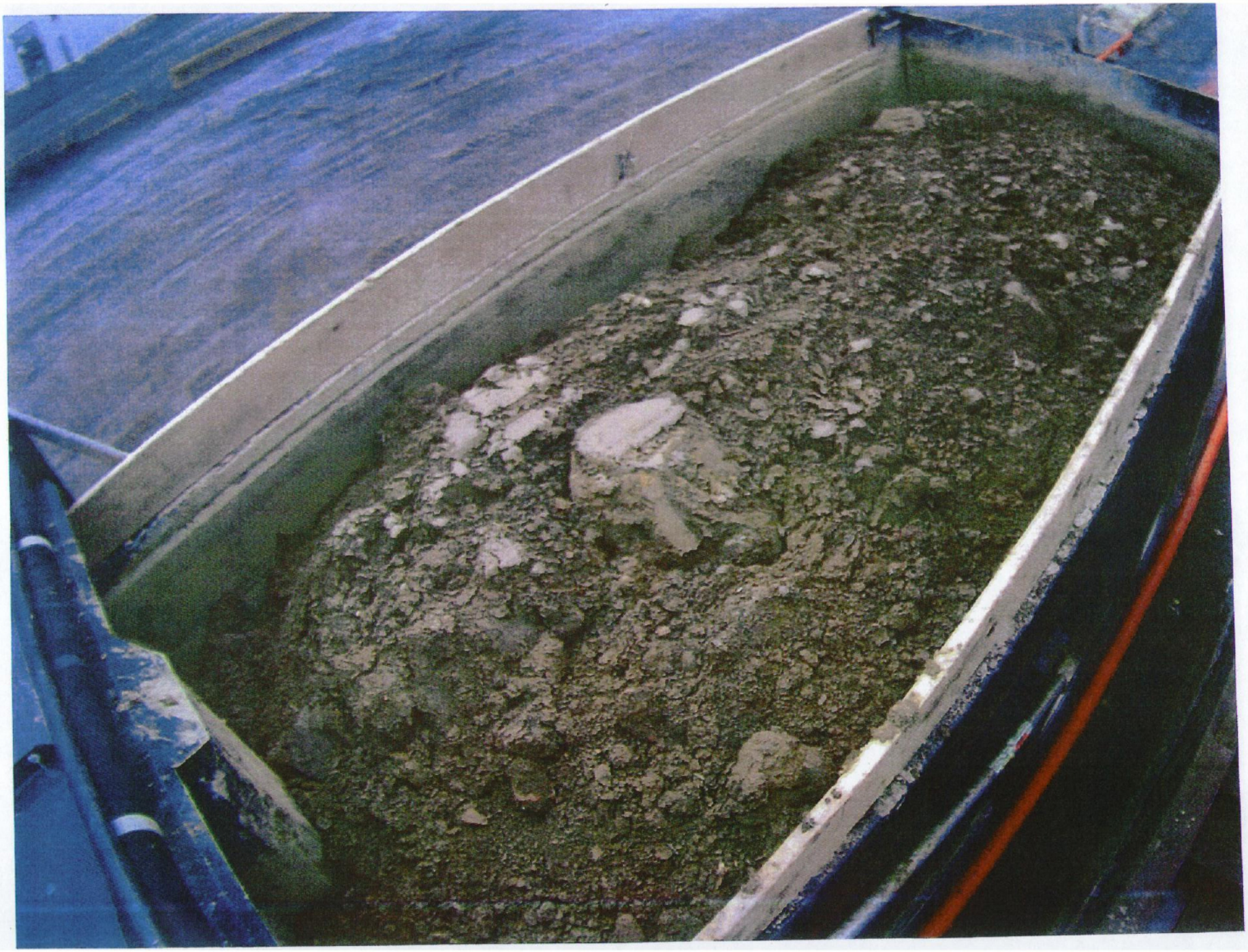
Truck		Date and Time	
Hauler Name	MENDEZ #44	Gross	3/17/2015 10:16:14 AM
Plate No.	AS530D	Tare	3/17/2015 10:03:50 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
EWMI Surcharge - 20% Moisture	90,720	29,200	61,520	30.76	0.00
Clean Fill	90,720	29,200	61,520	30.76	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #47013 - 15% MOISTURE

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47013

Job/Project # 109053

#15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
				90.130
		GRID #4		
		WC-5 (8'-12')		26.200
				30.76

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI

DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING	490 UNION AVE Belleville NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A5530D	NJ	44		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Luis Tello

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME

DATE 3/17/15

Weight Ticket

Ticket No. 37537
Issued On 03.17.2015 10:14 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZIP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

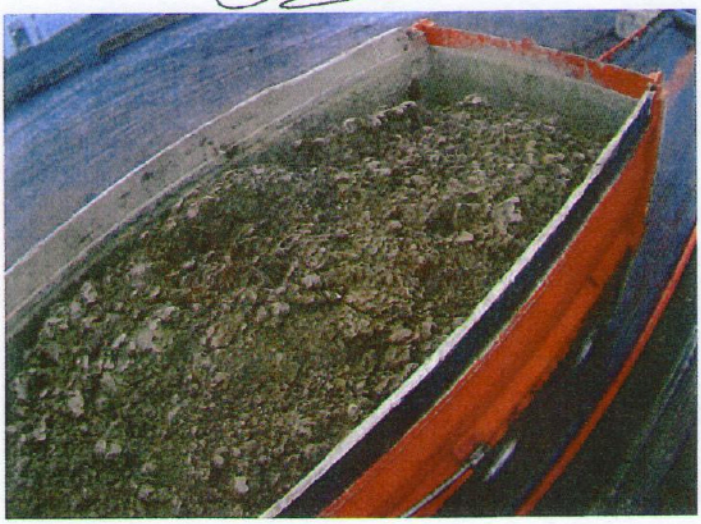
Truck		Date and Time	
Hauler Name	MENDEZ #11	Gross	3/17/2015 10:14:40 AM
Plate No.	AR904C	Tare	3/17/2015 9:59:11 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	91,280	29,500	61,780	30.89	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #47012 - 11% MOISTURE

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47012

Job/Project # 109053 15-01-1

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
			91280	
		GRID #4	29000	
		WC-5 (8'-12')	20.89	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
		( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AR904C	NJ	# 11		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Marcelo Siqueira
DATE 3/17/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 3/17/15

Weight Ticket

Ticket No. 37543
Issued On 03.17.2015 10:28 AM

PARK
RECLAIM & FLOURISH

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #45	Gross	3/17/2015 10:28:11 AM
Plate No.	AS531D	Tare	3/17/2015 10:17:44 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	91,900	20,040	63,060	31.53	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #47014 - 13% MOISTURE

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47014

Job/Project # 109053 #15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
			91900	
		GRID #4		
		WC-5 (8'-12') /	28840	
				31.53

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez
ADDRESS: 490 Union Rd
PHONE NO.: ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS 531D	N.J	45		3-17-15

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Jorge Acevedo
DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO.: 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME [signature]
DATE 3/17/15.

Weight Ticket

Ticket No. 37545
Issued On 03.17.2015 10:35 AM

PARK
RECLAIM & FLOURISH

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #24	Gross	3/17/2015 10:35:43 AM
Plate No.	AP690W	Tare	3/17/2015 10:25:08 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	85,660	27,680	57,980	28.99	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #47015

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47015 #15-017.

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
			8260.	
		GRID#4		
		WC-5 (8'-12')	27680	
			28.99	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ TRUCKING
ADDRESS: BELLEVILLE NJ
PHONE NO. ( ) -

VEHICLE I.D. NO. A8690W
STATE NJ
BOX NUMBER-IN
BOX NUMBER-OUT
COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME DEREK TABORDA
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 3/17/15

Weight Ticket

Ticket No. 37547
Issued On 03.17.2015 10:38 AM

PARK
RECLAIM & FLOURISH.

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #1	Gross	3/17/2015 10:38:12 AM
Plate No.	AR903C	Tare	3/17/2015 10:29:03 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	93,400	29,760	63,640	31.82	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #47017

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47017

Job/Project # 109053

15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
		GRID #4 WC-5 (8'-12')	93	400
				29760
				3182

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME PAUL MILANESI

DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez #1

ADDRESS 490 Union Ave Belleville

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A2903C	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME Marlon Lopez

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME

DATE 3/17/15

Weight Ticket

Ticket No. 37584
Issued On 03.17.2015 01:46 PM

PARK
RECLAIM & FLOURISH

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #44	Gross	3/17/2015 1:46:38 PM
Plate No.	AS530D	Tare	3/17/2015 1:35:38 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	91,820	29,020	62,800	31.40	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #47020

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47020

Job/Project # 109053 #15.017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
		GRID #4 WC-5 (8'-12')		91820
				29020
				31.40

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI

DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ TRUCKING
ADDRESS: 490 UNION AVE Belleville
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A5530D	NJ	44		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Luis Tello
PRINT DRIVER'S NAME LUIS TELLO

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC
ADDRESS: 100 Planten Ave, Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME [signature]

DATE 3/17/15

Weight Ticket

Ticket No. 37585
Issued On 03.17.2015 01:48 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #11	Gross	3/17/2015 1:48:24 PM
Plate No.	AR904C	Tare	3/17/2015 1:38:19 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	92,060	29,540	62,520	31.26	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #47019

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47019

Job/Project # 109053 15.017.

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
		GRID #4 WC-5 (8'-12')	92060	
			29540	
				31.26

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AR904C	NJ	# 11		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Marcelo Siqueira
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
PPark NJ, LLC

ADDRESS
100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME [signature]
DATE 3/17/15

Weight Ticket

Ticket No. 37588
Issued On 03.17.2015 02:11 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	TORITO TRUCKING	Gross	3/17/2015 2:11:07 PM
Plate No.	AP640W	Tare	3/17/2015 2:00:20 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	90,440	27,560	62,880	31.44	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #47022

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47022

Job/Project # 109053

15-017.

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
		GRID #4 WC-5 (8'-12')		90440. 27560 31.44.

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME PAUL MILANESI

DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING	BELLEVILLE NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP690W	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE
PRINT DRIVER'S NAME ROBERT TABORDA

DATE 3-17-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME

DATE 3/17/15

Weight Ticket

Ticket No. 37591
Issued On 03.17.2015 02:18 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn
Truck		**Date and Time**	
Hauler Name	MENDEZ #45	Gross	3/17/2015 2:18:04 PM
Plate No.	AS531D	Tare	3/17/2015 2:05:54 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	92,160	28,840	63,320	31.66	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #47018

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47018

Job/Project # 109053 15-017.

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
		GRID#4 WC-5 (8'-12')	92160	
			28840	
			31.66.	

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez	490 Union AV	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS 531D	NJ	45		3-17-15

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Jorge Acevedo
DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 3/17/15

Weight Ticket

Ticket No. 37594
Issued On 03.17.2015 02:21 PM

PARK
RECLAIM & FLOURISH

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn
Truck		**Date and Time**	
Hauler Name	MENDEZ TRUCKING	Gross	3/17/2015 2:21:35 PM
Plate No.	AP791H	Tare	3/17/2015 2:10:11 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	80,440	31,880	48,560	24.28	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #47021

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47021

Job/Project # 109053 #15017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
		GRID #4 WC-5 (8'-12')		8640 31880 24.28'

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez 97
ADDRESS Bellevill.
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP791H				

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Todd
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC
ADDRESS 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME [signature]
DATE 3/17/15

Weight Ticket

Ticket No. 37597
Issued On 03.17.2015 02:30 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn
Truck		**Date and Time**	
Hauler Name	MENDEZ #1	Gross	3/17/2015 2:30:25 PM
Plate No.	AR903C	Tare	3/17/2015 2:20:40 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	84,940	29,940	55,000	27.50	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #47026

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47026 #15-017

Job/Project # 109053

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
		GRID #4 WC-5 (8'-12')		24940
				29940
				27.50

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI

DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez #1

ADDRESS 490 Union Ave Belleville NJ.

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A12903 C	NJ.			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Marlon Lopez

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ LLC

ADDRESS 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME

DATE 3/17/15

Weight Ticket

Ticket No. 37601
Issued On 03.17.2015 03:48 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #55	Gross	3/17/2015 3:48:44 PM
Plate No.	AS520B	Tare	3/17/2015 3:02:47 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	98,320	28,940	69,380	34.69	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #47025

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47025

Job/Project # 109053 15-017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
		GRID #4 WC-5 (8'-12')		98320
				28940.
				34.69

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME PAUL MILANESI
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ TRUCKING
ADDRESS 490 UNION AVE BELLEVILLE, NJ 07109
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
#55 AS520B	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME CARLOS CORREA
DATE 3-17-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark N.J. LLC
ADDRESS 100 Planten Ave Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 3/17/15

Total # of Loads:	1	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	32.62	Light Load Surcharge Tonnage:	0
Average Tons per Load:	32.62	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons
1	3/8/2015	Mnedez	22	PPark			47027	32.62
2								
3								
4								
5								

Weight Ticket

Ticket No. 37635
Issued On 03.18.2015 09:16 AM

PARK
RECLAIM & FLOURISH

PPark
100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	83 Bushwick Place
Name	Environmental Waste Minimization Inc.	Job	15-017
Address	14 Brick Kiln Court	PO #	PO #109053
		Address	221 Boerum Place
City, State, ZiP	Northampton, PA 18067	City, State, Zip	11206 Brooklyn

Truck		Date and Time	
Hauler Name	MENDEZ #22	Gross	3/18/2015 9:16:10 AM
Plate No.	AP874P	Tare	3/18/2015 9:09:08 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	94,780	29,540	65,240	32.62	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #47027

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 47027

Job/Project # 109053 15017

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

Bushwick Place Venture LLC
850 Third Ave, Suite 16-B
New York, NY 10022

Site Address:
221 Boerum Place
Brooklyn, NY 11206

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil		
		Grid # 4 (8-12)		94780
				29540
				32.62

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mehmet Yaşar

DATE 3/18/2015

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez Trucking

ADDRESS: Belleville

PHONE NO.: (973) 979-0100

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP874P # 22	NJ.			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Mesias Romero

DATE 3-18-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO.: 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 3/18/15

Appendix 11

OER Backfill and Vapor Barrier Acceptance

From: Morris, Samantha
To: Morgan Violette; Moore, Hannah
Subject: RE: 83 Bushwick Pl - soil for import
Date: Monday, May 18, 2015 4:48:14 PM

Thanks Morgan,

OER has no issues with the import of RCA with only incidental fines.

Sincerely,

Samantha Morris

Project Manager
Office of Environmental Remediation
100 Gold Street, 2nd Floor
New York, New York 10038
SMorris@dep.nyc.gov
(212) 341-2082

From: Morgan Violette [mailto:mviolette@hydrotechenvironmental.com]
Sent: Monday, May 18, 2015 4:25 PM
To: Morris, Samantha; Moore, Hannah
Subject: RE: 83 Bushwick Pl - soil for import

Samantha and Hannah,
Please review this analytical and sieve data from Evergreen Recycling. These results are pretty recent. Let me know if a letter from Evergreen is required.

From: Morgan Violette
Sent: Monday, May 18, 2015 3:18 PM
To: smorris@dep.nyc.gov; Moore, Hannah
Subject: 83 Bushwick Pl - soil for import

Samantha and Hannah,
Please review the attached sieve analyses for consideration for materials to be brought onsite from Maspeth recycling. This material will only be used around the sides of the building between the concrete walls and the soil under the sidewalk. The client does not want to pay for testing.

Thanks
Morgan

Morgan Violette
Project Geologist

Hydro Tech Environmental, Corp.
15 Ocean Avenue, 2nd Floor

Brooklyn, NY 11225
Tel: (718) 636-0800
Cell: (631) 406-3711
Fax: (718) 636-0900

Long Island Office:
77 Arkay Drive, Suite G
Hauppauge, NY 11788
Tel: (631) 462-5866
Fax: (631) 462-5877

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit http://www.symanteccloud.com

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From: Morris, Samantha
To: Morgan Violette
Cc: Chawla, Shaminder
Subject: RE: 83 Bushwick Place - vapor barrier
Date: Tuesday, March 24, 2015 11:03:04 AM

Hi Morgan,

We can accept this change in the vapor barrier manufacturer. I just ask that you include this in the "deviations from the RAP" section of the RAR.

Sincerely,

Samantha Morris

Project Manager
Office of Environmental Remediation
100 Gold Street, 2nd Floor
New York, New York 10038
SMorris@dep.nyc.gov
(212) 341-2082

From: Morgan Violette [mailto:mviolette@hydrotechenvironmental.com]
Sent: Tuesday, March 24, 2015 9:35 AM
To: Morris, Samantha
Subject: 83 Bushwick Place - vapor barrier

Hi Samantha,

The vapor barrier written in the RAWP for this project is the 46-mil Preprufe 300R waterproofing membrane to be installed beneath the footing slab, and the 32-mil Preprufe 160R waterproofing membrane.

The general contractor has purchased VaporBlock PLUS instead (manufacturer's specs attached). I believe this should be ok and is comparable and water is not an issue, as we did not encounter any water during excavation.

Let me know soon, thanks.

Morgan Violette
Project Geologist

Hydro Tech Environmental, Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225
Tel: (718) 636-0800
Cell: (631) 406-3711

Fax: (718) 636-0900

Long Island Office:
77 Arkay Drive, Suite G
Hauppauge, NY 11788
Tel: (631) 462-5866
Fax: (631) 462-5877

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Appendix 12

Imported Backfill Purchase Receipts

529316

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

SCALE TICKET

Ticket Number: 100408087
Date: 8/5/2015 8:57 AM
Trucker: Two Cousins.10
Truck No.: dynatic
License No.:
Job No.:
Entered By: valba

Customer: CHARGE $250.00
Address:

Phone:

Job No

PRODUCT	YARDS/TONS
Outbound	
Clean Fill - Out	20.00

IVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY

FULL SIGNATURE—NO INITIALS

Paid by Mg

EVERGREEN RECYCLING
127-50 NORTHERN BVLD
FLUSHING, NY 11368
718-446-7000

SALE

Store: 1 Term: 0001
REF#: 00000010
Batch #: 377 RRN: 521712003523
08/05/15 08:56:25
Trans ID: 465217465856920
APPR CODE: 065608
VISA Manual CP
**********9570 **/**

AMOUNT $250.00

APPROVED

CUSTOMER COPY

83 Bushwick Place - clean fill 20cy receipt on 8.4.15.pdf Open

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

529122

SCALE TICKET

Ticket Number: 100407896
Date: 8/4/2015 12:13 PM
Trucker: Two Cousins
Truck No.: 18
License No.:
Job No.:
Entered By: maicoa

Customer: CHARGE $250.00
Address:
Phone:
Job No dynatic

PRODUCT	YARDS	TONS
Outbound Clean Fill - Out	20.00	

VERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY FERNANDO

FULL SIGNATURE—NO INITIALS

EVERGREEN RECYCLING
127-50 NORTHERN BVLD
FLUSHING, NY 11368
718-446-7000

Paid by MY

SALE

Store: 1 Term: 0001
REF#: 00000013
Batch #: 376 RRN: 521616001801
08/04/15 12:09:10
Trans ID: 0804MPLF99M5I
APPR CODE: 004396
MASTERCARD Manual CP
**********3860 **/**

AMOUNT $250.00

APPROVED

CUSTOMER COPY

3 of 8 items

EVERGREEN RECYCLING
127-30 NORTHERN BVLD
FLUSHING, NY 11368
718-446-7000

SALE

Store: 1 Term: 0001
Batch #: 351 REF#: 00000020
07/06/15 RRN: 518713005558
09:21:18
Trans ID: 070615PLGSHZ5H
APPR CODE: 006120
MASTERCARD
**********3860 Manual CP

AMOUNT **$250.00**

APPROVED

CUSTOMER COPY

...cling of Corona Inc.
...rn Blvd.
...11368
...lets Point Blvd.
...x: 718-205-8202

522201

SCALE TICKET

Ticket Number:
Date: 100401150
Trucker: 7/6/2015 9:25 AM
Truck No.: Two Cousins
License No.: 18
Job No.:
Entered By:

250.00

TONS

1 - Out 15.00

CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY

FERNANDO

FULL SIGNATURE—NO INITIALS

917 412 5 ...

221 Boerum

510482

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

SCALE TICKET

Ticket Number: 100391361
Date: 5/27/2015 6:09 AM
Trucker: Two Cousins
Truck No.: 03
License No.:
Job No.:
Entered By:

Customer:
Address: CHARGE $250.00
Phone:

PRODUCT	TONS
Outbound Clean Fill - Out	20.00

CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY

Ricardo

FULL SIGNATURE—NO INITIALS

paid by MY

EVERGREEN RECYCLING
127-50 NORTHERN BVLD
FLUSHING, NY 11368
718-446-7000

SALE

Store: 1 Term: 0001
REF#: 00000002
Batch #: 319 RRN: 514710204463
05/27/15 06:18:41
Trans ID: 0527MPLLEVM5J
APPR CODE: 027157
MASTERCARD Manual CP
**********3860 **/**

AMOUNT $250.00

APPROVED

CUSTOMER COPY

510608

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

SCALE TICKET

Ticket Number:
Date: 100391486
Truck 6/27/2015 10:01 AM
Truck No.: Two Cousins
License No.: 3
Job No.:
Entered By:

Customer:
Address: CHARGE $250.00

Phone:

Job No dynatec
PRODUCT

valba
TONS

TARE

Outbound
Clean Fill - Out 20.00

CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY

FULL SIGNATURE—NO INITIALS

EVERGREEN RECYCLING
127-50 NORTHERN BVLD
FLUSHING, NY 11368
718-446-7000

paid by NY

SALE

Store: 1 Term: 0001
REF#: 00000013
Batch #: 319 RRN: 514714405949
05/27/15 10:00:44
Trans ID: 0527MPLGUUGNW
APPR CODE: 027109
MASTERCARD Manual CP
**********3860 **/**

AMOUNT $250.00

APPROVED

CUSTOMER COPY

510665

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

SCALE TICKET

Ticket Number: 100391543
Date: 5/27/2015 12:00 PM
Truck No.: Two Cousins
License No.: 14
Job No.:
Entered By:

Customer:
Address: CHARGE $250.00

Phone:

PRODUCT	TONS
Outbound	
Clean Fill - Out	20.00

CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY

FULL SIGNATURE—NO INITIALS

Paid by MY

EVERGREEN REC...
127-50 NORTHERN BV...
FLUSHING, NY 11368
718-446-7000

SALE

Store: 1 Term: 0001
REF#: 00000019
Batch #: 319 RRN: 514715403097
05/27/15 11:56:31
Trans ID: 0527MPLKNY7GR
APPR CODE: 027261
MASTERCARD Manual CP
**********3860

AMOUNT $250.00

APPROVED

CUSTOMER COPY

83 Bushwick Place - clean fill 40cy receipt on 5.22.15.pdf Open

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

509829

SCALE TICKET

Ticket Number:
Date: 100390708
Trucker: 22/2015 9:30 AM
Truck No.: Two Cousins
License No.: 3
Job No.:
Entered By:

Customer:
Address: CHARGE $250.00
Phone:

PRODUCT	TONS
Outbound Clean Fill - Out	20.00

CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY

FULL SIGNATURE—NO INITIALS

EVERGREEN RECYCLING
127-50 NORTHERN BVLD
FLUSHING, NY 11368
718-446-7000

paid by AM

SALE

Store: 1 Term: 0001
REF#: 00000014
Batch #: 316 RRN: 514210400108
05/22/15 09:30:29
Trans ID: 0522MPLGZEHOR
APPR CODE: 022223
MASTERCARD Manual CP
**********3860

AMOUNT $250.00

APPROVED

CUSTOMER COPY

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

509941

SCALE TICKET

Ticket Number:
Date: 100390920
Trucker: 22/2015 1:38 PM
Truck No.: Two Cousins 03
License No.: DIMATEC INC
Job No.:
Entered By:

Customer:
Address: CHARGE
Phone:

PRODUCT	TONS
Outbound Clean Fill - Out	20.00

CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY

FULL SIGNATURE—NO INITIALS

paid by MM

EVERGREEN RECYCLING
127-50 NORTHERN BVLD
FLUSHING, NY 11368
718-446-7000

SALE

Store: 1 Term: 0001
REF#: 00000021
Batch #: 316 RRN: 514217202439
05/22/15 13:34:24
Trans ID: 0522MPLF9QZ5I
APPR CODE: 022412
MASTERCARD Manual CP
**********3860

AMOUNT $250.00

APPROVED

CUSTOMER COPY

6 of 8 items

509501

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

SCALE TICKET

Ticket Number: 100390388
Date: 5/21/2015 8:45 AM
Truck No.: Two Cousins
License No.: 16
Job No.:
Entered By:

Customer:
Address: CHARGE $250.00
Phone:

PRODUCT	TONS
Outbound	
Clean Fill - Out	20.00

CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY
FERNANDO

FULL SIGNATURE—NO INITIALS

EVERGREEN RECYCLING
127-50 NORTHERN BVLD
FLUSHING, NY 11368
718-446-7000

paid by NY

SALE

Store: 1 Term: 0001
REF#: 00000009
Batch #: 315 RRN: 514112402176
05/21/15 08:44:35
Trans ID: 0521MPLGBILCK
APPR CODE: 021451
MASTERCARD Manual CP
**********3860 **/**

AMOUNT $250.00

APPROVED

CUSTOMER COPY

509508

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

SCALE TICKET

Ticket Number:
Date: 100390395
Truck: 5/21/2015 9:01 AM
Truck No.: Two Cousins
License No.: 12
Job No.:
Entered By:

Customer:
Address: CHARGE $250.00

Phone:

Job No dynatec

PRODUCT	TONS
Outbound	
Clean Fill - Out	20.00

CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY

FULL SIGNATURE—NO INITIALS

Paid by My

EVERGREEN RECYCLING
127-50 NORTHERN BVLD
FLUSHING, NY 11368
718-446-7000

SALE

Store: 1 Term: 0001
REF#: 00000010
Batch #: 315 RRN: 514112202847
05/21/15 08:46:31
Trans ID: 0521MPLPT7W5J
APPR CODE: 221451
MASTERCARD Manual CP
**********3860 **/**

AMOUNT $250.00

APPROVED

CUSTOMER COPY

509577

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

Paid by NY

SCALE TICKET

Ticket Number: 100390463
Date: 6/21/2015 11:23 AM
Truck No.: TWO COUSINS
License No.: DYNATEC
Job No.:
Entered By:

Customer:
Address: CHARGE
Phone:

Job No $ 250

PRODUCT	TONS
Outbound	
Clean Fill - Out	20.00

CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY FERNANDO

FULL SIGNATURE—NO INITIALS

509633

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

SCALE TICKET

Ticket Number:
Date: 100390516
Trucker: 5/21/2015 1:09 PM
Truck No.: Two Cousins
License No.: 12
Job No.:
Entered By:

Customer:
Address: CHARGE $250.00

Phone:

JOB NO. DONATED

PRODUCT	TONS
Outbound	
Clean Fill - Out	20.00

CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY

FULL SIGNATURE—NO INITIALS

Paid by MV

EVERGREEN REC
127-50 NORTHERN BVL
FLUSHING, NY 11368
718-446-7000

SALE

Store: 1 Term: 0001
REF#: 00000022
Batch #: 315 RRN: 514117600732
05/21/15 13:07:18
Trans ID: 0521MPLI025CK
APPR CODE: 021685
MASTERCARD Manual CP
**********3860 **/**

AMOUNT $250.00

APPROVED

CUSTOMER COPY

509116

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

SCALE TICKET

Ticket Number:
Date: 100390012
Truck 5/20/2015 8:43 AM
Truck No.: Two Cousins
License No.: 16
Job No.:
Entered By:

Customer:
Address: CHARGE $250.00
Phone:

Job No. Ticket Value

PRODUCT	TONS
	YARDS
Outbound	
Clean Fill - Out	20.00

CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY FERNANDO

FULL SIGNATURE—NO INITIALS

paid by MY

EVERGREEN RECYCLING
127-50 NORTHERN BVLD
FLUSHING, NY 11368
718-446-7000

SALE

Store: 1 Term: 0001
REF#: 00000009
Batch #: 314 RRN: 514012602230
05/20/15 08:43:47
Trans ID: 0520MPLP14GGR
APPR CODE: 020414
MASTERCARD Manual CP
**********3860 **/**

AMOUNT $250.00

APPROVED

CUSTOMER COPY

509157

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

SCALE TICKET

Ticket Number:
Date: 100396051
Trucker 20/2015 9:44 AM
Truck No.: Two Cousins.12
License No.:
Job No.:
Entered By:

Customer:
Address: CHARGE $250.00
Phone:

Job No. dynatec inc

PRODUCT	TONS
	YARDS
Outbound	
Clean Fill - Out	20.00

MERCHANT COPY CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY

FULL SIGNATURE—NO INITIALS

paid by MY

EVERGREEN RECYCLING
127-50 NORTHERN BVLD
FLUSHING, NY 11368
718-446-7000

SALE

Store: 1 Term: 0001
REF#: 00000011
Batch #: 314 RRN: 514013603339
05/20/15 09:41:21
Trans ID: 0520MPLBE2ZNW
APPR CODE: 020905
MASTERCARD Manual CP
**********3860 **/**

AMOUNT $250.00

APPROVED

CUSTOMER COPY

509315

Evergreen Recycling of Corona Inc.
127-50 Northern Blvd.
Flushing, NY 11368
YARD 35th Ave. Willets Point Blvd.
Tel: 718-205-8038 Fax: 718-205-8202

SCALE TICKET

Ticket Number:
Date: 100390207
Trucker: 20/2015 1:48 PM
Truck No.: Two Cousins
License No.: DYNATEC INC
Job No.:
Entered By:

Customer:
Address: CHARGE
Phone:

Job No. 6 [illegible]

PRODUCT	TONS
Outbound	
Clean Fill - Out	20.00

CURB DELIVERIES ONLY—OTHERS MADE ELSEWHERE SOLELY AT THE PURCHASER'S RISK

RECEIVED BY

FULL SIGNATURE—NO INITIALS

Paid by MLY

EVERGREEN RECYCLING
127-50 NORTHERN BVLD
FLUSHING, NY 11368
718-446-7000

SALE

Store: 1 Term: 0001
REF#: 00000029
Batch #: 314 RRN: 514017401689
05/20/15 13:44:51
Trans ID: 0520MPLEBUENN
APPR CODE: 020280
MASTERCARD Manual CP
**********3860 **/**

AMOUNT $250.00

APPROVED

CUSTOMER COPY

Ticket Number 308142

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Customer Name	
TRANSPOL	1156
168 Bayard Street Brooklyn NY 11222	

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	WHITE	BUSHWICH PLACE	3/18/2015 2:48:00PM

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature:

Ticket Number 308161

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Customer Name	
Misc CASH	994

CASH 20

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	TRANSPOL	BROOKLYN	3/18/2015 3:48:00PM

CASH 20

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature: _____

Ticket Number 308364

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Customer Name	
Misc CASH	994

CASH 10

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	TRANSPOL	BROOKLYN	3/19/2015 3:12:00PM

CASH 10

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature: _____

Ticket Number 310190

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Customer Name		
Misc CASH	994	CASH 10

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	TRANSPOL	BROOKLYN	3/31/2015 4:50:00PM

CASH 10

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature: _____

Ticket Number 310165

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Customer Name	
Misc CASH	994

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	TRANSPOL	BROOKLYN	3/31/2015 3:33:00PM

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature: _____

Ticket Number 310006

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Customer Name	
Misc CASH	994

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	TRANSPOL	BROOKLYN	3/31/2015 9:28:00AM

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature:_____

Ticket Number 309975

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Customer Name		
Misc CASH	994	CASH 10

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	WHITE	BROOKLYN	3/31/2015 8:03:00AM

CASH 10

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature:

Ticket Number 308484

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Customer Name	
Misc CASH	994

CASH 50

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	TRANSPOL	BROOKLYN	3/20/2015 10:35:00AM

CASH 50

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature: _____

Ticket Number 308413

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Customer Name		
Misc CASH	994	CASH 10

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	TRANSPOL	BROOKLYN	3/20/2015 7:35:00AM

CASH 10

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature: 2.5 tons

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Ticket Number: 309121

Customer Name	
Misc CASH	994

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	transpol	brooklyn	3/25/2015 3:33:00PM

cash 10

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature: Pete

Ticket Number 310129

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Customer Name		
Misc CASH	994	CASH 10

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	TRANPOL	BROOKLYN	3/31/2015 2:16:00PM

CASH 10

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature: Mike

Ticket Number 309071

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Customer Name		
Misc CASH	994	CASH 10

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	TRANSPOL	BROOKLYN	3/25/2015 1:12:00PM

CASH 10

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature:

Ticket Number 308325

Allocco Recycling, Inc.
540 Kingsland Avenue, NY 11222
718 349 3094

Customer Name	
Misc CASH	994

CASH 10

Quantity	Units	Material Name	Reference	Origin	Ticket Date
5.00	CU YD	Stone	TRANSPOL	BROOKLYN	3/19/2015 1:52:00PM

CASH 10

Operating hours 7AM to 5PM Monday thru Saturday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Signature: 7. Stec.

THANK YOU, WE APPRECIATE YOUR BUSINESS

08721

MASPETH RECYCLING

58-08 48TH STREET
MASPETH, NEW YORK 11378
(718) 628-1290

MR

QUALITY RECYCLED CONCRETE PRODUCTS

CUSTOMER	DATE	CUSTOMER TRUCK	LICENSE NO.	TIME	CUSTOMER P.O.
	3-18-15		P4028		

SOLD TO:

JOB LOCATION: TRANSPOL INC

DELIVER TO: Bushwick PL

PRODUCT DESCRIPTION

CODE	PRODUCT	CUBIC YARDS	$ PER CY	CODE	PRODUCT	CUBIC YARDS	$ PER CY
1	3/4" RECYCLE BLEND			14	DUMP CLEAN CONCRETE		
2	3/4" RECYCLE STONE	4 yd		14B	DUMP LARGE PIECES CONCRETE		
3	3/8" RECYCLE BLEND			14D	DUMP CONCRETE WITH STEEL		
12	SCREEN FILL			15	DUMP DIRT		
13	SAND			15A	DUMP MIX LOADS		
				16	DUMP ASPHALT		

HAULED BY CUSTOMER	DEL. BY	RECEIVED

FULL PAYMENT MUST BE REMITTED FOR THE ABOVE TONNAGE OR YARDAGE WITHOUT QUESTION, IF THIS IS SIGNED.

THANK YOU, WE APPRECIATE YOUR BUSINESS

08726

MASPETH RECYCLING

58-08 48TH STREET
MASPETH, NEW YORK 11378
(718) 628-1290

MR

QUALITY RECYCLED CONCRETE PRODUCTS

CUSTOMER	DATE	CUSTOMER TRUCK	LICENSE NO.	TIME	CUSTOMER P.O.
	3-18-15				

SOLD TO:

JOB LOCATION: TRANSPOLINS $70

DELIVER TO: BUSHWICK PL.

PRODUCT DESCRIPTION

CODE	PRODUCT	CUBIC YARDS	$ PER CY	CODE	PRODUCT	CUBIC YARDS	$ PER CY
1	3/4" RECYCLE BLEND			14	DUMP CLEAN CONCRETE		
2	3/4" RECYCLE STONE	4 yd		14B	DUMP LARGE PIECES CONCRETE		
3	3/8" RECYCLE BLEND			14D	DUMP CONCRETE WITH STEEL		
12	SCREEN FILL			15	DUMP DIRT		
13	SAND			15A	DUMP MIX LOADS		
				16	DUMP ASPHALT		

HAULED BY CUSTOMER	DEL. BY	RECEIVED

FULL PAYMENT MUST BE REMITTED FOR THE ABOVE TONNAGE OR YARDAGE WITHOUT QUESTION, IF THIS IS SIGNED.

Appendix 13

Vapor Barrier Purchase Receipts

ALMA BANK
28-31 31st Street, Astoria, NY 11102

CASHIER CHECK

CHECK NO. **101587**

DATE March 06, 2015

PAY ONLY THREE SEVEN FIVE NINE 3759 73 CTS CTS

AMOUNT *****$3,759.73

THREE THOUSAND SEVEN HUNDRED FIFTY-NINE DOLLARS AND SEVENTY-THREE CENTS ********** DOLLARS

Pay to the Order of: **STRONG MAN SAFETY PRODUCTS**

AUTHORIZED SIGNATURE

Dynatec Contracting Inc
MEMO

AUTHORIZED SIGNATURE

⑈101587⑈ ⑆026014384⑆ 9900000080⑈

ALMA BANK
28-31 31st Street, Astoria, NY 11102

CASHIER CHECK

CHECK NO. 101587

DATE March 06, 2015

PAY ONLY THREE SEVEN FIVE NINE 3759 73 CTS CTS

AMOUNT *****$3,759.73

THREE THOUSAND SEVEN HUNDRED FIFTY-NINE DOLLARS AND SEVENTY-THREE CENTS ********** DOLLARS

Pay to the Order of: STRONG MAN SAFETY PRODUCTS

NON-NEGOTIABLE
CUSTOMER COPY

Dynatec Contracting Inc
MEMO

Strong Man Safety Products

"Safety & Service is our Strength"

240 West Parkway, Pompton Plains, NJ 07444
973-831-1555 * 1-800-950-6999 * FAX 973-831-1525
www.strongman.com * sales@strongman.com
Distribution Centers in Pompton Plains, NJ & Houston, TX

Quote

NUMBER	DATE	PAGE
Q0005307	03/04/2015	1

SOLD TO
DYNATEC CONT.
ASTORIA, NY

SHIP TO
Dynatec Contracting, Inc
224 Boerum St
Brooklyn, NY 11206
* 718-721-6022 Leo

QUOTED TO	QUOTED BY	CUST NO.	PO NUMBER	EXPIRE DATE
Mehmet / Leo	donna	2	QUOTE - TBA	04/04/2015

SALESPERSON	TERMS	SHIP VIA	FREIGHT
Larry Finn	* COD-Credit Card *	Hermans	Prepay +

QUANTITY	ITEM NUMBER	DESCRIPTION	UNIT PRICE	UM	AMOUNT
6	VBP20	VaporBlock PLUS 20-Gold/White 20mil/Gold/White-10'x150'	463.5000	RL	2,781.00
6	TVBP4-1	Vapor Bond Plus Tape-1 roll 4" X 150' rolls- 1 roll	48.6500	EA	291.90
6	TP2BR- ROLL	Butyl Seal Tape -1 roll 2" x 50' roll - 1 roll	28.7500	EA	172.50
		General: Please note that sales tax included unless you can provide us with your Resale Certificate. A Capital Improvement Cert cannot be used since it is used by your customer.			
	+	Freight			211.30
	+	BROOKLYN SALES TAX @ 8.875%			288.03

For questions on this quote please contact:
Donna Phone: (973) 831-1555

We appreciate your business.

Merchandise	3,245.40
Add On Charg	499.33
Tax	0.00
Total Due	3,744.73