SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT

PARCELS F1 AND F2
Greenpoint Landing
41 Blue Slip
5 Blue Slip
Brooklyn, New York
OER Project Number # 15EH-N083K (Parcel F1)
OER Project Number # 15EH-N084K (Parcel F2)

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1.0 INTRODUCTION

Langan Engineering, Environmental, Survey and Landscape Architecture, D.P.C. (Langan) prepared this Supplemental Remedial Investigation Report on behalf of Greenpoint Storage Terminal, LLC (GST) for Parcels F1 and F2 of Block 2472, located at 41 Blue Slip and 5 Blue Slip, respectively, in Brooklyn, New York. The parcels are part of the Greenpoint Landing development project, which will eventually cover approximately 19 acres and is referred to herein as the "development property". The Project Number assigned by the New York City Office of Environmental Remediation (OER) is 15EH-N083K for Parcel F1 and that assigned for Parcel F2 is 15EH-N084K. An E-Designation for Hazardous Materials and Noise (E-138) was placed on Parcels F1 and F2 by the New York City Department of City Planning (DCP) as part of the May 11, 2005 Greenpoint-Williamsburg Rezoning (CEQR 04DCP003K).

The supplemental remedial investigation (RI) was completed in accordance with Langan's *Supplemental Remedial Investigation Work Plan, Greenpoint Landing – Parcels F1 and F2*, dated August 13, 2014, which was approved by the OER on August 15, 2014. The purpose of the supplemental remedial investigation program was to characterize soil, groundwater, and soil vapor quality and add to the existing data set presented in previous studies, including Langan's *Remedial Investigation Report for Parcels E3, D1, D2, F, G and H*, dated May 20, 2014. This report includes a description of sampling methodology, field observations, and a tabulated summary of laboratory analytical results. The report also includes a discussion of the results of previous soil, groundwater and soil vapor testing programs performed on Parcels F1 and F2.

2.0 BACKGROUND

2.1 Site Description

Parcel F1

Parcel F1 is located at 41 Blue Slip in the Greenpoint neighborhood of Brooklyn, New York. Parcel F1 is approximately 62,500 square feet with East River frontage. A site location map is presented as Figure 1. The Parcel F1 is currently vacant and paved and bound by the East River to the north, a vacant lot currently under construction (Lot 60 of Block 2472 [Parcel G2]) and a vacant lot occasionally used by a film production vehicle and truck rental company (Lot 100 of Block 2472 [Parcel G1] to the east, Commercial Street and a vacant lot (Lot 65 of Block 2472 [Parcel F2]) to the south, and the Newtown Barge Playground to the west. The elevation of Parcel F1 ranges from about el. 12 feet[1] near Commercial Street to about el. 7.5 feet near the East River. A site plan is presented as Figure 2.

Parcel F2

Parcel F2 is located at 5 Blue Slip in the Greenpoint neighborhood of Brooklyn, New York. Parcel F2 is approximately 21,000 square feet and fronts Commercial Street. A site location map is presented as Figure 1. The Parcel F2 is currently vacant and paved and bound by a vacant lot (Lot 50 of Block 2472 [Parcel F1]) to the north and east, Commercial Street to the south, and the Newtown Barge Playground to the west. The elevation of Parcel F1 ranges from about el. 12 feet near Commercial Street to about el. 10 feet near the western portion of the parcel. A site plan is presented as Figure 2.

2.2 Proposed Development

Parcel F1

The proposed development at Parcel F1 includes the construction of a 40-story residential tower with cellar (Building F1), a waterfront park/esplanade, and a private driveway. Building F1 will include approximately 415 market-rate housing units and three levels of aboveground parking. The cellar will be used for parking and may also be used for storage, amenity space

[1] Datum referenced is National Vertical Datum of 1988 Datum refers to the National Vertical Datum of 1988 (NAVD88) which is approximately 1.1 feet above mean sea level datum at Sandy Hook, New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).

and/or building systems (to be determined). The proposed development will require excavating Parcel F1 to a depth of up to about 10 feet below grade surface (bgs) to accommodate the new building and its foundation.

Parcel F2

The proposed development at Parcel F2 includes the construction of a 6-story low-rise mixed-use residential and commercial slab-on-grade building with no cellar (Building F2) and a courtyard. Building F2 will include approximately 103 affordable housing units. The proposed development will require excavating Parcel F2 to a depth of up to about 5 feet bgs to accommodate the new building and its foundation.

In addition, prior to the start of general construction, the New York City Department of Environmental Protection (NYCDEP) combined sewer overflow (CSO) and outfall located within Parcel G will be relocated to a new location through Parcels F1 and F2 (see Figure 2); this effort is anticipated to be completed shortly.[2]

3.0 SITE HISTORY

Parcels F1 and F2 were historically used for industrial activities including the transfer and storage of lumber, coal, and construction materials and equipment. Coal and lumber storage were the primary uses for more than 100 years from the late 1800s until approximately 1980. The lumber yard operations were phased out during the 1980s when the owner (Lumber Exchange Terminal, Inc.) began to lease Parcels F1 and F2 to tenants, including the New York City Housing Authority and construction contractors, to store materials and heavy equipment.

[2] The CSO project is filed under OER project number 14EHAN466K.

4.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

4.1 Phase II Environmental Site Investigations (AKRF 2001 and 2003)

AKRF, Inc. (AKRF) implemented a Phase II Environmental Site Investigation (ESI) and a supplemental Phase II ESI across the Greenpoint Landing development property in 2001 and 2003, respectively. Two soil borings (B5 and MW13A) and one monitoring well (MW13A) were completed on Parcel F1. One soil boring (MW14) and one monitoring well (MW14) were completed on the Parcel F2. Two soil samples were collected from each boring and monitoring well location for laboratory analysis, and one groundwater sample was collected from each monitoring well location for laboratory analysis.

The combined results of AKRF's Phase II ESIs are documented in a report titled "*Supplemental Subsurface (Phase II) Investigation Report – Greenpoint Lumber Yard, Brooklyn, New York*," dated April 2004. The soil and groundwater analytical results from AKRF's Phase II ESIs are provided in Figures 3 and 4, respectively. The results of the Phase II ESIs specific to the Parcels F1 and F2 are summarized below. Unless otherwise stated, any exceedance of the Unrestricted Use SCO(s) mentioned in the following text, did not exceed the applicable Restricted Use Restricted-Residential SCO(s) for the detected compound(s).

Parcel F1

1. The stratigraphy includes a surficial layer of historical fill material overlying native fine- to coarse-grained sandy soil and silty soil. Historical fill material generally extends from grade to about 10 feet below grade surface (bgs) and is composed of varying amounts of sand, silt, and gravel, and slag, coal, and wood fragments.

2. At soil boring B5, no volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), or pesticides exceeded their 6 NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs) in surface soil (2-4 feet bgs) and subsurface soil (5-7 feet bgs)[3]. Two metals (lead and zinc) exceeded their Unrestricted Use SCO (63 mg/kg and 109 mg/kg, respectively) at concentrations of 291 mg/kg and 129 mg/kg, respectively.

3. At soil boring MW13A, no VOCs exceeded their Unrestricted Use SCOs. Two SVOCs, both polycyclic aromatic hydrocarbons (PAHs), including benzo(b)fluoranthene and

[3] The subsurface soil sample collected at B5 was not analyzed for PCBs and pesticides.

indeno(1,2,3-c,d)pyrene, exceeded their Unrestricted Use and Restricted-Use Restricted Residential SCOs in surface soil (0.5-2 ft bgs). Seven SVOCs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene, exceeded their Unrestricted Use SCOs in subsurface soil (5-7 ft bgs). Six of these compounds (all except benzo(k)fluoranthene) also exceeded their Restricted-Residential Use SCOs. Total SVOCs were detected in surface soil at a concentration of 11.21 mg/kg, and at a concentration of 46.88 mg/kg in subsurface soil. Total PCBs exceeded their Unrestricted Use SCO (0.1 mg/kg), in surface soil only, at a concentration of 0.14 mg/kg. One pesticide, 4,4'-DDD, exceeded its Unrestricted Use SCO (0.0033 mg/kg) in subsurface soil at a concentration of 0.01 mg/kg. Two metals (lead and zinc) exceeded their Unrestricted Use SCOs in surface and subsurface soil.

4. At monitoring well MW13A, ten VOCs, all typical petroleum constituents (including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, benzene, ethylbenzene, *m/p* xylene, naphthalene, *o*-xylene, styrene, and toluene) exceeded their Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA waters. No SVOCs, PCBs, or pesticides exceeded their TOGS SGVs. Four metals (antimony, iron, manganese, and sodium) were detected in total concentrations above their TOGS SGVs. Three metals (iron, manganese, and sodium) were detected in dissolved concentrations above their respective TOGS SGVs.

Parcel F2

1. The stratigraphy includes a surficial layer of historical fill material overlying native fine- to coarse-grained sandy soil and silty soil. Historical fill material generally extends from grade to about 10 feet below grade surface (bgs) and is composed of varying amounts of sand, silt, and gravel, and slag, coal, and wood fragments.

2. At soil boring MW14, no VOCs, SVOCs, PCBs, or pesticides exceeded their Unrestricted Use SCOs. Arsenic exceeded its Restricted-Residential SCO (16 mg/kg) in surface soil (3-4 feet bgs) at a concentration of 39 mg/kg.
3. At monitoring well MW14, no VOCs, SVOCs, PCBs, or pesticides exceeded their TOGS SGVs. Four metals (antimony, iron, manganese, and sodium) were detected in total

concentrations above their TOGS SGVs. Three metals (iron, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs.

4.2 Area-Wide Remedial Investigation

Langan implemented an area-wide RI in 2013 on six development parcels (Parcels D1, D2, E3, F, G and H) in accordance with Langan's *Remedial Investigation Work Plan* (RIWP), dated July 24, 2013, which was approved by the OER on August 7, 2013. The area-wide remedial investigation was performed in a two-phased approach starting with a Phase 1 RI (geophysical survey and soil vapor sampling) and ending with a Phase 2 RI (soil and groundwater sampling).

The following scope of work was performed on Parcel F1

- Completion of a geophysical survey;
- Installation of one soil vapor sampling point (SV-11) and collection of one soil vapor samples for laboratory analysis;
- Installation of two soil borings (SB-21 and SB-22) and collection of five soil samples for laboratory analysis; and
- Installation of two monitoring wells (MW-21 and MW-22) and collection of four groundwater samples from newly installed and existing wells (MW13A and MW-28) for laboratory analysis.

The following scope of work was performed on the Parcel F2:

- Completion of a geophysical survey;
- Installation of one soil vapor sampling point (SV-7) and collection of one soil vapor samples for laboratory analysis;
- Installation of one soil boring (SB-18) and collection of two soil samples for laboratory analysis; and
- Installation of one monitoring well (MW-18) and collection of two groundwater samples from newly installed and existing wells (MW14) for laboratory analysis.

The results of Langan's area-wide Phase 1 RI and Phase 2 RI are documented in the "*Remedial Investigation Report for Parcels D1, D2, E3, F, G and H of Greenpoint Landing, Brooklyn, New York*," dated May 20, 2014. The soil, groundwater, and soil vapor analytical results for Parcels

F1 and F2 are presented in Figures 3, 4 and 5, respectively. The results of the area-wide RI specific to Parcels F1 and F2 are summarized below.

Parcel F1

1. The geophysical survey did not identify subsurface anomalies with reflections or signatures consistent with underground storage tanks (USTs).

2. The stratigraphy underlying Parcel F1 consists of a surficial layer of historical fill material overlying native fine- to coarse-grained sandy soil and silty soil. The surficial historical fill material generally extends from ground surface to about 10 feet bgs and is composed of varying amounts of sand, silt, gravel, coal, coal ash, cinders, slag, and brick, wood, concrete, and asphalt fragments. Depth to bedrock is expected to be more than 50 feet below existing site grades.

3. Groundwater elevation is about el. 1 feet based on measurements recorded during the RI. Depth to groundwater is about 7 feet below grade. Groundwater elevation data across the development property indicate the direction of groundwater flow is to the west towards the East River/Newtown Creek.

4. At soil boring SB-21, no VOCs, PCBs or herbicides were detected in soil above their Unrestricted Use SCOs. One SVOC (indeno(1,2,3-c,d)pyrene) exceeded its Unrestricted Use SCO in surface soil (0-2 feet bgs). Two pesticides (4,4'-DDD and 4,4'-DDE) exceeded their Unrestricted Use SCOs (0.0033 mg/kg) in surface soil only. Three metals (copper, lead, and zinc) exceeded their Unrestricted Use SCO in the surface soil. Lead also exceeded its Restricted-Residential SCO (400 mg/kg) in surface soil at a concentration of 770 mg/kg. Four metals (copper, lead, mercury, and zinc) exceeded their Unrestricted Use SCOs in subsurface soil (3.5-5.5 feet bgs). Mercury also exceeded its Restricted-Residential SCO (0.81 mg/kg) in subsurface soil at a concentration of 1.4 mg/kg.

5. At soil boring SB-22, three soil samples were collected from the intervals of 0-2 feet bgs, 3.5-5.5 feet bgs and 6-8 feet bgs. No PCBs were detected above the Unrestricted Use SCO and no herbicides were detected. One VOC, trichloroethene (TCE), was detected slightly above its Unrestricted Use SCO, but below its Restricted-Residential Use SCO, in the intermediate soil sample. Eight SVOCs, all PAHs, including

benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, and indeno(1,2,3-c,d)pyrene, were detected above their Unrestricted Use SCOs in surface soil. Seven of these PAHs, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene, also slightly exceeded their Restricted-Residential Use SCOs in surface soil. The total SVOC concentration detected in surface soil was 306.38 mg/kg. Seven PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene, exceeded their Restricted-Residential Use SCOs in intermediate soil. Total SVOCs in intermediate soil were detected at a concentration of 178.49 mg/kg. No SVOCs were detected above their Unrestricted Use SCOs in subsurface soil (6-8 feet bgs). This interval was collected from native soil. One pesticide (4,4-DDT) was detected above its Unrestricted Use SCO (0.0033 mg/kg), but below its Restricted-Residential Use SCO (7.9 mg/kg), at a concentration of 0.00705 mg/kg in surface soil only. Ten metals (arsenic, barium, beryllium, cadmium, trivalent chromium, copper, lead, mercury, nickel and zinc) were detected above their Unrestricted Use SCOs in surface soil, intermediate soil, and/or subsurface soil. Eight metals also exceeded their Restricted-Residential Use SCOs in subsurface soil, and are summarized below (Restricted Residential SCO is presented in parentheses):

- Arsenic concentrations ranging from 17 – 33 mg/kg in surface, intermediate and subsurface soil (16 mg/kg).
- Barium concentration of 550 mg/kg in surface soil only (400 mg/kg).
- Cadmium concentration of 22 mg/kg in intermediate soil (4.3 mg/kg).
- Copper concentration of 2,500 mg/kg in surface soil only (270 mg/kg).
- Lead concentrations ranging from 460 – 3,300 mg/kg in surface, intermediate and subsurface soil. The highest lead concentration was in surface soil (400 mg/kg).
- Mercury concentration of 2.2 mg/kg in intermediate soil (0.81 mg/kg).
- Nickel concentration of 320 mg/kg in surface soil only (310 mg/kg).
- Zinc concentrations ranging from 14,000 – 19,000 mg/kg in surface and intermediate soil (10,000 mg/kg).

6. At monitoring well MW-13A, no VOCs, PCBs, pesticides, or herbicides were detected in groundwater. One PAH, benzo(a)pyrene, was detected at a concentration of 0.13 µg/L. Five metals (iron, magnesium, manganese, selenium, and sodium) were detected in total concentrations above their TOGS SGVs, including:

    - Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 8,960 µg/L.
    - Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 108,000 µg/L.
    - Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 849.2 µg/L.
    - Selenium exceeded its TOGS SGV (10 µg/L) at total concentration of 18.7 µg/L.
    - Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 578,000 µg/L.

    Five metals were detected in dissolved concentrations above their TOGS SGVs, including:

    - Antimony exceeded its TOGS SGV (3 µg/L) at a dissolved concentration of 17.82 µg/L.
    - Magnesium exceeded its TOGS SGV (35,000 µg/L) at a dissolved concentration of 117,000 µg/L.
    - Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 750.4 µg/L.
    - Selenium exceeded its TOGS SGV (10 µg/L) at a dissolved concentration of 12.4 µg/L.
    - Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 571,000 µg/L.

7. At monitoring well MW-21, one VOC, p-isopropyltoluene, was detected in groundwater above its TOGS SGV (5 µg/L) at a concentration of 27 µg/L. No PCBs, pesticides, or herbicides were detected. Five PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, were detected at concentrations exceeding their TOGS SGVs. Benzo(a)pyrene was detected at a total concentration of 0.32 µg/L. Benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene exceeded their TOGS SGV (0.002 µg/L) at total concentrations of

0.3 µg/L, 0.18 µg/L, 0.33 µg/L, and 0.21 µg/L, respectively. Bis(2-ethylhexyl)phthalate also slightly exceeded its TOGS SGV (5 µg/L) at a concentration of 5.2 µg/L. Four metals (iron, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs, including:

- Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 11,100 µg/L.
- Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 53,900 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 987.8 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 304,000 µg/L.

Four metals (antimony, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs, including:

- Antimony exceeded its TOGS SGV (3 µg/L) at a dissolved concentration of 11.99.
- Magnesium exceeded its TOGS SGV (35,000 µg/L) at a dissolved concentration of 69,800 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 1,208 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 427,000 µg/L.

8. At monitoring well MW-22, no VOCs, PCBs, pesticides, or herbicides were detected in groundwater. Five PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, were detected at concentrations exceeding their TOGS SGVs. Benzo(a)pyrene was detected at a total concentration of 0.2 µg/L. Benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene exceeded their TOGS SGV (0.002 µg/L) at total concentrations of 0.13 µg/L, 0.11 µg/L, 0.12 µg/L, and 0.15 µg/L, respectively. Bis(2-ethylhexyl)phthalate was detected at a concentration also slightly exceeding its TOGS SGV (5 µg/L) at a concentration of 5.6 µg/L. Four metals (iron, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs, including:

- Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 1,970 µg/L.
- Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 43,400 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 1,023 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 310,000 µg/L.

Four metals (antimony, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs, including:

- Antimony exceeded its TOGS SGV (3 µg/L) at a dissolved concentration of 7.28.
- Magnesium exceeded its TOGS SGV (35,000 µg/L) at a dissolved concentration of 46,900 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 1,037 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 237,000 µg/L.

9. At monitoring well MW-28, no VOCs were detected in groundwater at concentrations above their TOGS SGVs. No PCBs, pesticides, or herbicides were detected. Five PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, were detected at concentrations exceeding their TOGS SGVs. Benzo(a)pyrene was detected at a total concentration of 0.15 µg/L. Benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene exceeded their TOGS SGV (0.002 µg/L) at total concentrations of 0.09 µg/L, 0.08 µg/L, 0.07 µg/L, and 0.12 µg/L, respectively. Four metals (iron, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs, including:

   - Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 33,500 µg/L.
   - Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 117,000 µg/L.
   - Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 902 µg/L.

- Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 352,000 µg/L.

Four metals (iron, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs, including:

- Iron exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 16,000.
- Magnesium exceeded its TOGS SGV (35,000 µg/L) at a dissolved concentration of 104,000 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 788.2 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 318,000 µg/L.

10. TCE exceeded its New York State Department of Health (NYSDOH) Air Guideline Value (AGV) of 5 µg/m^3 at a concentration of 338 micrograms per cubic (µg/m^3) at SV-11.

Parcel F2

1. The geophysical survey did not identify subsurface anomalies with reflections or signatures consistent with underground storage tanks (USTs).

2. The stratigraphy underlying Parcel F2 consists of a surficial layer of historical fill material overlying native fine- to coarse-grained sandy soil and silty soil. The surficial historical fill material generally extends from ground surface to about 10 feet bgs and is composed of varying amounts of sand, silt, gravel, coal, coal ash, cinders, slag, and brick, wood, concrete, and asphalt fragments. Depth to bedrock is expected to be more than 50 feet below existing site grades.

3. Groundwater elevation is about el. 2.5 feet based on measurements recorded during the RI. Depth to groundwater is about 10 feet below grade. Groundwater elevation data across the development property indicate the direction of groundwater flow is to the west towards the East River/Newtown Creek.

4. At soil boring SB-18, no VOCs, SVOCs, PCBs, or herbicides were detected in soil above their Unrestricted Use SCOs. The pesticide 4,4'-DDE was detected in surface soil (0-2 feet bgs) at a concentration of 0.0658 mg/kg, which exceeds its Unrestricted Use SCO (0.0033 mg/kg). Three metals (lead, mercury, and zinc) exceeded their Unrestricted Use SCOs in surface soil and subsurface soil (8-10 ft bgs). Arsenic exceeded its Restricted-Residential Use SCO (16 mg/kg) in subsurface soil at a concentration of 37 mg/kg. No other metals exceeded their Unrestricted Use SCOs in subsurface soil.

5. At monitoring well MW14, no VOCs were detected in groundwater above their TOGS SGVs. No PCBs, pesticides, or herbicides were detected. One PAH, benzo(k)fluoranthene, exceeded its TOGS SGV (0.002 µg/L) at a concentration of 0.07 µg/L. Three metals were detected in total concentrations above their TOGS SGVs, including:

   - Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 23,400 µg/L.
   - Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 2,996 µg/L.
   - Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 88,700 µg/L.

   Three metals were detected in dissolved concentrations above their TOGS SGVs, including:

   - Iron exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 12,300 µg/L.
   - Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 2,742 µg/L.
   - Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 79,600 µg/L.

6. At monitoring well MW-18, two VOCs, cis-1,2-dichloroethene and vinyl chloride, were detected above their TOGS SGVs (5 µg/L and 2 µg/L, respectively) at concentrations of 19 µg/L and 4.4 µg/L, respectively. No PCBs, pesticides, or herbicides were detected. Five PAHs exceeded their TOGS SGVs. Benzo(a)pyrene was detected at a total concentration of 0.14 µg/L. Benzo(b)fluoranthene,

benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene exceeded their TOGS SGV (0.002 µg/L) at total concentrations of 0.08 µg/L, 0.08 µg/L, 0.08 µg/L, and 0.11 µg/L, respectively. Five metals (iron, lead, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs, including:

- Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 16,100 µg/L.
- Lead exceeded its TOGs SGV (25 µg/L) at a total concentration of 77.7 µg/L.
- Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 42,200 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 8,792 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 493,000 µg/L.

Four metals (iron, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs, including:

- Iron exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 5,500 µg/L.
- Magnesium exceeded its TOGS SGV (35,000 µg/L) at a dissolved concentration of 40,500 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 7,620 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 440,000 µg/L.

7. TCE exceeded its New York State Department of Health (NYSDOH) Air Guideline Value (AGV) of 5 µg/m^3 at a concentration of 8.38 µg/m^3 at soil vapor point SV-7.

5.0 SUPPLEMENTAL REMEDIAL INVESTIGATION

The sampling methodology, field observations, and analytical results from the supplemental remedial investigation of Parcels F1 and F2 are presented below.

5.1 Sampling Methodology

5.1.1 Soil Vapor Investigation

Eight soil vapor sampling points (SV-25 to SV-32) were installed by AARCO Environmental Services Corp. (AARCO) of Lindenhurst, New York under the supervision of a Langan field geologist on August 22, 2014. Sampling points SV-27 to SV-32 were installed on Parcel F1. Sampling points SV-25 and SV-26 were installed on Parcel F2. In addition, one ambient air sample and one duplicate sample were collected and analyzed for quality assurance/quality control (QA/QC) purposes. A summary of the soil vapor and ambient air samples is presented in Table 1A. The locations were selected to characterize soil vapor quality across the Site, as well as to augment the existing subsurface data set. A GPS hand-held unit was used to record the position of all completed soil vapor locations. The soil vapor sampling locations are presented on Figure 6.

The soil vapor sampling points were installed using a track-mounted Geoprobe™ 75220DT drill rig. Soil borings were advanced using an expandable tip. No soil was extracted, and no soil samples were collected for laboratory analysis at the soil vapor sample locations. The soil vapor probes were installed at depths ranging from 5 to 6 feet bgs; in all instances, these depths were at least two feet above the groundwater table. The sample collection points consisted of a 6-inch stainless steel screened-probe and inert 1/4-inch by 3/8-inch Teflon-lined polyethylene tubing. The annulus (i.e., the sampling zone) around the probe was filled with No. 2 pure silica sand to about 6 inches above the top of the probe. The hydrated bentonite seal was installed above the sampling zone up to the ground surface. An expandable cap was placed on the top end of the sample tubing to keep it clean and dry.

Samples were collected in general accordance with the *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH October 2006). A minimum of three implant volumes (i.e., the volume of the sample probe and tubing) was purged from each sample port at a rate of less than 0.2 liters per minute using a RAE Systems MultiRAE® meter. The purged soil vapor was monitored for volatile organic compounds (VOCs) with a MultiRAE® during

purging. A helium tracer gas was used in accordance with the NYSDOH protocols to serve as a QA/QC technique to document the integrity of each soil vapor sampling point seal before and after sampling. A plastic five-gallon bucket and hydrated bentonite were used to keep the helium tracer gas in contract with the probe during the seal integrity test. A helium monitoring instrument was used to analyze a sample of soil vapor for the tracer gas prior to and after sampling. All soil vapor sampling point seals were determined to be adequate before and after sampling was initiated.

Soil vapor samples were collected into laboratory-supplied batch-certified clean 2.7-liter Summa® canisters with calibrated flow controllers. Soil vapor and ambient air samples were collected over 120 minutes. The duplicate sample and its parent sample were collected simultaneously using a Swagelok® 1/4-inch stainless steel union tee fitting. A log sheet for each soil vapor sample was completed to record the following:

- Sample identification name;
- Date and time of sample collection;
- Sampling depth;
- Name of the field engineer responsible for sampling;
- Sampling methods and equipment;
- Soil vapor purge volumes;
- Volume of soil vapor extracted;
- Flow rate; and
- Vacuum of canisters before and after sample collection.

Soil vapor sampling logs are provided as Appendix A.

Soil vapor samples and QA/QC samples (ambient air sample and duplicate sample) were submitted to a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory (Alpha Analytical, Inc. of Westborough, MA [ELAP ID #11148]) via courier service under standard chain-of-custody protocol and analyzed for VOCs by the United States USEPA Method TO-15. The laboratory was instructed to report all analytical data as an Analytical Services Protocol (ASP) Category B data deliverable and as an Electronic Data Deliverable (EDD) consistent with the New York State Department of Environmental Conservation (NYSDEC) requirements.

5.1.2 Soil Investigation

Eight soil borings (SB-38 to SB-45) were installed by AARCO under the supervision of a Langan field geologist on August 19, 2014. Six soil borings (SB-38, SB-39, SB-40, SB-41, SB-44 and SB-45) were installed on Parcel F1. Two soil borings (SB-42 and SB-43) were installed on Parcel F2. A GPS hand-held unit was used to record the position of all completed borings. Boring locations were selected to characterize soil in the building footprints and across the proposed waterfront area and private driveway and to augment the existing subsurface data set. The soil boring locations are presented on Figure 7.

Soil borings were completed using a track-mounted Geoprobe™ 7822DT direct-push drill rig. Soil samples were collected continuously into macrocore barrels lined with 5-foot dedicated acetate sleeves. Extracted soil was screened with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field staff. Soil borings were advanced to 5 or 10 feet bgs. Soil boring logs are provided as Appendix B.

Two discrete (grab) soil samples were collected at each borings for laboratory analysis: one from the 0 to 2 foot interval below surface cover and the second from a subsurface interval (3 to 5 feet bgs, 5 to 7 feet bgs, or 6 to 8 feet bgs). ENCORE® kits (5-gram) were used to collect soil samples for VOC analysis. Additional soil samples were collected at SB-43 (6 to 8 feet bgs) for matrix-spike/matrix-spike duplicate (MS/MSD) samples (1 per 20 samples). In addition, one field duplicate sample (1 per 20 samples), one field blank samples (1 per 20 samples), and one trip blank (one per cooler of VOC samples) were collected and analyzed for QA/QC purposes. A summary of the soil samples and QA/QC samples is presented in Tables 1A and 1B, respectively.

Soil samples and QA/QC samples were collected into laboratory-supplied batch-certified clean glassware and ENCORE® samplers and submitted to an NYSDOH ELAP-certified laboratory (Alpha Analytical, Inc. of Westborough, MA) via courier service under standard chain-of-custody protocol. Soil samples, field duplicates, field blanks, and MS/MSD samples were analyzed for the following parameters:

- Target Compound List (TCL) VOCs by USEPA Method 8260
- TCL SVOCs by USEPA Method 8270

- TCL Pesticides/PCBs by USEPA Method 8081/8082
- TCL Herbicides by USEPA Method 8151
- Target Analyte List (TAL) metals by USEPA Method 6010 and 7471
- Total Cyanide by USEPA Method 9010/9012
- Trivalent Chromium by USEPA Method 3060/107
- Hexavalent Chromium by USEPA Method 3060/7196

Trip blanks were analyzed for VOCs only by USEPA Method 8260C. The laboratory was instructed to report all analytical data as an ASP Category B data deliverable and as an EDD consistent with the NYSDEC requirements. The reported list of soil results was inclusive of all parameters listed in the TCL/TAL standard list and 6 NYCRR Part 375-6.8 and most parameters listed in the NYSDEC Commissioner's Policy CP-51.

5.1.3 Groundwater Investigation

Two monitoring wells (MW-38 to MW-39) were installed on Parcel F1 by AARCO under the supervision of a Langan field engineer on August 19, 2014. No additional monitoring wells were installed on Parcel F2. Monitoring well locations were selected to characterize groundwater across the development parcel and to augment the existing subsurface data set. Langan sampled the two new wells and one existing well (MW13A), previously installed by AKRF, on Parcel F1. Langan sampled two existing wells (MW14 and MW18), previously installed by AKRF and Langan, on Parcel F2. The location and elevations of the new monitoring wells (top of inner casing) and nearby ground surface were surveyed by Langan, a licensed NYS surveyor. The well locations are presented on Figure 8.

Permanent monitoring wells were constructed at completed soil borings with a Geoprobe® drill rig equipped with a hollow-stem auger (HSA) attachment. Monitoring wells were constructed of two-inch Schedule 40 PVC pipe with 0.010-inch slotted well screen across the groundwater interface and a #1 Morie silica sand filter pack. A one-foot annular seal of hydrated bentonite was installed above the primary filter pack. The annulus around the solid PVC pipe was filled with drill cuttings up to a cement-bentonite surface seal. All completed monitoring wells were fitted with a locking well cap, a protective case and flush-mounted manhole cover. New and existing monitoring wells were developed with a 12V submersible pump and dedicated polyethylene tubing until the purged water was visibly clear. Well construction logs are provided in Appendix C.

One groundwater sample was collected from each monitoring well in general accordance with NYSDEC DER-10 and USEPA's *Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells*. The groundwater samples were collected about one week after the monitoring wells were installed using a 12V submersible pump connected to polyethylene tubing. Before a groundwater sample was collected, the well was gauged and then continuously purged until groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) stabilized, to the extent practical, in accordance with the USEPA Low Flow Procedures. Stabilization was achieved when three consecutive readings of all parameters, to the extent practical, were within the limits specified in the USEPA Low Flow Procedures. A multi-parameter water quality system (YSI 6920) was used to monitor the groundwater quality parameters during sampling. Purged groundwater was containerized in properly labeled 55-gallon steel drums and stored on-Site prior to off-site disposal. In addition to the groundwater samples, one field duplicate sample (1 per 20 samples), one field blank sample (1 per 20 samples), one matrix-spike/matrix-spike duplicate (MS/MSD) sample (1 per 20 samples), and trip blanks (one per cooler of VOC samples) were collected and analyzed for quality QA/QC purposes. A summary of the groundwater samples and QA/QC samples is presented in Tables 1A and 1B, respectively. Well sampling logs are provided in Appendix D.

Groundwater samples and QA/QC samples were collected into laboratory-supplied batch-certified clean glassware and submitted to an NYSDOH ELAP-certified laboratory (Alpha Analytical, Inc. of Westborough, MA) via courier service under standard chain-of-custody protocol. Groundwater samples, field duplicates, field blanks, and MS/MSD samples were analyzed for the following analyses:

- TCL VOCs by USEPA Method 8260
- TCL SVOCs by USEPA Method 8270
- TCL Pesticides/PCBs by USEPA Method 8081/8082
- TCL Herbicides by USEPA Method 8151
- Target Analyte List (TAL) metals (total and dissolved) by USEPA Method 6010 and 7471
- Total Cyanide by USEPA Method 9010/9012
- Trivalent Chromium by USEPA Method 3060/107
- Hexavalent Chromium by USEPA Method 3060/7196

Trip blanks were analyzed for VOCs only by USEPA Method 8260C. The laboratory was

instructed to report all analytical data as an ASP Category B data deliverable and as an EDD consistent with the NYSDEC requirements. The reported list of groundwater results was inclusive of all parameters listed in the TCL/TAL standard list.

5.2 Field Observations

The soil vapor sampling points and soil borings at Parcels F1 and F2 were completed at a depth of 5 or 10 feet bgs within the surficial layer of historic fill material, which terminated at about 10 feet bgs. The surficial historic fill material is composed of varying amounts of sand and gravel and brick, coal, wood, ash, and asphalt fragments. No visual, olfactory, or PID evidence of petroleum or other gross contamination was identified in any of the completed borings. No PID readings above background levels were recorded from subsurface strata.

5.3 Hydrogeology

Depths to groundwater and groundwater elevations are based on a synoptic gauging event of five monitoring wells (MW13A, MW14, MW-18, MW-38 and MW-39) on August 28, 2014. Depth to groundwater at Parcel F1 ranged from 9.58 to 10.22 feet bgs (el. 1.73 feet to el. 1.46 feet NAVD88). Depth to groundwater at Parcel F2 ranged from 7.23 to 10.88 feet bgs (el. 1.24 feet to el 0.56 feet NAVD88). The results of the synoptic gauging event are presented in Table 2. A groundwater elevation contour map is presented as Figure 9. The groundwater elevation data indicate the direction of groundwater flow is to the north towards the confluence of the East River and Newtown Creek. Given the proximity of the Site to the East River and Newtown Creek, groundwater is expected to experience some level of tidal influence; however, tidal influence was not studied nor quantified as part of the supplemental remedial investigation. No free product was observed and no PID readings above Site background were recorded beneath the inner well cap during sampling and gauging activities.

5.4 Analytical Results

This section summarizes the soil vapor, soil, groundwater results generated by the SRI of Parcels F1 and F2. Langan's *RIWP* and *RIR for Parcels D1, D2, E3, F, G and H* presents summaries of soil vapor, soil, and groundwater analytical results generated by previous environmental investigations and our interpretations of those analytical results; those summaries and interpretations should be reviewed in conjunction with this section. In total, 6 soil vapor samples, 12 soil samples, 3 groundwater samples, and associated QA/QC samples

were collected and analyzed during the SRI of Parcel F1. In total, 2 soil vapor samples, 4 soil samples, 2 groundwater samples, and associated QA/QC samples were collected and analyzed during the SRI of Parcel F2.

- The soil vapor and ambient air sample analytical results were compared to the NYSDOH AGVs. The soil vapor and ambient air analytical results are presented in Table 3 and Figure 6.
- The soil analytical results were compared to the NYSDEC Part 375-6.8(a) Unrestricted Used SCOs and the NYSDEC Part 375-6.8(b) Restricted Use Restricted-Residential SCOs. The soil analytical results are presented in Tables 4A and 4B and Figure 7. Note that where any exceedance of the Unrestricted Use SCO(s) is noted in the following text, unless otherwise stated, the detected concentration(s) did not exceed the applicable Restricted Use Restricted-Residential SCO(s). The soil QA/QC sample analytical results for field blanks and trip blanks are presented in Table 4C.
- The groundwater analytical results were compared to the NYSDEC TOGS SGVs for Class GA waters. The groundwater analytical results are presented in Tables 5A and 5B and Figure 8. The groundwater QA/QC sample analytical results for field blanks and trip blanks are presented in Table 5C.

Duplicate soil vapor, soil, and groundwater sample analytical results are presented with their parent samples in Tables 3, 4 (A and B), and 5 (A and B), respectively. The full laboratory analytical data reports for soil vapor, soil, and groundwater are included in Appendices E, F, and G, respectively. The soil and groundwater MS/MSD analytical results are included in the data reports in Appendices F and G, respectively. The full ASP Category B data deliverable packages will be made available upon request. A copy of Alpha's ELAP certification is provided as Appendix H.

5.4.1 Soil Vapor Analytical Results

Parcel F1

Six soil vapor sample points were completed on Parcel F1: SV-27 through SV-32. One sample was collected from each point and an ambient air sample was collected to document background conditions. No VOCs exceeded their NYSDOH AGVs at SV-28, SV-30, and SV-31 or in the ambient air sample. TCE exceeded its NYSDOH AGV (5 µg/m^3) at SV-27, SV-29, and SV-32 at concentrations of 80.6 µg/m^3, 21.6 µg/m^3, and 19.6 µg/m^3, respectively.

Parcel F2

Two soil vapor sample points were completed on Parcel F2: SV-25 and SV-26. One sample was collected from each point and an ambient air sample was collected to document background conditions. No VOCs exceeded their NYSDOH AGVs at soil vapor sampling points SV-25 and SV-26 or in the ambient air sample.

5.4.2 Soil Analytical Results

Six soil borings (SB-38, SB-39, SB-40, SB-41, SB-44 and SB-45) were installed on Parcel F1. Two soil borings (SB-42 and SB-43) were installed on Parcel F2. From each boring, one sample was collected from the surface soil (0-2 feet bgs) and a deeper 2-foot interval extending as deep as 7-9 feet bgs. The deeper 2-foot sampling interval corresponded to the 2-foot interval above the groundwater interface at each boring location. The following summary presents the results of soil samples collected from each boring:

Parcel F1

Soil Boring SB-38

No pesticides or herbicides exceeded their Unrestricted Use SCOs.

VOCs

0-2 feet

- Benzene – 1.1 mg/kg (0.06 mg/kg, Unrestricted Use SCO)
- Toluene – 1.6 mg/kg (0.7 mg/kg, Unrestricted Use SCO)
- Seventeen VOCs, including 1,2,4,5-trimethylbenzene, 1,2,4-trimethylbenzene, 1,2-dichlorobenzene, 1,3,5-trimethylbenzene, 1,4-dichlorobenzene, ethyl ether, ethylbenzene, methyl cyclohexane, methyl tert butyl ether, n-butylbenzene, n-propylbenzene, naphthalene, o-xylene, p-diethylbenzene, p-ethyltoluene, m/p-xylene, and total xylenes, were detected at concentrations below their Unrestricted Use SCOs.
- No VOCs exceeded their Restricted Residential SCOs.

3-5 feet

- Benzene – 0.064 mg/kg (0.06 mg/kg , Unrestricted Use SCO)
- Fourteen VOCs, including 1,2,4,5-trimethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, cyclohexane, ethylbenzene, methyl cyclohexane, methyl tert butyl

ether, n-propylbenzene, naphthalene, o-xylene, p-diethylbenzene, p-ethyltoluene, m/p-xylene, and total xylenes, were detected at concentrations below their Unrestricted Use SCOs.

- No VOCs exceeded their Restricted-Residential SCOs.

SVOCs

0-2 feet

- Seven SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, exceeded their Unrestricted Use SCOs.
- Six of these compounds (all except benzo(k)fluoranthene) also exceeded their Restricted-Residential Use SCOs.
- Total SVOCs - 52.81 mg/kg

3-5 feet

- No SVOCs exceeded their Unrestricted Use SCOs.
- Total SVOCs - 6.07 mg/kg

Total PCBs

0-2 feet

- Total PCBs - 0.294 mg/kg (0.1 mg/kg, Unrestricted Use SCO)

3-5 feet

- PCBs were not detected above the reporting limit.

Metals

0-2 feet

- Four metals (copper, lead, mercury, and zinc) exceeded their Unrestricted Use SCOs in.
- Lead also exceeded its Restricted-Residential Use SCO (400 mg/kg) at a concentration of 570 mg/kg.

3-5 feet

- Five metals (trivalent chromium, copper, lead, mercury, and zinc) exceeded their Unrestricted Use SCOs.
- No metals exceeded their Restricted-Residential Use SCOs.

Soil Boring SB-39

No VOCs, SVOCs, PCBs, or herbicides exceeded their Unrestricted Use SCOs.

VOCs

0-2 feet

- Two VOCs, toluene and trichloroethene, were detected at concentrations below their Unrestricted Use SCOs.
- No VOCs exceeded their Unrestricted Use SCOs.

5-7 feet

- Three VOCs, including 2-butanone, acetone, and toluene, were detected at concentrations below their Unrestricted Use SCOs.
- No VOCs exceeded their Unrestricted Use SCOs.

Pesticides

0-2 feet

- 4,4'-DDE – 0.013 mg/kg (0.0033 mg/kg, Unrestricted Use SCO)
- 4,4'-DDT – 0.0302 mg/kg (0.0033 mg/kg, Unrestricted Use SCO)
- No pesticides exceeded their Restricted-Residential SCOs.

5-7 feet

- No pesticides were detected above the reporting limit.

Metals

0-2 feet

- Two metals (lead and zinc) exceeded their Unrestricted Use SCOs.
- Lead also exceeded its Restricted-Residential SCO (400 mg/kg) at a concentration of 1,000 mg/kg.

3-5 feet

- Four metals (arsenic, copper, lead and zinc) exceeded their Unrestricted Use SCOs.
- Arsenic and lead also exceeded their Restricted-Residential Use SCOs (16 mg/kg and 400 mg/kg, respectively) in subsurface soil at concentrations of 27 mg/kg and 540 mg/kg, respectively.

Soil Boring SB-40

No SVOCs, PCBs or herbicides exceeded their Unrestricted Use SCOs.

VOCs

0-2 feet

- TCE – 2.3 mg/kg (0.47 mg/kg, Unrestricted Use SCO)
- Five VOCs, including ethylbenzene, o-xylene, m/p-xylene, toluene, and total xylenes, were detected at concentrations below their Unrestricted Use SCOs.

- No VOCs exceeded their Restricted-Residential SCOs.

5-7 feet

- TCE was not detected above the reporting limit.
- One VOC, acetone, was detected at a concentration below its Unrestricted Use SCO in.
- No VOCs exceeded their Unrestricted Use SCOs.

Pesticides

0-2 feet

- 4,4'-DDT – 0.00845 mg/kg (0.0033 mg/kg, Unrestricted Use SCO)
- No pesticides exceeded their Restricted-Residential SCOs.

5-7 feet

- No pesticides were detected above the reporting limit.

Metals

0-2 feet

- Two metals (arsenic and lead) exceeded their Unrestricted Use SCOs.
- Arsenic also exceeded its Restricted-Residential Use SCO (16 mg/kg) at a concentration of 38 mg/kg.

5-7 feet

- Arsenic exceeded its Unrestricted Use SCO.
- No metals exceeded their Restricted-Residential Use SCOs.

Soil Boring SB-41

No VOCs, PCBs or herbicides exceeded their Unrestricted Use SCOs.

VOCs

0-2 feet

- One VOC, acetone, was detected below its Unrestricted Use SCO.
- No VOCs exceeded their Unrestricted Use SCOs.

7-9 feet

- One VOC, acetone, was detected below its Unrestricted Use SCO.
- No VOCs exceeded their Unrestricted Use SCOs.

SVOCs

0-2 feet

- Five SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, exceeded their Unrestricted Use SCOs.

- Four SVOCs (all except chrysene) also exceeded their Restricted-Residential Use SCOs in surface soil.
- Total SVOCs - 11.96 mg/kg

7-9 feet

- Five SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, exceeded their Unrestricted Use SCOs.
- Four SVOCs (all except chrysene) also exceeded their Restricted-Residential Use SCOs.
- Total SVOCs - 24.52 mg/kg

Pesticides

0-2 feet

- 4,4'-DDE – 0.00908 mg/kg (0.0033 mg/kg, Unrestricted Use SCO)
- 4,4'-DDT – 0.0184 mg/kg (0.0033 mg/kg, Unrestricted Use SCO)
- No pesticides exceeded their Restricted-Residential SCOs.

7-9 feet

- Pesticides were not detected above the reporting limit.

Metals

0-2 feet

- Six metals (arsenic, trivalent chromium, copper, lead, mercury, and zinc) exceeded their Unrestricted Use SCOs.
- Arsenic and lead also exceeded their Restricted-Residential Use SCOs (16 mg/kg and 400 mg/kg, respectively) at concentrations of 18 mg/kg and 3,200 mg/kg, respectively.

7-9 feet

- Four metals (arsenic, copper, lead, mercury) exceeded their Unrestricted Use SCOs.
- Arsenic also exceeded its Restricted-Residential Use SCO (16 mg/kg) at a concentration of 22 mg/kg.

Soil Boring SB-44

No PCBs or herbicides exceeded their Unrestricted Use SCOs.

VOCs

0-2 feet

- TCE – 1.1 mg/kg (0.47 mg/kg, Unrestricted Use SCO)
- Two VOCs, methyl cyclohexane and naphthalene, were detected below their Unrestricted Use SCOs.

- No VOCs exceeded their Restricted-Residential SCOs.

3-5 feet

- Three VOCs, including acetone, naphthalene, and trichloroethene, were detected below their Unrestricted Use SCOs in subsurface soil.
- No VOCs exceeded their Unrestricted Use SCOs.

SVOCs

0-2 feet

- No SVOCs exceeded their Unrestricted Use SCOs.
- Total SVOCs – 7.63 mg/kg

3-5 feet

- Six SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, exceeded their Unrestricted Use SCOs.
- Four SVOCs (all except benzo(k)fluoranthene and chrysene) also exceeded their Restricted-Residential Use SCOs.
- Total SVOCs – 21.24 mg/kg

Pesticides

0-2 feet

- 4,4'-DDT – 0.00514 mg/kg (0.0033 mg/kg, Unrestricted Use SCO).
- No pesticides exceeded their Restricted-Residential SCOs.

3-5 feet

- No pesticides were detected above the reporting limit.

Metals

0-2 feet

- Two metals (lead and zinc) exceeded their Unrestricted Use SCOs.
- No metals exceeded their Restricted-Residential Use SCOs.

3-5 feet

- Four metals (copper, lead, mercury, and zinc) exceeded their Unrestricted Use SCOs.
- Lead and mercury also exceeded their Restricted-Residential Use SCOs (400 mg/kg and 0.81 mg/kg, respectively) at concentrations of 1,000 mg/kg and 1.6 mg/kg, respectively.

Soil Boring SB-45

No VOCs, PCBs or herbicides exceeded their Unrestricted Use SCOs.

VOCs

0-2 feet

- Two VOCs, acetone and naphthalene, were detected below their Unrestricted Use SCOs in surface soil.
- No VOCs exceeded their Unrestricted Use SCOs.

3-5 feet

- One VOC, acetone, was detected below its Unrestricted Use SCO in subsurface soil.
- No VOCs exceeded their Unrestricted Use SCOs.

SVOCs

0-2 feet

- Seven SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, exceeded their Unrestricted Use SCOs.
- Six SVOCs (all except benzo(k)fluoranthene) also exceeded their Restricted-Residential SCOs.
- Total SVOCs – 141.11 mg/kg

3-5 feet

- Five SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, exceeded their Unrestricted Use SCOs.
- Four SVOCs (all except chrysene) also exceeded their Restricted-Residential Use SCOs.
- Total SVOCs – 17.28 mg/kg

Pesticides

0-2 feet

- 4,4'-DDT – 0.0151 mg/kg (0.0033 mg/kg, Unrestricted Use SCO)

3-5 feet

- No pesticides were detected above the reporting limit.

Metals

0-2 feet

- Four metals (arsenic, copper, lead, and zinc) exceeded their Unrestricted Use SCOs.
- Arsenic also exceeded its Restricted-Residential Use SCO (16 mg/kg) at a concentration of 18 mg/kg.

3-5 feet

- Three metals (arsenic, lead, and mercury) exceeded their Unrestricted Use SCOs.
- Arsenic and mercury also exceeded their Restricted-Residential Use SCOs (16 mg/kg and 0.81 mg/kg, respectively) at concentrations of 22 mg/kg and 1.2 mg/kg,

respectively.

Parcel F2

Soil Boring SB-42

No VOCs, PCBs or herbicides exceeded their Unrestricted Use SCOs.

VOCs

0-2 feet

- Seven VOCs, including ethylbenzene, n-propylbenzene, naphthalene, p-ethyltoluene, m/p-xylene, toluene, and total xylenes, were detected below their Unrestricted Use SCOs in surface soil.
- No VOCs exceeded their Unrestricted Use SCOs.

6-8 feet

- Three VOCs, including 2-butanone, acetone, and toluene, were detected below their Unrestricted Use SCOs.
- No VOCs exceeded their Unrestricted Use SCOs.

SVOCs

0-2 feet

- Seven SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene) exceeded their Unrestricted Use SCOs.
- All seven SVOCs also exceeded their Restricted-Residential Use SCOs.
- Total SVOCs - 146.9 mg/kg

6-8 feet

- Seven SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene) exceeded their Unrestricted Use SCOs.
- Six SVOCs (all except benzo(k)fluoranthene) also exceeded their Restricted-Residential Use SCOs.
- Total SVOCs - 127.16 mg/kg

Pesticides

0-2 feet

- 4,4'-DDE – 0.00542 mg/kg (0.0033 mg/kg, Unrestricted Use SCO)

- No pesticides exceeded their Restricted-Residential SCOs.

6-8 feet

- No pesticides were detected above the reporting limit.

Metals

0-2 feet

- Three metals (arsenic, lead, and mercury) exceeded their Unrestricted Use SCOs.
- Mercury also exceeded its Restricted-Residential Use SCO (0.81 mg/kg) at a concentration of 2.3 mg/kg

6-8 feet

- Three metals (copper, lead, and mercury) exceeded their Unrestricted Use SCOs.
- Lead also exceeded its Restricted-Residential Use SCO (400 mg/kg) at a concentration of 870 mg/kg.

Soil Boring SB-43

No VOCs, SVOCs, PCBs or herbicides exceeded their Unrestricted Use SCOs.

VOCs

0-2 feet

- One VOC, toluene, was detected below its Unrestricted Use SCO.
- No VOCs exceeded their Unrestricted Use SCOs.

6-8 feet

- One VOC, acetone, was detected below its Unrestricted Use SCO.
- No VOCs exceeded their Unrestricted Use SCOs.

Pesticides

0-2 feet

- 4,4'-DDE – 0.00729 mg/kg (0.0033 mg/kg, Unrestricted Use SCO)
- No pesticides exceeded their Restricted-Residential SCOs.

6-8 feet

- No pesticides were detected above the reporting limit.

Metals

0-2 feet

- No metals exceeded their Unrestricted Use SCOs.

6-8 feet

- Four metals (arsenic, copper, lead, and mercury) exceeded their Unrestricted Use SCOs.
- Arsenic and lead also exceeded their Restricted-Residential Use SCOs (16 mg/kg and

400 mg/kg, respectively) at concentrations of 19 mg/kg and 740 mg/kg, respectively

5.4.3 Groundwater Analytical Results

Two new monitoring wells (MW-38 and MW-39) and one existing monitoring well (MW13A), previously installed by AKRF, were sampled on Parcel F1. Two existing monitoring wells (MW14 and MW18), previously installed by AKRF and Langan, were sampled on Parcel F2. One groundwater sample was collected from each well.

Parcel F1

At monitoring well MW13A, no PCBs, pesticides, or herbicides were detected. Trans-1,2-dichloroethene (trans-1,2-DCE) exceeded its TOGS SGV (5 µg/L) at a concentration of 8.2 µg/L. Five SVOCs, all PAHs, including benzo(a)pyrene, benzo(a)anthracene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, slightly exceeded their TOGS SGVs. Benzo(a)pyrene was detected at a total concentration of 0.26 µg/L. Benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene exceeded their TOGS SGV (0.002 µg/L) at total concentrations of 0.23 µg/L, 0.09 µg/L, 0.22 µg/L, and 0.24 µg/L, respectively. Four metals (iron, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs, including:

- Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 8,450 µg/L.
- Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 99,300 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 1,449 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 548,000 µg/L.

Five metals (antimony, iron, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs, including:

- Antimony exceeded its TOGS SGV (3 µg/L) at a dissolved concentration of 5.42 µg/L.
- Iron exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 7,350 µg/L.
- Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 91,800 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 1,258 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 516,000 µg/L.

At monitoring well MW-38, no PCBs, pesticides, or herbicides were detected. Trans-1,2-DCE exceeded its TOGS SGV (5 µg/L) at a concentration of 15 µg/L. Three SVOCs, including benzo(a)pyrene, chrysene, and indeno(1,2,3-cd)pyrene, slightly exceeded their TOGS SGVs. Benzo(a)pyrene was detected at a total concentration of 0.09 µg/L. Chrysene and indeno(1,2,3-cd)pyrene exceeded their TOGS SGV (0.002 µg/L) at total concentrations of 0.06 µg/L and 0.13 µg/L, respectively. Six metals (antimony, iron, lead, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs, including:

- Antimony exceeded its TOGS SGV (3 µg/L) at a total concentration of 9.32 µg/L.
- Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 121,000 µg/L.
- Lead exceeded its TOGS SGV (25 µg/L) at a total concentration of 40.24 µg/L.
- Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 257,000 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 4,116 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 6,030,000 µg/L.

Five metals (antimony, iron, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs.

- Antimony exceeded its TOGS SGV (3 µg/L) at a dissolved concentration of 11.31 µg/L.
- Iron exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 60,400 µg/L.
- Magnesium exceeded its TOGS SGV (35,000) at dissolved concentration of 712,000.
- Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 2,407 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 5,590,000 µg/L.

At monitoring well MW-39, no PCBs, pesticides, or herbicides were detected. Trans-1,2-DCE exceeded its TOGS SGV (5 µg/L) at a concentration of 19 µg/L. Four SVOCs, all PAHs, including benzo(a)pyrene, benzo(a)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, slightly exceeded their TOGS SGVs. Benzo(a)pyrene was detected at a total concentration of 0.12 µg/L. Benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene exceeded their TOGS SGV (0.002 µg/L) at total concentrations of 0.09 µg/L, 0.06 µg/L, 0.15 µg/L, respectively. Four metals (iron,

magnesium, manganese, and sodium) were detected in total and dissolved concentrations above their TOGS SGVs, including:

- Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 70,900 µg/L.
- Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 124,000 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 20,460 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 101,000 µg/L.

Four metals (iron, magnesium, manganese, and sodium) were detected in total and dissolved concentrations above their TOGS SGVs, including:

- Iron exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 16,000 µg/L.
- Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 82,100 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 19,000 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 89,400 µg/L.

Parcel F2

At monitoring well MW14, no PCBs, pesticides, or herbicides were detected. Trans-1,2-DCE exceeded its TOGS SGV (5 µg/L) at a concentration of 9.7 µg/L. Five SVOCs, all PAHs, including benzo(a)pyrene, benzo(a)anthracene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, slightly exceeded their TOGS SGVs. Benzo(a)pyrene was detected at a total concentration of 0.21 µg/L. Benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene exceeded their TOGS SGV (0.002 µg/L) at total concentrations of 0.2 µg/L, 0.08 µg/L, 0.18 µg/L, and 0.2 µg/L, respectively. Three metals (iron, manganese, and sodium) were detected in total concentrations above their TOGS SGVs, including:

- Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 49,600 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 6,264 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 357,000 µg/L.

Three metals (iron, manganese, and sodium) were detected in total and dissolved concentrations above their TOGS SGVs, including:

- Iron exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 42,400 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 6,092 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 340,000 µg/L.

At monitoring well MW-18, no SVOCs, PCBs, pesticides, or herbicides were detected. Three VOCs (cis-1,2-dichloroethene, trans-1,2-DCE, and vinyl chloride) exceeded their TOGS SGVs (5 µg/L, 5 µg/L, and 2 µg/L, respectively) at concentrations of 40 µg/L, 6.2 µg/L, and 3.8 µg/L, respectively. Four metals (iron, lead, manganese, and sodium) were detected in total concentrations above their TOGS SGVs, including:

- Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 6,910 µg/L.
- Lead exceeded its TOGS SGV (25 µg/L) at a total concentration of 28.6 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 5,948 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 218,000 µg/L.

Three metals (iron, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs, including:

- Iron exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 4,960 µg/L.
- Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 5,042 µg/L.
- Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 192,000 µg/L.

6.0 COMPREHENSIVE ANALYTICAL DATA REVIEW

6.1 Soil Vapor

Parcel F1

Seven soil vapor samples and one ambient air sample were collected and analyzed for VOCs as part of two investigations (Langan's Phase I RI [2013]) and the Parcel F1 SRI [2014]). TCE exceeded its AGV in soil vapor at four sampling locations (SV-11, SV-27, SV-29, and SV-32). No other VOCs were detected above their AGVs in any other soil vapor samples.

The Parcel F1 SRI identified TCE in two surface soil samples (SB-40_0-2 and SB-44_0-2) slightly above its Unrestricted Use SCO. Previous environmental investigations (Langan's Phase 2 RI [2013]) identified TCE in one soil sample (SB-22 [3.5-5.5 feet bgs]) above its Unrestricted Use SCO.

The presence of TCE in the intermediate soil layer (3.5-5.5 feet bgs) at SB-22 is likely the source of the TCE detected in soil vapor at SV-11, as these sample locations are about 7 feet apart. The presence of TCE in surface soil (0-2 feet bgs) at SB-40 and SB-44 is likely the source of the TCE detected in soil vapor at SV-27 and SV-32, respectively, as the sampling locations were co-located. No soil boring was completed in the vicinity of SV-29; however, given the trend established with SB-40/SV-27 and SB-44/SV-32, the presence of TCE in soil vapor at these locations is more likely attributable to historic fill material[4] at the sampling location.

Parcel F2

Three soil vapor samples and one ambient air sample were collected and analyzed for VOCs as part of two investigations (Langan's Phase I RI [2013] and the Parcel F2 SRI [2014]). TCE exceeded its AGV in soil vapor at one sampling location (SV-7). No other VOCs were detected above their AGVs in any other soil vapor samples.

The Parcel F2 SRI identified TCE in one groundwater sample (MW-18) at a concentration of 0.65 µg/L below its TOGS SGV (5 µg/L). Previous environmental investigations (Langan's Phase

[4] Soil boring logs from Parcel F identified historic fill material with brick and wood fragments. TCE is a common ingredient in paints, stains, varnishes and finishes (Toxicological Profile for Trichloroethylene by US Department of Health and Human Services [1997]).

2 RI [2013]) identified TCE in one groundwater sample (MW-18) at an estimated concentration (0.42 µg/L) below its TOGS SGV (5 µg/L).

The presence of TCE in groundwater at MW-18 is most likely associated with off-site sources, as MW-18 is located in an upgradient area of the Site[5]. TCE in groundwater is likely the source of the TCE detected in soil vapor at SV-7, located about 25 feet from MW-18. The presence of TCEs degradation products in groundwater and soil vapor indicates that TCE degradation has likely occurred. TCE was not detected in monitoring well MW-14, located about 45 feet from MW-18, indicating an isolated and localized TCE condition at MW-18 that has not migrated to other areas of the Site.

6.2 Soil

Parcel F1

Twenty soil samples (from ten borings) were collected and analyzed as part of three subsurface investigations (AKRF's Phase II ESI, Langan's Phase 2 RI, and the Parcel F1 SRI). The analytical results are generally consistent among the existing data sets (from the rest of the development property), confirm the presence of historic fill across Parcel F1 and do not indicate significant or extensive soil contamination associated with releases of petroleum or hazardous substances. A comprehensive review of the soil analytical results is presented below:

- The nature and localized distribution of VOCs does not suggest widespread and substantial releases of petroleum or other hazardous substances occurred at the Site. The only VOCs detected above their Unrestricted Use SCOs were benzene, toluene, and TCE and these compounds were only detected in soil samples collected from fill material in surface (0-2 feet bgs) and/or intermediate (3-5 feet bgs) sampling intervals. The presence of these compounds in soil is likely attributable to incidental releases of petroleum/solvent products from vehicle traffic and the property's historic light industrial use and/or the quality of the historic fill.
- The SVOCs identified in soil above their Unrestricted Use and Restricted-Residential SCOs were generally uniformly distributed across Parcel F1 and limited to the surficial historic fill layer. Little to no SVOCs were detected in samples collected from native

[5] Phase I Environmental Site Assessments conducted in connection with the project of which the Site is a portion have documented many historical off-site industrial and manufacturing uses that may have contributed to chlorinated solvent contamination of groundwater at the Site, which is downgradient to such off-site uses.

soil. The PAHs in soil may be attributed to pyrogenic components (e.g., coal fragments, cinders, ash, or wood fragments) of the historic fill material noted in the borings or to pyrogenic sources, including creosote (a coal tar derivative), which was historically used as a lumber preservative. Wood chips were noted in borings. The lack of widespread, surficial and high concentrations of naphthalene indicates that wood treatment did not likely occur on Parcel F1. The concentrations of PAHs detected in soil are regarded as background concentrations and considered characteristic of properties in the urban environment. The total SVOC concentrations ranged from non-detect to 306.38 mg/kg (found in surface soil at SB-22).

- Total PCBs slightly exceeded their Unrestricted Use SCOs in the surface soil only (0-2 feet bgs) at MW13A and SB-38. On other areas of the development property, PCBs were detected above Unrestricted Use SCOs in both shallow and deeper sampling intervals, but rarely in both intervals in a single sampling location – suggesting that the presence of PCBs across the development property is attributable to the quality of the historic fill material placed in this area during the period[6] when PCBs were commercially available. The concentrations of PCBs in soil are regarded as background concentrations and do not indicate the presence of source material at the Site. No evidence of primary sources (e.g. transformers) and secondary sources (e.g. carrier fluids) were identified by the current or previous environmental studies.
- Pesticides in soil are distributed randomly across Parcel F1 and are limited to surficial soil. The presence of pesticides in surficial soil is likely attributed to historical application of pesticides, which are known to persist in the environment.
- No herbicides were detected above their Unrestricted Use SCOs at Parcel F1.
- The suite of metals (arsenic, barium, cadmium, trivalent chromium, copper, lead, mercury, nickel, and zinc) detected in soil above their Unrestricted Use and Restricted-Residential Use SCOs are characteristic of and attributed to historic fill material. The near ubiquitous presence of arsenic may be attributable to historic fill or perhaps is the result of the gradual weathering and leaching of arsenic from the treated, finished and preserved lumber supply historically stored on Parcel F1 (as evidenced by the presence of wood fragments in soil borings). No potential current or historical sources of other metals related to light industrial and/or commercial activity were identified by previous environmental studies. The concentrations of metals are regarded as background

[6] Commercial production of PCBs in the United States began in 1929 and ended in 1979 (Environmental Forensics: Contaminant Specific Guide [2005]). Historical aerial photography available on the NYC City Map (http://gis.nyc.gov/doitt/nycitymap) indicates historical land filling activities occurred at the site as early as circa 1924 and through circa 1996.

concentrations and considered characteristic of properties in the urban environment.

Parcel F2

Eight soil samples (from four borings) were collected and analyzed as part of three subsurface investigations (AKRF's Phase II ESI, Langan's Phase 2 RI, and the Parcel F2 SRI). The analytical results are generally consistent among the existing data sets (from the rest of the development property), confirm the presence of historic fill across the Site and do not indicate significant or extensive soil contamination associated with releases of petroleum or hazardous substances. A comprehensive review of the soil analytical results is presented below:

- No VOCs were detected above their Unrestricted Use SCOs at Parcel F2.
- The SVOCs identified in soil above their Unrestricted Use and Restricted-Residential SCOs were confined to SB-42 and limited to the surficial historic fill layer. No SVOCs were detected above their Unrestricted Use SCOs in the other three soil borings. Little to no SVOCs were detected in samples collected from native soil. The PAHs in soil may be attributed to pyrogenic components (e.g., coal fragments, cinders, ash, or wood fragments) of the historic fill material noted in the borings or to pyrogenic sources, including creosote (a coal tar derivative), which was historically used as a lumber preservative. Wood chips were noted in borings. The lack of widespread, surficial and high concentrations of naphthalene indicates that wood treatment did not likely occur on the Site. The concentrations of PAHs detected in soil are regarded as background concentrations and considered characteristic of properties in the urban environment. The total SVOC concentrations ranged from 0.047 mg/kg to 146.9 mg/kg (found in surface soil at SB-42).
- Total PCBs were not detected above their Unrestricted Use SCOs at Parcel F2.
- Pesticides in soil are generally uniformly distributed across Parcel F2 and are limited to surficial soil. The presence of pesticides in surficial soil is likely attributed to historical application of pesticides, which are known to persist in the environment.
- No herbicides were detected above their Unrestricted Use SCOs at Parcel F2.
- The suite of metals (arsenic, copper, lead, mercury, and zinc) detected in soil above their Unrestricted Use and Restricted-Residential Use SCOs are characteristic of and attributed to historic fill material. The near ubiquitous presence of arsenic may be attributable to historic fill or perhaps is the result of the gradual weathering and leaching of arsenic from the treated, finished and preserved lumber supply historically stored on

the Site (as evidenced by the presence of wood fragments in soil borings). No potential current or historical sources of other metals related to light industrial and/or commercial activity were identified by previous environmental studies. The concentrations of metals are regarded as background concentrations and considered characteristic of properties in the urban environment.

6.3 Groundwater

Parcel F1

Seven groundwater samples (from seven wells) were collected and analyzed during three investigations (AKRF's Phase II ESI, Langan's Phase 2 RI, and the Parcel F1 SRI). The analytical results are consistent with the existing data set (from the rest of the Greenpoint Landing development property) and the historical site use and do not indicate significant or extensive groundwater contamination across Parcel F1. Only VOCs, SVOCs and metals were detected in groundwater; no PCBs, pesticides, or herbicides were detected.

Well MW-13A, located about 60 feet from the East River, was sampled in 2003, ten VOCs (including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, benzene, ethylbenzene, naphthalene, styrene, toluene, and total xylenes) were reported at concentrations above their TOGS SGVs. The *RIWP* attributed the presence of these constituents to a potential on-Site source related to historical property use and historical storage of petroleum. The geophysical survey did not identify any evidence of underground petroleum storage near MW-13A. None of the petroleum constituents were detected in two subsequent groundwater samples collected from MW-13A in March and August 2014. The 2014 groundwater results suggest that residual petroleum constituents and other VOCs degraded naturally or were diluted and are now absent. Because this monitoring well is located proximate to the East River, it is possible that tidal influence played a role in the notable decrease in petroleum constituents and other VOCs detected in groundwater over time.

Trans-1,2-DCE was detected above its TOGS SGV (5 µg/L) in all monitoring wells sampled as part of the Parcel F1 SRI at concentrations ranging from 8.2 to 19 µg/L. A source of trans-1,2-DCE was not identified in any soil samples collected as part of the Parcel F1 SRI or other previous investigations. The presence of trans-1,2-DCE in groundwater may be attributable to off-site sources.

The PAHs commonly detected in groundwater slightly above their TOGS SGVs were also detected in soil across Parcel F1 and are also attributed to the presence of suspended solids in groundwater derived from historic fill material.

The metals (iron, magnesium, manganese, and sodium) frequently detected in groundwater above their TOGS SGVs are characteristic of brackish and naturally-occurring groundwater conditions. A comparison of the filtered and unfiltered metals detected in groundwater did not indicate a significant reduction in metals concentrations with the exception of lead. Lead was detected only in total concentrations above its TOGS SGV; lead was not detected in dissolved concentrations above its TOGS SGV. The presence of lead in groundwater is attributed to the presence of suspended solids derived from historic fill material, which was generally found to contain lead, and extends into the groundwater table. Arsenic and mercury, which are present in soil/fill material at concentrations above their Restricted-Residential Use SCOs, were not detected in total or dissolved concentrations in groundwater above their TOGS SGVs. The total and dissolved concentrations of iron, magnesium, and manganese in groundwater can be attributed to the natural weathering of iron-, magnesium-, and manganese-bearing minerals in soil and sediment. Because the metals most frequently detected in groundwater above their TOGS SGVs are indicative of brackish (i.e., sodium) and naturally-occurring groundwater conditions and a comparison of the filtered and unfiltered metals detected in groundwater did not indicate a significant reduction in concentrations for these metals, the quality of groundwater with respect to metals is primarily influenced by its true natural and brackish condition, which demonstrates that groundwater at the Site directly communicates with the estuarine waters of the East River and Newtown Creek.

Parcel F2

Four groundwater samples (from two wells) were collected and analyzed during three investigations (AKRF's Phase II ESI, Langan's Phase 2 RI, and the Parcel F2 SRI). The analytical results are consistent with the existing data set (from the rest of the Greenpoint Landing development property) and the historical site use and do not indicate significant or extensive groundwater contamination across Parcel F2. Only VOCs, SVOCs and metals were detected in groundwater; no PCBs, pesticides, or herbicides were detected.

The three VOCs (cis-1,2-dichloroethene [cis-1,2-DCE], trans-1,2-DCE, and vinyl chloride)

detected in groundwater at MW-18, located about 40 feet from Commercial Street (on the upgradient portion of Parcel F2), above their TOGS SGVs were also detected in soil vapor at SV-7, which was located about 25 feet from MW-18. Two of these VOCs (cis-1,2-DCE and vinyl chloride) are known degradation products of TCE; trans-1,2-DCE is not the favored reductive dechlorination pathway, as compared to cis-1,2-DCE, which is a more common daughter product for TCE.[7] TCE was not detected at SB-18 in surface soil or in subsurface soil collected at the groundwater interface, but was detected in groundwater at MW-18 at low level concentrations. TCE was detected in soil vapor at SV-7 at a concentration one order of magnitude below the reported concentrations of cis-1,2-dichloroethene and vinyl chloride, suggesting degradation of the source material. Neither TCE, cis-1,2-DCE nor vinyl chloride were detected in MW-14, which is about 45 feet from MW-18, suggesting the impacted area is localized. The detections of cis-1,2-DCE, trans-1,2-DCE and vinyl chloride in groundwater may be attributed to off-site sources.

Trans-1,2-DCE was detected above its TOGS SGV (5 µg/L) in all monitoring wells sampled as part of the Parcel F2 SRI at concentrations ranging from 6.2 to 9.7 µg/L. A source of trans-1,2-DCE was not identified in any soil samples collected as part of the Parcel F2 SRI or other previous investigations. The presence of trans-1,2-DCE in groundwater may be attributable to off-site sources.

The PAHs commonly detected in groundwater slightly above their TOGS SGVs were also detected in soil across Parcel F2 and are also attributed to the presence of suspended solids in groundwater derived from historic fill material.

The metals (iron, magnesium, manganese, and sodium) frequently detected in groundwater above their TOGS SGVs are characteristic of brackish and naturally-occurring groundwater conditions. A comparison of the filtered and unfiltered metals detected in groundwater did not indicate a significant reduction in metals concentrations with the exception of lead. Lead was detected only in total concentrations above its TOGS SGV; lead was not detected in dissolved concentrations above its TOGS SGV. The presence of lead in groundwater is attributed to the presence of suspended solids derived from historic fill material, which was generally found to contain lead, and extends into the groundwater table. Arsenic and mercury, which are present in soil/fill material at concentrations above their Restricted-Residential Use SCOs, were not

[7] Although trans-1,2-DCE is not the favored reductive dechlorination pathway, TCE can be reductively dechlorinated to trans-1,2-DCE in presence of certain microorganisms. The characteristics of the microbial community in the saturated zone at and adjacent to the site were not evaluated as part of this investigation.

detected in total or dissolved concentrations in groundwater above their TOGS SGVs. The total and dissolved concentrations of iron, magnesium, and manganese in groundwater can be attributed to the natural weathering of iron-, magnesium-, and manganese-bearing minerals in soil and sediment. Because the metals most frequently detected in groundwater above their TOGS SGVs are indicative of brackish (i.e., sodium) and naturally-occurring groundwater conditions and a comparison of the filtered and unfiltered metals detected in groundwater did not indicate a significant reduction in concentrations for these metals, the quality of groundwater with respect to metals is primarily influenced by its true natural and brackish condition, which demonstrates that groundwater at the site directly communicates with the estuarine waters of the East River and Newtown Creek.

7.0 CONCLUSIONS

7.1 Parcel F1 Conclusions

Based on the previous analytical results, field observations, and supplemental RI analytical data presented in this report, we conclude the following for Parcel F1:

- No potential USTs were identified during the geophysical survey.
- The stratigraphy consists of a surficial layer of historic fill material overlying native fine- to coarse-grained sandy soil and silty soil. The surficial historic fill material generally extends from ground surface to about 10 feet bgs and is composed of heterogeneous layers, each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, cinders, and brick, ceramic, concrete and asphalt fragments.
- No visual, olfactory, or PID evidence of petroleum or other gross contamination was identified. No separate-phase liquids were observed on the site.
- The analytical results are:
    - Consistent with the property's historical light industrial use for the storage of coal/lumber and heavy equipment and machinery,
    - Confirm the presence of historic fill material[8],
    - Support and confirm the findings from previous environmental investigations across the Greenpoint Landing development property, and
    - Consistent with what one would expect to find on urban waterfront property in New York City.
- Although property functioned as a lumber yard for almost a century, there was no indication in soil and groundwater that lumber treatment occurred with any frequency (if at all) across Parcel F1. The presence of arsenic above its Restricted-Residential Use SCO in surface and subsurface historic fill across Parcel F1 may be attributable to the quality of the fill material or may be the result of the gradual weathering and leaching of arsenic from the treated, finished and preserved lumber supply historically stored on the property (as evidence by the presence of wood fragments in soil borings).

[8] As defined by NYS DEC's DER-10 Technical Guidance for Site Investigation and Remediation, Section 1.3 (b) 25: "Historic fill material" means non-indigenous or non-native material, historically deposited or disposed in the general area of, or on, a site to create useable land by filling water bodies, wetlands or topographic depressions, which is in no way connected with the subsequent operations at the location of the emplacement, and which was contaminated prior to emplacement. Historic fill may be solid waste including, but not limited to, coal ash, wood ash, municipal solid waste incinerator ash, construction and demolition debris, dredged sediments, railroad ballast, refuse and land clearing debris, which was used prior to October 10, 1962. [see 6 NYCRR 375-1.2(x)]

- The nature and localized distribution of VOCs in soil and groundwater does not suggest releases of petroleum or other hazardous substances occurred. The presence of trans-1,2-DCE in groundwater is attributed primarily to upgradient and off-site sources.
- The suite of PAHs found in soil and groundwater are background concentrations attributed to historic fill material and are considered characteristic of properties in the urban environment.
- No indication of primary (e.g., transformers) or secondary sources (e.g., carrier fluids) of PCBs was observed at Parcel F1. No historic uses of the property are known to be associated with a high likelihood of PCB use. Thus, the presence of PCBs in on-site soil is associated with the presence of historic fill material. No PCBs were detected in groundwater.
- The suite of metals and their concentrations detected in soil are characteristic of and attributed to historic fill material. The presence of arsenic above its Restricted-Residential Use SCO in surface and subsurface historic fill across Parcel F1 may be attributable to the quality of the fill material or may be the result of the gradual weathering and leaching of arsenic from the treated, finished and preserved lumber supply historically stored on the property (as evidence by the presence of wood fragments in soil borings). No potential current or historical sources of other metals related to light industrial and/or commercial activity were identified by previous environmental studies. The concentrations of metals in soil are considered background concentrations characteristic of properties in the urban environment.
- The metals (iron, magnesium, manganese, and sodium) frequently detected in groundwater above their TOGS SGVs are characteristic of brackish and naturally-occurring groundwater conditions. The quality of groundwater with respect to metals is primarily influenced by its true natural and brackish condition, which demonstrates that groundwater directly communicates with the estuarine waters of the East River and Newtown Creek. Lead, arsenic and mercury, which were all detected in soil/fill material at concentrations above their Restricted-Residential Use SCOs, were not detected at dissolved concentrations in groundwater on Parcel F1.
- TCE exceeded its AGV in soil vapor at four sampling locations. The presence of TCE in soil vapor may be attributable to the quality of historic fill at or near the soil vapor sampling locations.

The supplemental RI for Parcel F1 and the results of previous environmental investigations provide sufficient information for establishing remedial action objectives, evaluating remedial

action alternatives, and selecting a remedy that is protective of human health and the environment that is consistent with the proposed use of Parcel F1.

7.2 Parcel F2 Conclusions

Based on the previous analytical results, field observations, and supplemental RI analytical data presented in this report, we conclude the following for Parcel F2:

- No potential USTs were identified during the geophysical survey.
- The stratigraphy consists of a surficial layer of historic fill material overlying native fine- to coarse-grained sandy soil and silty soil. The surficial historic fill material generally extends from ground surface to about 10 feet bgs and is composed of heterogeneous layers, each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, cinders, and brick, ceramic, concrete and asphalt fragments.
- No visual, olfactory, or PID evidence of petroleum or other gross contamination was identified. No separate-phase liquids were observed on the site.
- The analytical results are:
    - Consistent with the property's historical light industrial use for the storage of coal/lumber and heavy equipment and machinery,
    - Confirm the presence of historic fill material[9],
    - Support and confirm the findings from previous environmental investigations across the Site and development property, and
    - Consistent with what one would expect to find on urban waterfront property in New York City.
- Although property functioned as a lumber yard for almost a century, there was no indication in soil and groundwater that lumber treatment occurred with any frequency (if at all) across Parcel F2. The presence of arsenic above its Restricted-Residential Use SCO in surface and subsurface historic fill across Parcel F2 may be attributable to the quality of the fill material or may be the result of the gradual weathering and leaching of arsenic from the treated, finished and preserved lumber supply historically stored on the property (as evidence by the presence of wood fragments in soil borings).

[9] As defined by NYS DEC's DER-10 Technical Guidance for Site Investigation and Remediation, Section 1.3 (b) 25: "Historic fill material" means non-indigenous or non-native material, historically deposited or disposed in the general area of, or on, a site to create useable land by filling water bodies, wetlands or topographic depressions, which is in no way connected with the subsequent operations at the location of the emplacement, and which was contaminated prior to emplacement. Historic fill may be solid waste including, but not limited to, coal ash, wood ash, municipal solid waste incinerator ash, construction and demolition debris, dredged sediments, railroad ballast, refuse and land clearing debris, which was used prior to October 10, 1962. [see 6 NYCRR 375-1.2(x)]

- No VOCs were detected above their Unrestricted Use SCOs. The presence of trans-1,2-DCE in groundwater is attributed primarily to upgradient and off-site sources.
- The suite of PAHs found in soil and groundwater are background concentrations attributed to historic fill material and are considered characteristic of properties in the urban environment.
- No PCBs exceeded their Unrestricted Use SCOs and no PCBs were detected in groundwater.
- The suite of metals and their concentrations detected in soil are characteristic of and attributed to historic fill material. The presence of arsenic above its Restricted-Residential Use SCO in surface and subsurface historic fill across Parcel F2 may be attributable to the quality of the fill material or may be the result of the gradual weathering and leaching of arsenic from the treated, finished and preserved lumber supply historically stored on the property (as evidence by the presence of wood fragments in soil borings). No potential current or historical sources of other metals related to light industrial and/or commercial activity were identified by previous environmental studies. The concentrations of metals in soil are considered background concentrations characteristic of properties in the urban environment.
- The metals (iron, magnesium, manganese, and sodium) frequently detected in groundwater above their TOGS SGVs are characteristic of brackish and naturally-occurring groundwater conditions. The quality of groundwater with respect to metals is primarily influenced by its true natural and brackish condition, which demonstrates that groundwater directly communicates with the estuarine waters of the East River and Newtown Creek. Lead, arsenic and mercury, which were all detected in soil/fill material at concentrations above their Restricted-Residential Use SCOs, were not detected at dissolved concentrations in groundwater on Parcel F2.
- TCE exceeded its AGV in soil vapor at one sampling location. The presence of TCE in soil vapor may be attributable to off-site sources of groundwater contamination in the upgradient portion of the Parcel F2.

The supplemental RI for Parcel F2 and the results of previous environmental investigations provide sufficient information for establishing remedial action objectives, evaluating remedial action alternatives, and selecting a remedy that is protective of human health and the environment that is consistent with the proposed use of Parcel F2.

8.0 LIMITATIONS

This Supplemental Remedial Investigation Report for Parcels F1 and F2 was prepared expressly for Greenpoint Storage Terminal, LLC (GST) for the proposed development at Greenpoint Landing, Brooklyn, New York and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific Site addressed in this report, or by any third party without specific written authorization from Langan.

The conclusions, opinions, and recommendations provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples and from environmental reports prepared by other professionals. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions and recommendations.

FIGURES

TABLES

APPENDIX A

SOIL VAPOR SAMPLING LOGS

APPENDIX B

SOIL BORING LOGS

APPENDIX C

WELL CONSTRUCTION LOGS

APPENDIX D

WELL SAMLPING LOGS

APPENDIX E

LABORATORY ANALYTICAL DATA REPORTS – SOIL VAPOR

APPENDIX F

LABORATORY ANALYTICAL DATA REPORTS – SOIL

APPENDIX G

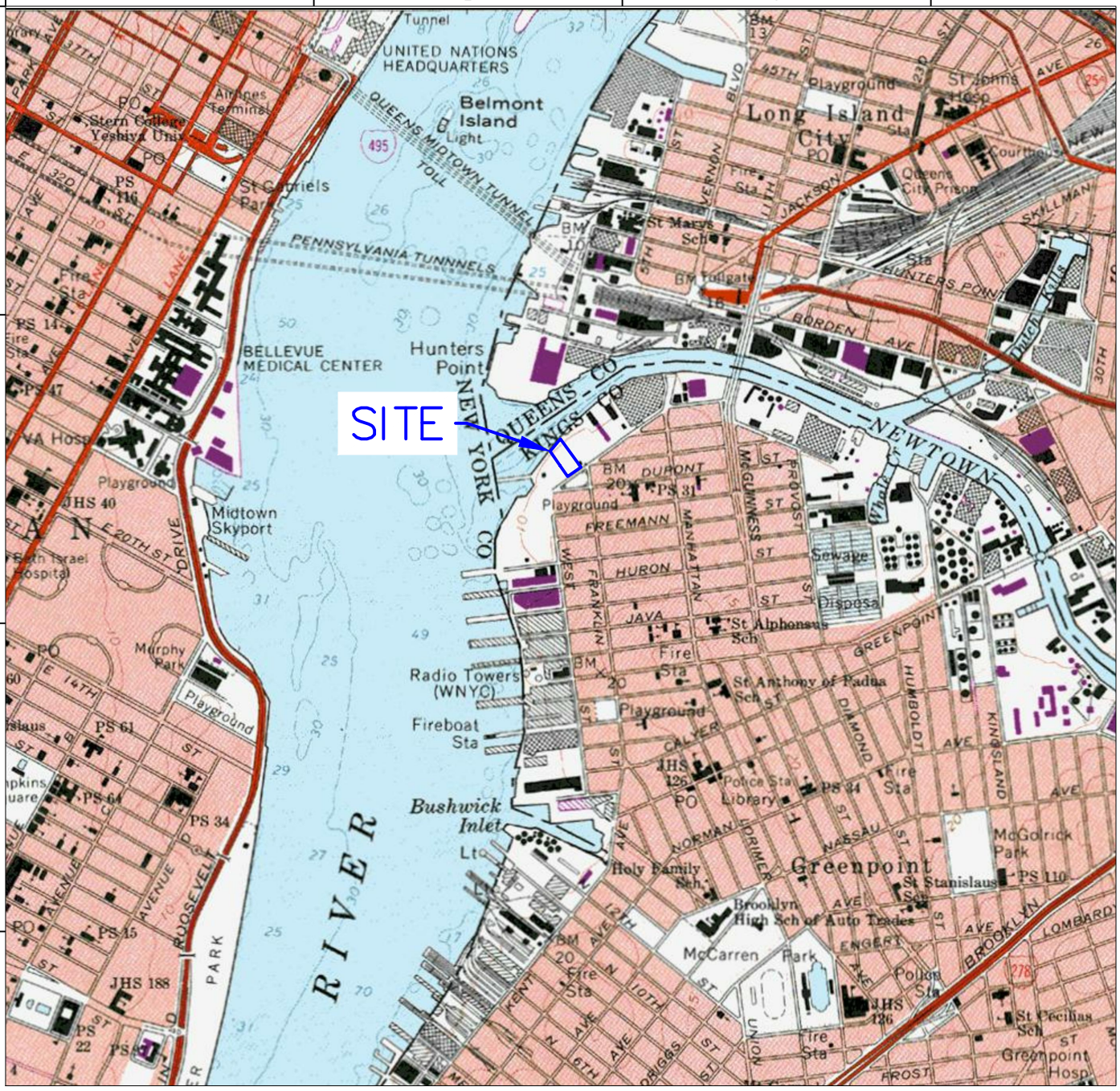
LABORATORY ANALYTICAL DATA REPORTS - GROUNDWATER

APPENDIX H

ANALYTICAL LABORATORY CERTIFICATION

FIGURES

FIGURES



LEGEND

APPROXIMATE SITE BOUNDARY

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SOURCE: USGS TOPOGRAPHIC QUADRANGLE MAP, BROOKLYN, NY

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Project	GREENPOINT LANDING Block 2472, Lot 50 BROOKLYN KINGS NEW YORK
Drawing Title	SITE LOCATION MAP PARCEL F
Project No.	170229002
Date	12/9/2014
Scale	NTS
Drawn By	GCW
Submission Date	12/9/2014
Drawing No.	1
Sheet	1 of 9

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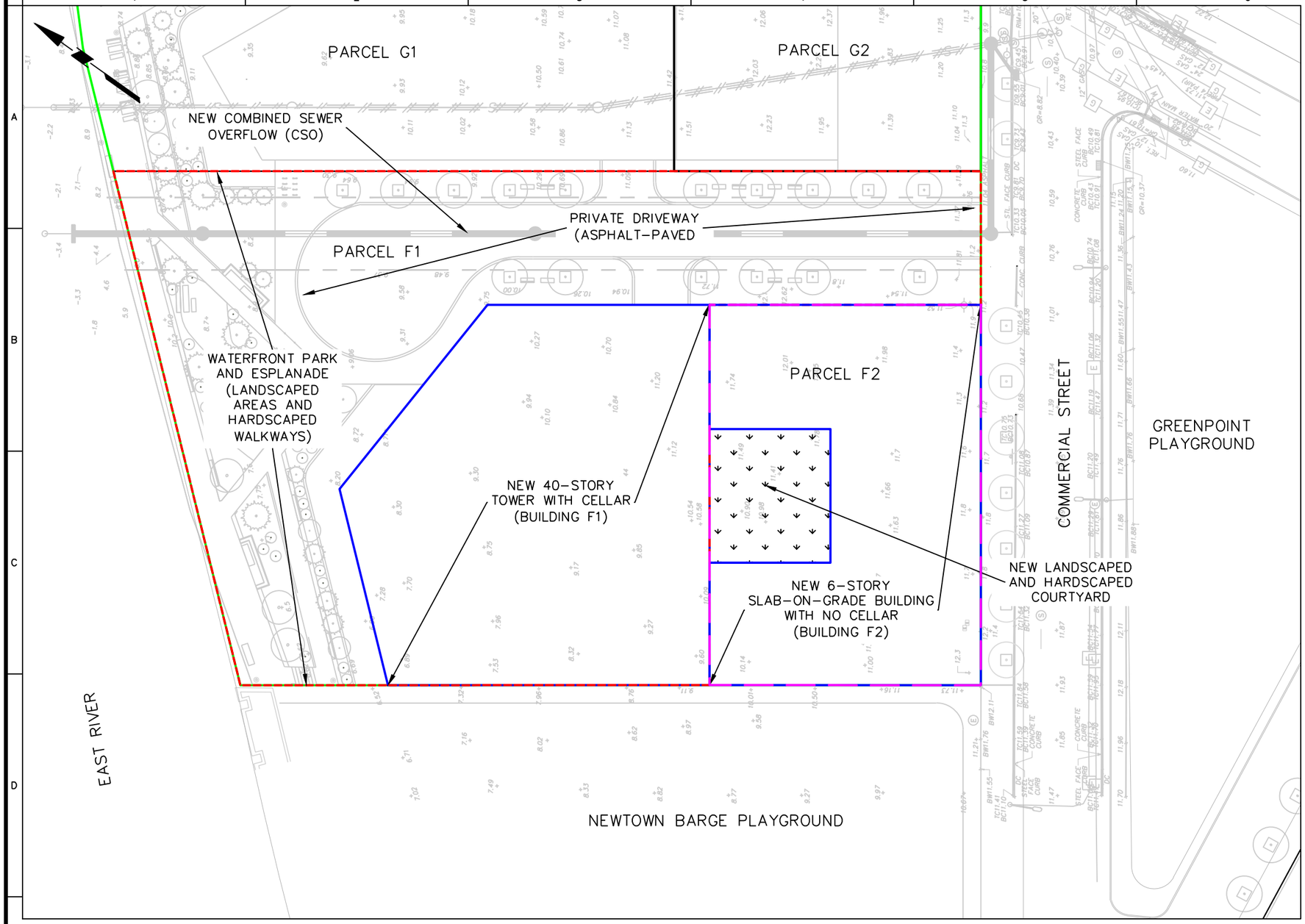

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G1/G2 BOUNDARY
- APPROXIMATE PARCEL F1 BOUNDARY
- APPROXIMATE PARCEL F2 BOUNDARY
- APPROXIMATE NEW BUILDING FOOTPRINTS (BUILDINGS F1 AND F2)

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWINGS "170229002-COMBINED-SURVEY-BLOCK 2742" "170229001-C-UI0101."
2. NORTH ARROW SHOWS TRUE NORTH.

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KINGS NEW YORK

Drawing Title
SITE PLAN
PARCELS F1-F2

Project No. 170229002	Drawing No. 2
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Submission Date 12/9/2014	Sheet 2 of 9

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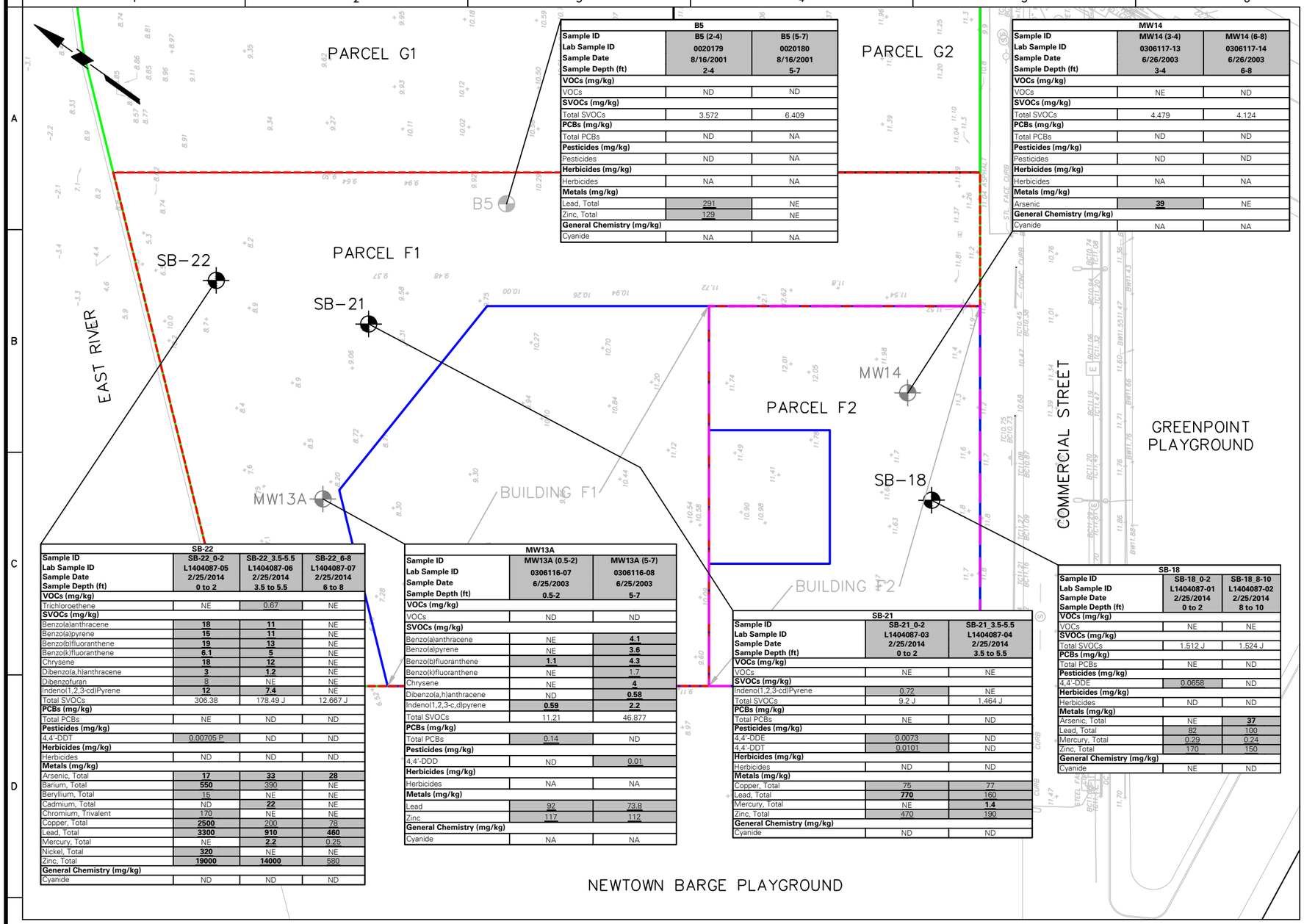

B5		
Sample ID	**B5 (2-4)**	**B5 (5-7)**
Lab Sample ID	**0020179**	**0020180**
Sample Date	**8/16/2001**	**8/16/2001**
Sample Depth (ft)	**2-4**	**5-7**
VOCs (mg/kg)		
VOCs	ND	ND
SVOCs (mg/kg)		
Total SVOCs	3.572	6.409
PCBs (mg/kg)		
Total PCBs	ND	NA
Pesticides (mg/kg)		
Pesticides	ND	NA
Herbicides (mg/kg)		
Herbicides	NA	NA
Metals (mg/kg)		
Lead, Total	291	NE
Zinc, Total	129	NE
General Chemistry (mg/kg)		
Cyanide	NA	NA

MW14		
Sample ID	**MW14 (3-4)**	**MW14 (6-8)**
Lab Sample ID	**0306117-13**	**0306117-14**
Sample Date	**6/26/2003**	**6/26/2003**
Sample Depth (ft)	**3-4**	**6-8**
VOCs (mg/kg)		
VOCs	NE	ND
SVOCs (mg/kg)		
Total SVOCs	4.479	4.124
PCBs (mg/kg)		
Total PCBs	ND	ND
Pesticides (mg/kg)		
Pesticides	ND	ND
Herbicides (mg/kg)		
Herbicides	NA	NA
Metals (mg/kg)		
Arsenic	**39**	NE
General Chemistry (mg/kg)		
Cyanide	NA	NA

SB-22			
Sample ID	**SB-22_0-2**	**SB-22_3.5-5.5**	**SB-22_6-8**
Lab Sample ID	**L1404087-05**	**L1404087-06**	**L1404087-07**
Sample Date	**2/25/2014**	**2/25/2014**	**2/25/2014**
Sample Depth (ft)	**0 to 2**	**3.5 to 5.5**	**6 to 8**
VOCs (mg/kg)			
Trichloroethene	NE	0.67	NE
SVOCs (mg/kg)			
Benzo(a)anthracene	**18**	**11**	NE
Benzo(a)pyrene	**15**	**11**	NE
Benzo(b)fluoranthene	**19**	**13**	NE
Benzo(k)fluoranthene	**6.1**	**5**	NE
Chrysene	**18**	**12**	NE
Dibenzo(a,h)anthracene	**3**	**1.2**	NE
Dibenzofuran	8	NE	NE
Indeno(1,2,3-cd)Pyrene	**12**	**7.4**	NE
Total SVOCs	306.38	178.49 J	12.667 J
PCBs (mg/kg)			
Total PCBs	NE	ND	ND
Pesticides (mg/kg)			
4,4'-DDT	0.00705 P	ND	ND
Herbicides (mg/kg)			
Herbicides	ND	ND	ND
Metals (mg/kg)			
Arsenic, Total	**17**	**33**	**28**
Barium, Total	**550**	390	NE
Beryllium, Total	15	NE	NE
Cadmium, Total	ND	**22**	NE
Chromium, Trivalent	170	NE	NE
Copper, Total	**2500**	200	78
Lead, Total	**3300**	**910**	**460**
Mercury, Total	NE	**2.2**	0.25
Nickel, Total	**320**	NE	NE
Zinc, Total	**19000**	**14000**	580
General Chemistry (mg/kg)			
Cyanide	ND	ND	ND

MW13A		
Sample ID	**MW13A (0.5-2)**	**MW13A (5-7)**
Lab Sample ID	**0306116-07**	**0306116-08**
Sample Date	**6/25/2003**	**6/25/2003**
Sample Depth (ft)	**0.5-2**	**5-7**
VOCs (mg/kg)		
VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	NE	**4.1**
Benzo(a)pyrene	NE	**3.6**
Benzo(b)fluoranthene	**1.1**	**4.3**
Benzo(k)fluoranthene	NE	1.7
Chrysene	NE	**4**
Dibenzo(a,h)anthracene	ND	**0.58**
Indeno(1,2,3-c,d)pyrene	**0.59**	**2.2**
Total SVOCs	11.21	46.877
PCBs (mg/kg)		
Total PCBs	0.14	ND
Pesticides (mg/kg)		
4,4'-DDD	ND	0.01
Herbicides (mg/kg)		
Herbicides	NA	NA
Metals (mg/kg)		
Lead	92	73.8
Zinc	117	112
General Chemistry (mg/kg)		
Cyanide	NA	NA

SB-21		
Sample ID	**SB-21_0-2**	**SB-21_3.5-5.5**
Lab Sample ID	**L1404087-03**	**L1404087-04**
Sample Date	**2/25/2014**	**2/25/2014**
Sample Depth (ft)	**0 to 2**	**3.5 to 5.5**
VOCs (mg/kg)		
VOCs	NE	NE
SVOCs (mg/kg)		
Indeno(1,2,3-cd)Pyrene	0.72	NE
Total SVOCs	9.2 J	1.464 J
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
4,4'-DDE	0.0073	ND
4,4'-DDT	0.0101	ND
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Copper, Total	75	77
Lead, Total	**770**	160
Mercury, Total	NE	**1.4**
Zinc, Total	470	190
General Chemistry (mg/kg)		
Cyanide	ND	ND

SB-18		
Sample ID	**SB-18_0-2**	**SB-18_8-10**
Lab Sample ID	**L1404087-01**	**L1404087-02**
Sample Date	**2/25/2014**	**2/25/2014**
Sample Depth (ft)	**0 to 2**	**8 to 10**
VOCs (mg/kg)		
VOCs	NE	NE
SVOCs (mg/kg)		
Total SVOCs	1.512 J	1.524 J
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
4,4'-DDE	0.0658	ND
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Arsenic, Total	NE	**37**
Lead, Total	82	100
Mercury, Total	0.29	0.24
Zinc, Total	170	150
General Chemistry (mg/kg)		
Cyanide	NE	ND

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G1/G2 BOUNDARY
- APPROXIMATE PARCEL F1 BOUNDARY
- APPROXIMATE PARCEL F2 BOUNDARY
- APPROXIMATE NEW BUILDING FOOTPRINTS (BUILDINGS F1 AND F2)
- B5 — PREVIOUS SOIL BORING LOCATION AND ID (AKRF 2001)
- MW13A — PREVIOUS SOIL BORING LOCATION AND ID (AKRF 2003)
- SB-21 — PREVIOUS SOIL BORING LOCATION AND ID (PHASE 2 RI 2014)

GENERAL NOTES

1. BASE MAP SOURCE: "170299002-COMBINED-SURVEY-BLOCK 2472"
2. SOIL BORING LOCATIONS WERE LOCATED BY GPS.
3. NORTH ARROW SHOWS TRUE NORTH.
4. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC 6 NYCRR PART 375-6.8(A,B) UNRESTRICTED AND RESTRICTED USE RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCO) (TABLE 1).
5. CONCENTRATIONS EXCEEDING THE NYSDEC 6 NYCRR-6.8(A) UNRESTRICTED USE SCOS ARE SHADED AND UNDERLINED.
6. CONCENTRATIONS EXCEEDING THE NYSDEC 6 NYCRR-6.8(B) RESTRICTED-RESIDENTIAL SCOS ARE SHADED, UNDERLINED, AND BOLDED.
7. VOC - VOLATILE ORGANIC COMPOUND
8. SVOC - SEMIVOLATILE ORGANIC COMPOUND
9. PCB - POLYCHLORINATED BIPHENYL
10. mg/kg - MILLIGRAMS PER KILOGRAM
11. NA - NOT ANALYZED
12. NE - RESULTS DO NOT EXCEED CRITERIA
13. ND - NOT DETECTED
14. "~" - CRITERION DOES NOT EXIST
15. J - THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

TABLE 1	NYSDEC PART 375 AND CP-51 UNRESTRICTED USE SCO	NYSDEC PART 375 AND CP-51 RESTRICTED RESIDENTIAL USE SCO
VOCs (mg/kg)		
Trichloroethene	0.47	21
SVOCs (mg/kg)		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzo(a,h)anthracene	0.33	0.33
Dibenzofuran	7	59
Indeno(1,2,3-cd)Pyrene	0.5	0.5
Total SVOCs	~	~
PCB (mg/kg)		
Total PCBs	0.1	1
Pesticides (mg/kg)		
4,4'-DDD	0.0033	13
4,4'-DDE	0.0033	8.9
4,4'-DDT	0.0033	7.9
Metals (mg/kg)		
Arsenic, Total	13	16
Barium, Total	350	400
Beryllium, Total	7.2	72
Cadmium, Total	2.5	4.3
Chromium, Trivalent	30	180
Copper, Total	50	270
Lead, Total	63	400
Mercury, Total	0.18	0.81
Nickel, Total	30	310
Zinc, Total	109	10000

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Project
GREENPOINT LANDING
Block 2472, Lot 50
BROOKLYN
KINGS NEW YORK

Drawing Title
PREVIOUS SOIL ANALYTICAL RESULTS
PARCELS F1 AND F2

Project No. 170229002
Date 12/9/2014
Scale 1' = 50'
Drawn By GCW
Checked By MSR
Submission Date 12/9/2014

Drawing No. 3
Sheet 3 of 9

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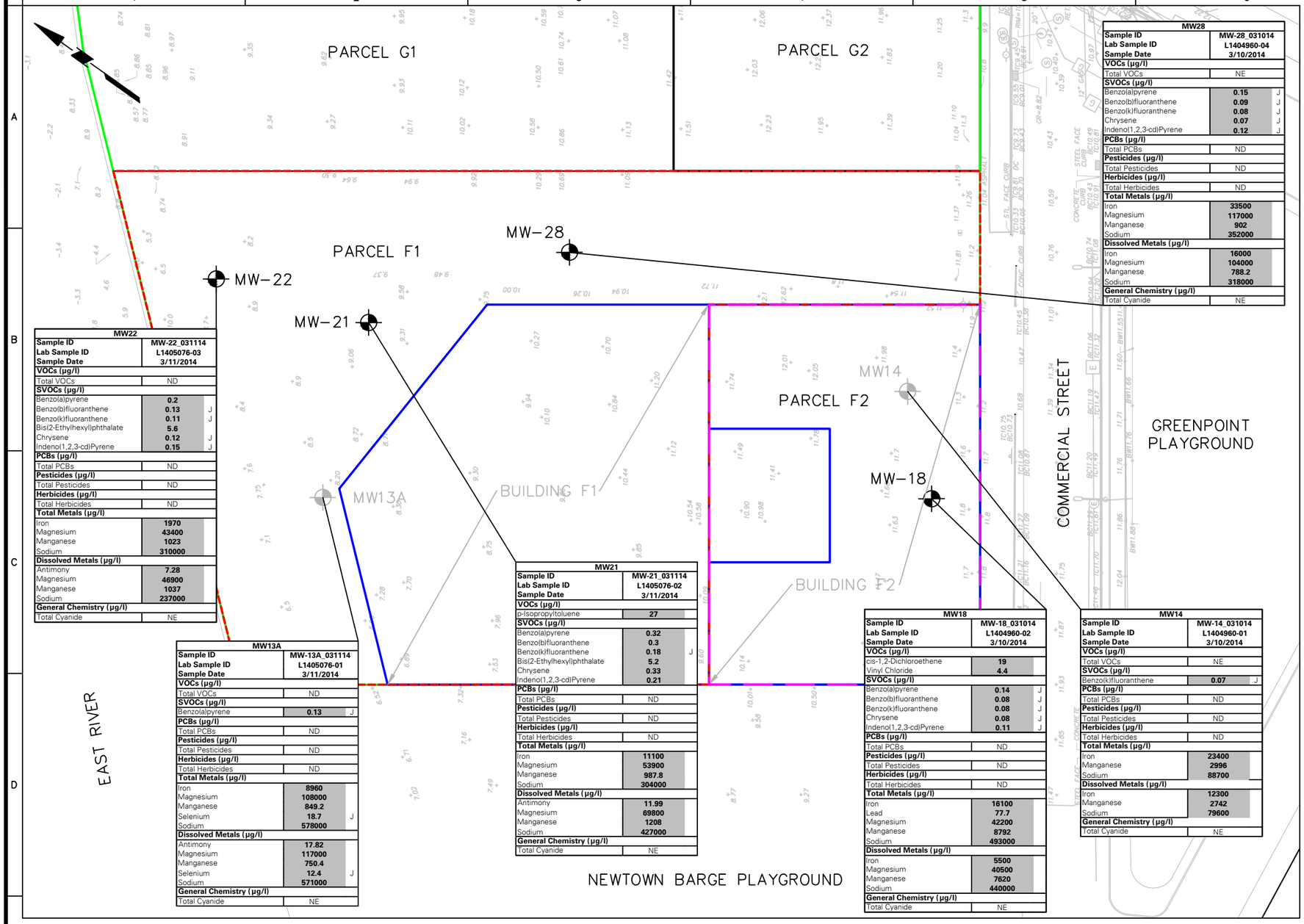

MW22	
Sample ID	**MW-22_031114**
Lab Sample ID	**L1405076-03**
Sample Date	**3/11/2014**
VOCs (µg/l)	
Total VOCs	ND
SVOCs (µg/l)	
Benzo(a)pyrene	0.2
Benzo(b)fluoranthene	0.13 J
Benzo(k)fluoranthene	0.11 J
Bis(2-Ethylhexyl)phthalate	5.6
Chrysene	0.12 J
Indeno(1,2,3-cd)Pyrene	0.15 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	1970
Magnesium	43400
Manganese	1023
Sodium	310000
Dissolved Metals (µg/l)	
Antimony	7.28
Magnesium	46900
Manganese	1037
Sodium	237000
General Chemistry (µg/l)	
Total Cyanide	NE

MW13A	
Sample ID	**MW-13A_031114**
Lab Sample ID	**L1405076-01**
Sample Date	**3/11/2014**
VOCs (µg/l)	
Total VOCs	ND
SVOCs (µg/l)	
Benzo(a)pyrene	0.13 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	8960
Magnesium	108000
Manganese	849.2
Selenium	18.7 J
Sodium	578000
Dissolved Metals (µg/l)	
Antimony	17.82
Magnesium	117000
Manganese	750.4
Selenium	12.4 J
Sodium	571000
General Chemistry (µg/l)	
Total Cyanide	NE

MW21	
Sample ID	**MW-21_031114**
Lab Sample ID	**L1405076-02**
Sample Date	**3/11/2014**
VOCs (µg/l)	
p-Isopropyltoluene	27
SVOCs (µg/l)	
Benzo(a)pyrene	0.32
Benzo(b)fluoranthene	0.3
Benzo(k)fluoranthene	0.18 J
Bis(2-Ethylhexyl)phthalate	5.2
Chrysene	0.33
Indeno(1,2,3-cd)Pyrene	0.21
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	11100
Magnesium	53900
Manganese	987.8
Sodium	304000
Dissolved Metals (µg/l)	
Antimony	11.99
Magnesium	69800
Manganese	1208
Sodium	427000
General Chemistry (µg/l)	
Total Cyanide	NE

MW28	
Sample ID	**MW-28_031014**
Lab Sample ID	**L1404960-04**
Sample Date	**3/10/2014**
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Benzo(a)pyrene	0.15 J
Benzo(b)fluoranthene	0.09 J
Benzo(k)fluoranthene	0.08 J
Chrysene	0.07 J
Indeno(1,2,3-cd)Pyrene	0.12 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	33500
Magnesium	117000
Manganese	902
Sodium	352000
Dissolved Metals (µg/l)	
Iron	16000
Magnesium	104000
Manganese	788.2
Sodium	318000
General Chemistry (µg/l)	
Total Cyanide	NE

MW18	
Sample ID	**MW-18_031014**
Lab Sample ID	**L1404960-02**
Sample Date	**3/10/2014**
VOCs (µg/l)	
cis-1,2-Dichloroethene	19
Vinyl Chloride	4.4
SVOCs (µg/l)	
Benzo(a)pyrene	0.14 J
Benzo(b)fluoranthene	0.08 J
Benzo(k)fluoranthene	0.08 J
Chrysene	0.08 J
Indeno(1,2,3-cd)Pyrene	0.11 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	16100
Lead	77.7
Magnesium	42200
Manganese	8792
Sodium	493000
Dissolved Metals (µg/l)	
Iron	5500
Magnesium	40500
Manganese	7620
Sodium	440000
General Chemistry (µg/l)	
Total Cyanide	NE

MW14	
Sample ID	**MW-14_031014**
Lab Sample ID	**L1404960-01**
Sample Date	**3/10/2014**
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Benzo(k)fluoranthene	0.07 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	23400
Manganese	2996
Sodium	88700
Dissolved Metals (µg/l)	
Iron	12300
Manganese	2742
Sodium	79600
General Chemistry (µg/l)	
Total Cyanide	NE

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G1/G2 BOUNDARY
- APPROXIMATE PARCEL F1 BOUNDARY
- APPROXIMATE PARCEL F2 BOUNDARY
- APPROXIMATE NEW BUILDING FOOTPRINTS (BUILDINGS F1 AND F2)
- MW13A — PREVIOUS MONITORING WELL LOCATION AND ID (AKRF 2003)
- MW-21 — PREVIOUS MONITORING WELL LOCATION AND ID (PHASE 2 RI 2014)

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWING "170229002-COMBINED-SURVEY-BLOCK 2472"
2. PREVIOUS MONITORING WELLS WERE SURVEYED BY LANGAN.
3. NORTH ARROW SHOWS TRUE NORTH
4. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL OPERATIONAL AND GUIDANCE SERIES (TOGS) 1.1.1. AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (SGVS) FOR CLASS GA WATER (TABLE 1)
5. CONCENTRATIONS EXCEEDING THE NYSDEC TOGS 1.1.1 SGVS ARE SHADED AND BOLDED.
6. VOC – VOLATILE ORGANIC COMPOUND
7. SVOC – SEMIVOLATILE ORGANIC COMPOUND
8. PCB – POLYCHLORINATED BIPHENYL
9. µg/l – MICROGRAM PER LITER
10. NE – RESULTS DO NOT EXCEED CRITERIA
11. ND – NOT DETECTED
12. "~" – CRITERION DOES NOT EXIST
13. J – THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

Table 1	NYSDEC TOGS SGV - Class GA
VOCs (µg/l)	
cis-1,2-Dichloroethene	5
p-Isopropyltoluene	5
Vinyl chloride	2
SVOCs (µg/l)	
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Benzo(g,h,i)perylene	0.002
Bis(2-Ethylhexyl)phthalate	5
Chrysene	0.002
Indeno(1,2,3-cd)Pyrene	0.002
PCB (µg/l)	
Total PCBs	0.09
Pesticides (µg/l)	
Total Pesticides	~
Herbicides (µg/l)	
Total Herbicides	~
Total Metals (µg/l)	
Antimony	3
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Selenium	10
Sodium	20000
Dissolved Metals (µg/l)	
Antimony	3
Iron	300
Magnesium	35000
Manganese	300
Selenium	10
Sodium	20000
General Chemistry (µg/l)	
Total Cyanide	200

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Project
GREENPOINT LANDING
Block 2472, Lot 50
BROOKLYN
KINGS **NEW YORK**

Drawing Title
PREVIOUS GROUNDWATER ANALYTICAL RESULTS
PHASE 2 RI
PARCELS F1 AND F2

Project No. 170229002	Drawing No. 4
Date 12/9/2014	
Scale 1' = 50'	
Drawn By GCW / Checked By MSR	
Submission Date 12/9/2014	Sheet 4 of 9

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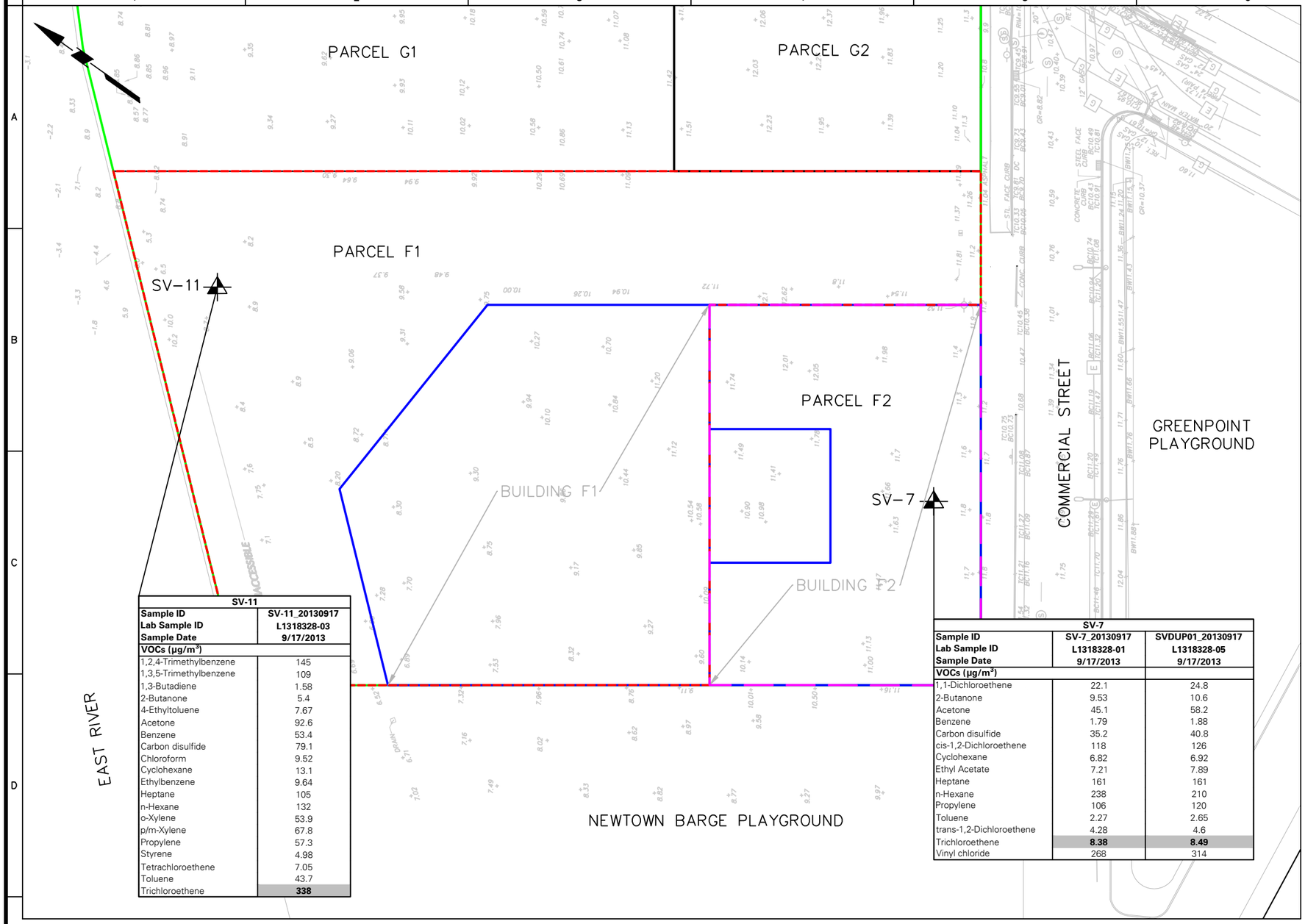
Filename: \\langan.com\data\NY\data0\170229001\Cadd Data - 170229001\SheetFiles\Environmental-Supplemental RI Reports\Supplemental RI Report - Parcel F1-F2\Previous Groundwater Results - F1-F2.dwg Date: 12/16/2014 Time: 15:34 User: gwyka Style Table: Langan.stb Layout: ANSIB-BL



SV-11	
Sample ID	**SV-11_20130917**
Lab Sample ID	**L1318328-03**
Sample Date	**9/17/2013**
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	145
1,3,5-Trimethylbenzene	109
1,3-Butadiene	1.58
2-Butanone	5.4
4-Ethyltoluene	7.67
Acetone	92.6
Benzene	53.4
Carbon disulfide	79.1
Chloroform	9.52
Cyclohexane	13.1
Ethylbenzene	9.64
Heptane	105
n-Hexane	132
o-Xylene	53.9
p/m-Xylene	67.8
Propylene	57.3
Styrene	4.98
Tetrachloroethene	7.05
Toluene	43.7
Trichloroethene	**338**

SV-7		
Sample ID	**SV-7_20130917**	**SVDUP01_20130917**
Lab Sample ID	**L1318328-01**	**L1318328-05**
Sample Date	**9/17/2013**	**9/17/2013**
VOCs (µg/m³)		
1,1-Dichloroethene	22.1	24.8
2-Butanone	9.53	10.6
Acetone	45.1	58.2
Benzene	1.79	1.88
Carbon disulfide	35.2	40.8
cis-1,2-Dichloroethene	118	126
Cyclohexane	6.82	6.92
Ethyl Acetate	7.21	7.89
Heptane	161	161
n-Hexane	238	210
Propylene	106	120
Toluene	2.27	2.65
trans-1,2-Dichloroethene	4.28	4.6
Trichloroethene	**8.38**	**8.49**
Vinyl chloride	268	314

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G1/G2 BOUNDARY
- APPROXIMATE PARCEL F1 BOUNDARY
- APPROXIMATE PARCEL F2 BOUNDARY
- APPROXIMATE NEW BUILDING FOOTPRINTS (BUILDINGS F1 AND F2)
- SV-11 — PREVIOUS SOIL VAPOR SAMPLING LOCATION AND ID (PHASE 1 RI 2013)

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWING "170229002–COMBINED–SURVEY–BLOCK 2742)"
2. PREVIOUS SOIL VAPOR POINTS WERE SURVEYED BY LANGAN.
3. NORTH ARROW SHOWS TRUE NORTH.
4. SOIL VAPOR SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) AIR GUIDELINE VALUES (AGVS).
5. ONLY ANALYTES WITH DETECTIONS ARE SHOWN IN TAG TABLES.
6. CONCENTRATIONS EXCEEDING THE NYSDOH AGVS ARE SHADED AND BOLDED.
7. VOC – VOLATILE ORGANIC COMPOUND
8. µg/m³ – MICROGRAMS PER CUBIC METER

TABLE 1	NYSDOH AGV
VOCs (µg/m³)	
Methylene chloride	60
Tetrachloroethene	30
Trichloroethene	5

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Project
GREENPOINT LANDING
Block 2472, Lot 50
BROOKLYN
KINGS **NEW YORK**

Drawing Title
PREVIOUS SOIL VAPOR ANALYTICAL RESULTS
PHASE 1 RI
PARCELS F1 AND F2

Project No. 170229002	Drawing No. 5
Date 12/9/2014	
Scale 1' = 50'	
Drawn By GCW / Checked By MSR	
Submission Date 12/9/2014	Sheet 5 of 9

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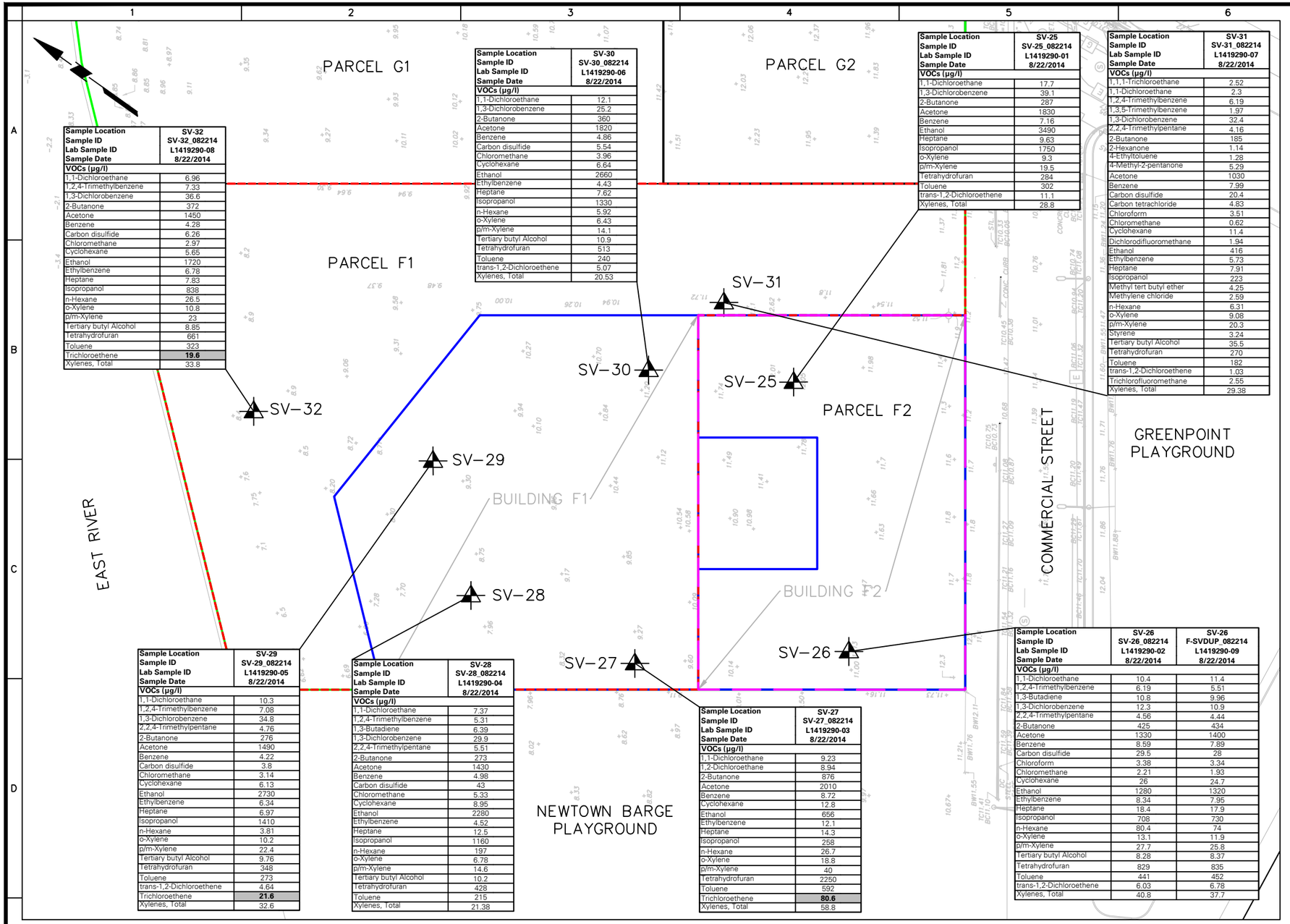

Sample Location	SV-32
Sample ID	SV-32_082214
Lab Sample ID	L1419290-08
Sample Date	8/22/2014
VOCs (µg/l)	
1,1-Dichloroethane	6.96
1,2,4-Trimethylbenzene	7.33
1,3-Dichlorobenzene	36.6
2-Butanone	372
Acetone	1450
Benzene	4.28
Carbon disulfide	6.26
Chloromethane	2.97
Cyclohexane	5.65
Ethanol	1720
Ethylbenzene	6.78
Heptane	7.83
Isopropanol	838
n-Hexane	26.5
o-Xylene	10.8
p/m-Xylene	23
Tertiary butyl Alcohol	8.85
Tetrahydrofuran	661
Toluene	323
Trichloroethene	**19.6**
Xylenes, Total	33.8

Sample Location	SV-30
Sample ID	SV-30_082214
Lab Sample ID	L1419290-06
Sample Date	8/22/2014
VOCs (µg/l)	
1,1-Dichloroethane	12.1
1,3-Dichlorobenzene	25.2
2-Butanone	360
Acetone	1820
Benzene	4.86
Carbon disulfide	5.54
Chloromethane	3.96
Cyclohexane	6.64
Ethanol	2660
Ethylbenzene	4.43
Heptane	7.62
Isopropanol	1330
n-Hexane	5.92
o-Xylene	6.43
p/m-Xylene	14.1
Tertiary butyl Alcohol	10.9
Tetrahydrofuran	513
Toluene	240
trans-1,2-Dichloroethene	5.07
Xylenes, Total	20.53

Sample Location	SV-25
Sample ID	SV-25_082214
Lab Sample ID	L1419290-01
Sample Date	8/22/2014
VOCs (µg/l)	
1,1-Dichloroethane	17.7
1,3-Dichlorobenzene	39.1
2-Butanone	287
Acetone	1830
Benzene	7.16
Ethanol	3490
Heptane	9.63
Isopropanol	1750
o-Xylene	9.3
p/m-Xylene	19.5
Tetrahydrofuran	284
Toluene	302
trans-1,2-Dichloroethene	11.1
Xylenes, Total	28.8

Sample Location	SV-31
Sample ID	SV-31_082214
Lab Sample ID	L1419290-07
Sample Date	8/22/2014
VOCs (µg/l)	
1,1,1-Trichloroethane	2.52
1,1-Dichloroethane	2.3
1,2,4-Trimethylbenzene	6.19
1,3,5-Trimethylbenzene	1.97
1,3-Dichlorobenzene	32.4
2,2,4-Trimethylpentane	4.16
2-Butanone	185
2-Hexanone	1.14
4-Ethyltoluene	1.28
4-Methyl-2-pentanone	5.29
Acetone	1030
Benzene	7.99
Carbon disulfide	20.4
Carbon tetrachloride	4.83
Chloroform	3.51
Chloromethane	0.62
Cyclohexane	11.4
Dichlorodifluoromethane	1.94
Ethanol	416
Ethylbenzene	5.73
Heptane	7.91
Isopropanol	223
Methyl tert butyl ether	4.25
Methylene chloride	2.59
n-Hexane	6.31
o-Xylene	9.08
p/m-Xylene	20.3
Styrene	3.24
Tertiary butyl Alcohol	35.5
Tetrahydrofuran	270
Toluene	182
trans-1,2-Dichloroethene	1.03
Trichlorofluoromethane	2.55
Xylenes, Total	29.38

Sample Location	SV-29
Sample ID	SV-29_082214
Lab Sample ID	L1419290-05
Sample Date	8/22/2014
VOCs (µg/l)	
1,1-Dichloroethane	10.3
1,2,4-Trimethylbenzene	7.08
1,3-Dichlorobenzene	34.8
2,2,4-Trimethylpentane	4.76
2-Butanone	276
Acetone	1490
Benzene	4.22
Carbon disulfide	3.8
Chloromethane	3.14
Cyclohexane	6.13
Ethanol	2730
Ethylbenzene	6.34
Heptane	6.97
Isopropanol	1410
n-Hexane	3.81
o-Xylene	10.2
p/m-Xylene	22.4
Tertiary butyl Alcohol	9.76
Tetrahydrofuran	348
Toluene	273
trans-1,2-Dichloroethene	4.64
Trichloroethene	**21.6**
Xylenes, Total	32.6

Sample Location	SV-28
Sample ID	SV-28_082214
Lab Sample ID	L1419290-04
Sample Date	8/22/2014
VOCs (µg/l)	
1,1-Dichloroethane	7.37
1,2,4-Trimethylbenzene	5.31
1,3-Butadiene	6.39
1,3-Dichlorobenzene	29.9
2,2,4-Trimethylpentane	5.51
2-Butanone	273
Acetone	1430
Benzene	4.98
Carbon disulfide	43
Chloromethane	5.33
Cyclohexane	8.95
Ethanol	2280
Ethylbenzene	4.52
Heptane	12.5
Isopropanol	1160
n-Hexane	197
o-Xylene	6.78
p/m-Xylene	14.6
Tertiary butyl Alcohol	10.2
Tetrahydrofuran	428
Toluene	215
Xylenes, Total	21.38

Sample Location	SV-27
Sample ID	SV-27_082214
Lab Sample ID	L1419290-03
Sample Date	8/22/2014
VOCs (µg/l)	
1,1-Dichloroethane	9.23
1,2-Dichloroethane	8.94
2-Butanone	876
Acetone	2010
Benzene	8.72
Cyclohexane	12.8
Ethanol	656
Ethylbenzene	12.1
Heptane	14.3
Isopropanol	256
n-Hexane	26.7
o-Xylene	18.8
p/m-Xylene	40
Tetrahydrofuran	2250
Toluene	592
Trichloroethene	**80.6**
Xylenes, Total	58.8

Sample Location	SV-26	SV-26
Sample ID	SV-26_082214	F-SVDUP_082214
Lab Sample ID	L1419290-02	L1419290-09
Sample Date	8/22/2014	8/22/2014
VOCs (µg/l)		
1,1-Dichloroethane	10.4	11.4
1,2,4-Trimethylbenzene	6.19	5.51
1,3-Butadiene	10.8	9.96
1,3-Dichlorobenzene	12.3	10.9
2,2,4-Trimethylpentane	4.56	4.44
2-Butanone	425	434
Acetone	1330	1400
Benzene	8.59	7.89
Carbon disulfide	29.5	28
Chloroform	3.38	3.34
Chloromethane	2.21	1.93
Cyclohexane	26	24.7
Ethanol	1280	1320
Ethylbenzene	8.34	7.95
Heptane	18.4	17.9
Isopropanol	708	730
n-Hexane	80.4	74
o-Xylene	13.1	11.9
p/m-Xylene	27.7	25.8
Tertiary butyl Alcohol	8.28	8.37
Tetrahydrofuran	829	835
Toluene	441	452
trans-1,2-Dichloroethene	6.03	6.78
Xylenes, Total	40.8	37.7

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G1/G2 BOUNDARY
- APPROXIMATE PARCEL F1 BOUNDARY
- APPROXIMATE PARCEL F2 BOUNDARY
- APPROXIMATE NEW BUILDING FOOTPRINTS (BUILDINGS F1 AND F2)
- SV-25 SOIL VAPOR SAMPLING POINT LOCATION AND ID (SUPPLEMENTAL RI 2014)

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWING "170229002-COMBINED-SURVEY-BLOCK 2472"
2. NORTH ARROW SHOWS TRUE NORTH.
3. SOIL VAPOR ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) AIR GUIDELINE VALUES (AGV) (TABLE 1).
4. CONCENTRATIONS EXCEEDING THE NYSDOH AGVS ARE SHADED AND BOLDED.
5. VOC – VOLATILE ORGANIC COMPOUND
6. $\mu g/m^3$ – MICROGRAMS PER CUBIC METER
7. "~" – CRITERION DOES NOT EXIST
8. ONE AMBIENT AIR SAMPLE, F-AA01_082214, WAS COLLECTED AND ANALYZED. THE RESULTS DID NOT EXCEED THE NYSDOH AGV CRITERIA.

TABLE 1	NYSDOH AGV
VOCs ($\mu g/m^3$)	
Methylene chloride	60
Tetrachloroethene	30
Trichloroethene	5

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Project
GREENPOINT LANDING
Block 2472, Lot 50
BROOKLYN
KINGS NEW YORK

Drawing Title
SOIL VAPOR ANALYTICAL RESULTS
SUPPLEMENTAL RI
PARCELS F1 AND F2

Project No. 170229002	Drawing No. 6
Date 12/9/2014	
Scale 1' = 50'	
Drawn By GCW / Checked By MSR	
Submission Date 12/9/2014	Sheet 6 of 9

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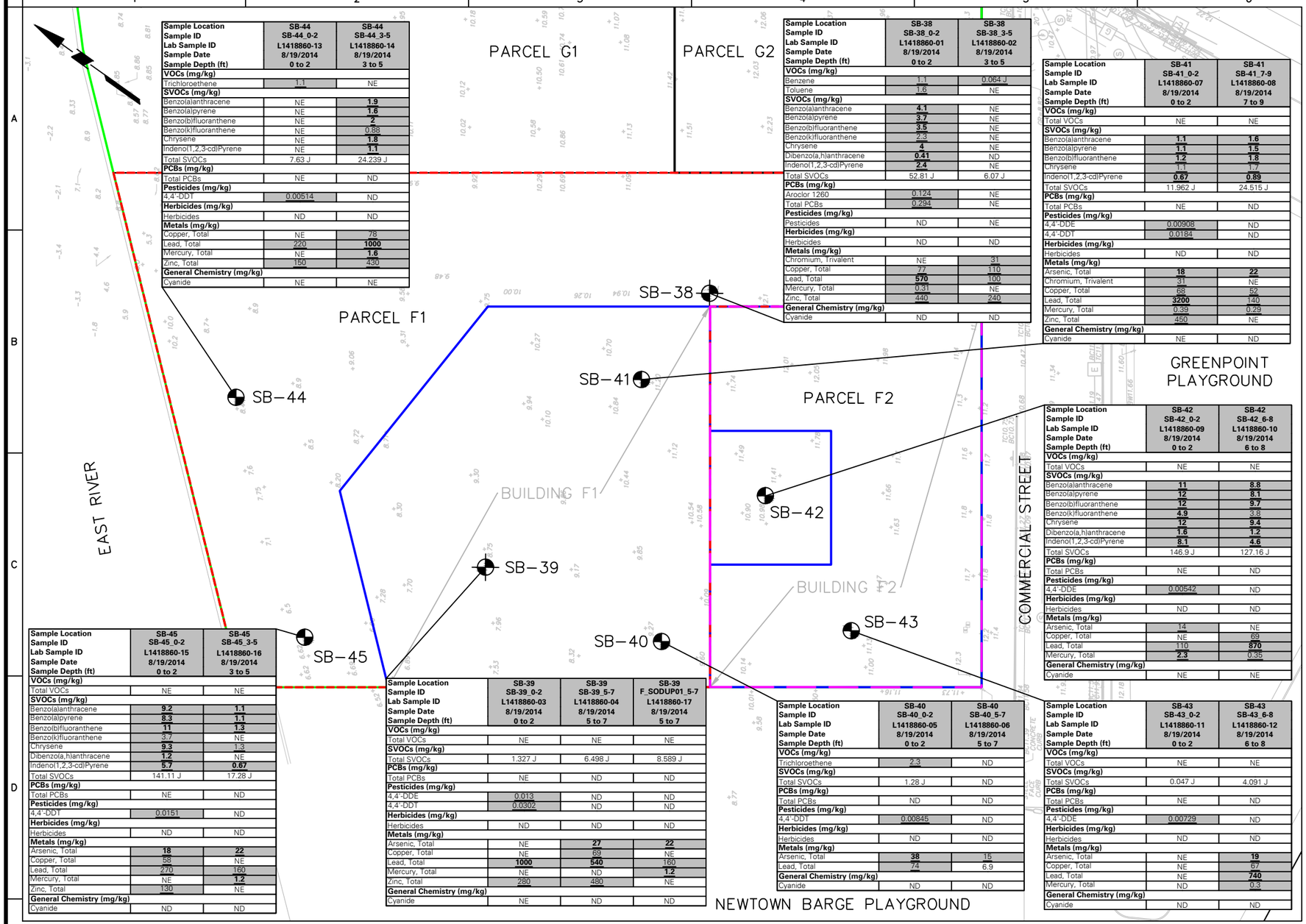

Sample Location	SB-44	SB-44
Sample ID	SB-44_0-2	SB-44_3-5
Lab Sample ID	L1418860-13	L1418860-14
Sample Date	8/19/2014	8/19/2014
Sample Depth (ft)	0 to 2	3 to 5
VOCs (mg/kg)		
Trichloroethene	1.1	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	NE	**1.9**
Benzo(a)pyrene	NE	**1.6**
Benzo(b)fluoranthene	NE	**2**
Benzo(k)fluoranthene	NE	0.88
Chrysene	NE	**1.8**
Indeno(1,2,3-cd)Pyrene	NE	**1.1**
Total SVOCs	7.63 J	24.239 J
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
4,4'-DDT	0.00514	ND
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Copper, Total	NE	78
Lead, Total	220	**1000**
Mercury, Total	NE	**1.6**
Zinc, Total	150	430
General Chemistry (mg/kg)		
Cyanide	NE	NE

Sample Location	SB-38	SB-38
Sample ID	SB-38_0-2	SB-38_3-5
Lab Sample ID	L1418860-01	L1418860-02
Sample Date	8/19/2014	8/19/2014
Sample Depth (ft)	0 to 2	3 to 5
VOCs (mg/kg)		
Benzene	1.1	0.064 J
Toluene	1.6	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	**4.1**	NE
Benzo(a)pyrene	**3.7**	NE
Benzo(b)fluoranthene	**3.5**	NE
Benzo(k)fluoranthene	2.3	NE
Chrysene	**4**	NE
Dibenzo(a,h)anthracene	**0.41**	ND
Indeno(1,2,3-cd)Pyrene	**2.4**	NE
Total SVOCs	52.81 J	6.07 J
PCBs (mg/kg)		
Aroclor 1260	0.124	NE
Total PCBs	0.294	NE
Pesticides (mg/kg)		
Pesticides	ND	NE
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Chromium, Trivalent	NE	31
Copper, Total	77	110
Lead, Total	**570**	100
Mercury, Total	0.31	NE
Zinc, Total	440	240
General Chemistry (mg/kg)		
Cyanide	ND	ND

Sample Location	SB-41	SB-41
Sample ID	SB-41_0-2	SB-41_7-9
Lab Sample ID	L1418860-07	L1418860-08
Sample Date	8/19/2014	8/19/2014
Sample Depth (ft)	0 to 2	7 to 9
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	**1.1**	**1.6**
Benzo(a)pyrene	**1.1**	**1.5**
Benzo(b)fluoranthene	**1.2**	**1.8**
Chrysene	1.1	1.7
Indeno(1,2,3-cd)Pyrene	**0.67**	**0.89**
Total SVOCs	11.962 J	24.515 J
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
4,4'-DDE	0.00908	ND
4,4'-DDT	0.0184	ND
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Arsenic, Total	**18**	**22**
Chromium, Trivalent	31	NE
Copper, Total	68	52
Lead, Total	**3200**	140
Mercury, Total	0.39	0.29
Zinc, Total	450	NE
General Chemistry (mg/kg)		
Cyanide	NE	ND

Sample Location	SB-42	SB-42
Sample ID	SB-42_0-2	SB-42_6-8
Lab Sample ID	L1418860-09	L1418860-10
Sample Date	8/19/2014	8/19/2014
Sample Depth (ft)	0 to 2	6 to 8
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	**11**	**8.8**
Benzo(a)pyrene	**12**	**8.1**
Benzo(b)fluoranthene	**12**	**9.7**
Benzo(k)fluoranthene	**4.9**	3.8
Chrysene	**12**	**9.4**
Dibenzo(a,h)anthracene	**1.6**	**1.2**
Indeno(1,2,3-cd)Pyrene	**8.1**	**4.6**
Total SVOCs	146.9 J	127.16 J
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
4,4'-DDE	0.00542	ND
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Arsenic, Total	14	NE
Copper, Total	NE	69
Lead, Total	110	**870**
Mercury, Total	**2.3**	0.35
General Chemistry (mg/kg)		
Cyanide	NE	NE

Sample Location	SB-45	SB-45
Sample ID	SB-45_0-2	SB-45_3-5
Lab Sample ID	L1418860-15	L1418860-16
Sample Date	8/19/2014	8/19/2014
Sample Depth (ft)	0 to 2	3 to 5
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	**9.2**	**1.1**
Benzo(a)pyrene	**8.3**	**1.1**
Benzo(b)fluoranthene	**11**	**1.3**
Benzo(k)fluoranthene	3.7	NE
Chrysene	**9.3**	1.3
Dibenzo(a,h)anthracene	**1.2**	NE
Indeno(1,2,3-cd)Pyrene	**5.7**	**0.67**
Total SVOCs	141.11 J	17.28 J
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
4,4'-DDT	0.0151	ND
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Arsenic, Total	**18**	**22**
Copper, Total	58	NE
Lead, Total	270	160
Mercury, Total	NE	**1.2**
Zinc, Total	130	NE
General Chemistry (mg/kg)		
Cyanide	ND	ND

Sample Location	SB-39	SB-39	SB-39
Sample ID	SB-39_0-2	SB-39_5-7	F_SODUP01_5-7
Lab Sample ID	L1418860-03	L1418860-04	L1418860-17
Sample Date	8/19/2014	8/19/2014	8/19/2014
Sample Depth (ft)	0 to 2	5 to 7	5 to 7
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Total SVOCs	1.327 J	6.498 J	8.589 J
PCBs (mg/kg)			
Total PCBs	NE	ND	ND
Pesticides (mg/kg)			
4,4'-DDE	0.013	ND	ND
4,4'-DDT	0.0302	ND	ND
Herbicides (mg/kg)			
Herbicides	ND	ND	ND
Metals (mg/kg)			
Arsenic, Total	NE	**27**	**22**
Copper, Total	NE	69	NE
Lead, Total	**1000**	**540**	160
Mercury, Total	NE	ND	**1.2**
Zinc, Total	280	480	NE
General Chemistry (mg/kg)			
Cyanide	NE	ND	ND

Sample Location	SB-40	SB-40
Sample ID	SB-40_0-2	SB-40_5-7
Lab Sample ID	L1418860-05	L1418860-06
Sample Date	8/19/2014	8/19/2014
Sample Depth (ft)	0 to 2	5 to 7
VOCs (mg/kg)		
Trichloroethene	2.3	ND
SVOCs (mg/kg)		
Total SVOCs	1.28 J	ND
PCBs (mg/kg)		
Total PCBs	ND	ND
Pesticides (mg/kg)		
4,4'-DDT	0.00845	ND
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Arsenic, Total	**38**	15
Lead, Total	74	6.9
General Chemistry (mg/kg)		
Cyanide	ND	ND

Sample Location	SB-43	SB-43
Sample ID	SB-43_0-2	SB-43_6-8
Lab Sample ID	L1418860-11	L1418860-12
Sample Date	8/19/2014	8/19/2014
Sample Depth (ft)	0 to 2	6 to 8
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Total SVOCs	0.047 J	4.091 J
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
4,4'-DDE	0.00729	ND
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Arsenic, Total	NE	**19**
Copper, Total	NE	67
Lead, Total	NE	**740**
Mercury, Total	ND	0.3
General Chemistry (mg/kg)		
Cyanide	ND	ND

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G1/G2 BOUNDARY
- APPROXIMATE PARCEL F1 BOUNDARY
- APPROXIMATE PARCEL F2 BOUNDARY
- APPROXIMATE NEW BUILDING FOOTPRINTS (BUILDINGS F1 AND F2)
- SB-39 SOIL BORING LOCATION AND ID (SUPPLEMENTAL RI 2014)

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWING "170229002-COMBINED-SURVEY-BLOCK 2472"
2. SOIL BORING LOCATIONS WERE LOCATED BY GPS.
3. NORTH ARROW SHOWS TRUE NORTH.
4. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC 6 NYCRR PART 375-6.8(A,B) AND CP-51 UNRESTRICTED USE AND RESTRICTED USE RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCOS) (TABLE 1).
5. CONCENTRATIONS EXCEEDING THE NYSDEC PART 375-6.8(A) UNRESTRICTED USE SCOS ARE SHADED AND UNDERLINED.
6. CONCENTRATIONS EXCEEDING THE NYSDEC PART 375-6.8(B) RESTRICTED-RESIDENTIALUSE SCOS ARE SHADED, UNDERLINED, AND BOLDED.
7. VOC - VOLATILE ORGANIC COMPOUND
8. SVOC - SEMIVOLATILE ORGANIC COMPOUND
9. PCB - POLYCHLORINATED BIPHENYL
10. mg/kg - MILLIGRAM PER KILOGRAM
11. NA - NOT ANALYZED
12. NE - RESULTS DO NOT EXCEED CRITERIA
13. ND - NOT DETECTED
14. "~" - CRITERION DOES NOT EXIST
16. J - THE ANALYTE WAS DETECTED ABOVE THE METHO DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

TABLE 1	NYSDEC Part 375 and CP-51 Unrestricted Use SCO	NYSDEC Part 375 and CP-51 Restricted-Residential Use SCO
VOCs (mg/kg)		
Trichloroethene	0.47	21
SVOCs (mg/kg)		
Benzo(a)anthracene	1	1
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)Pyrene	0.5	0.5
Total SVOCs	~	~
PCBs (mg/kg)		
Aroclor 1260	0.1	1
Total PCBs	0.1	1
Pesticides (mg/kg)		
4,4'-DDE	0.0033	8.9
4,4'-DDT	0.0033	7.9
Metals (mg/kg)		
Chromium, Trivalent	30	180
Arsenic, Total	13	16
Copper, Total	50	270
Lead, Total	63	400
Mercury, Total	0.18	0.81
Zinc, Total	109	10000
General Chemistry (mg/kg)		
Cyanide	27	40

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Collectively known as Langan

Project
GREENPOINT LANDING
Block 2472, Lot 50
BROOKLYN
KINGS NEW YORK

Drawing Title
SOIL ANALYTICAL RESULTS
SUPPLEMENTAL RI
PARCELS F1 AND F2

Project No. 170229002
Date 12/9/2014
Scale 1' = 50'
Drawn By GCW | Checked By MSR
Submission Date 12/9/2014

Drawing No. 7
Sheet 7 of 9

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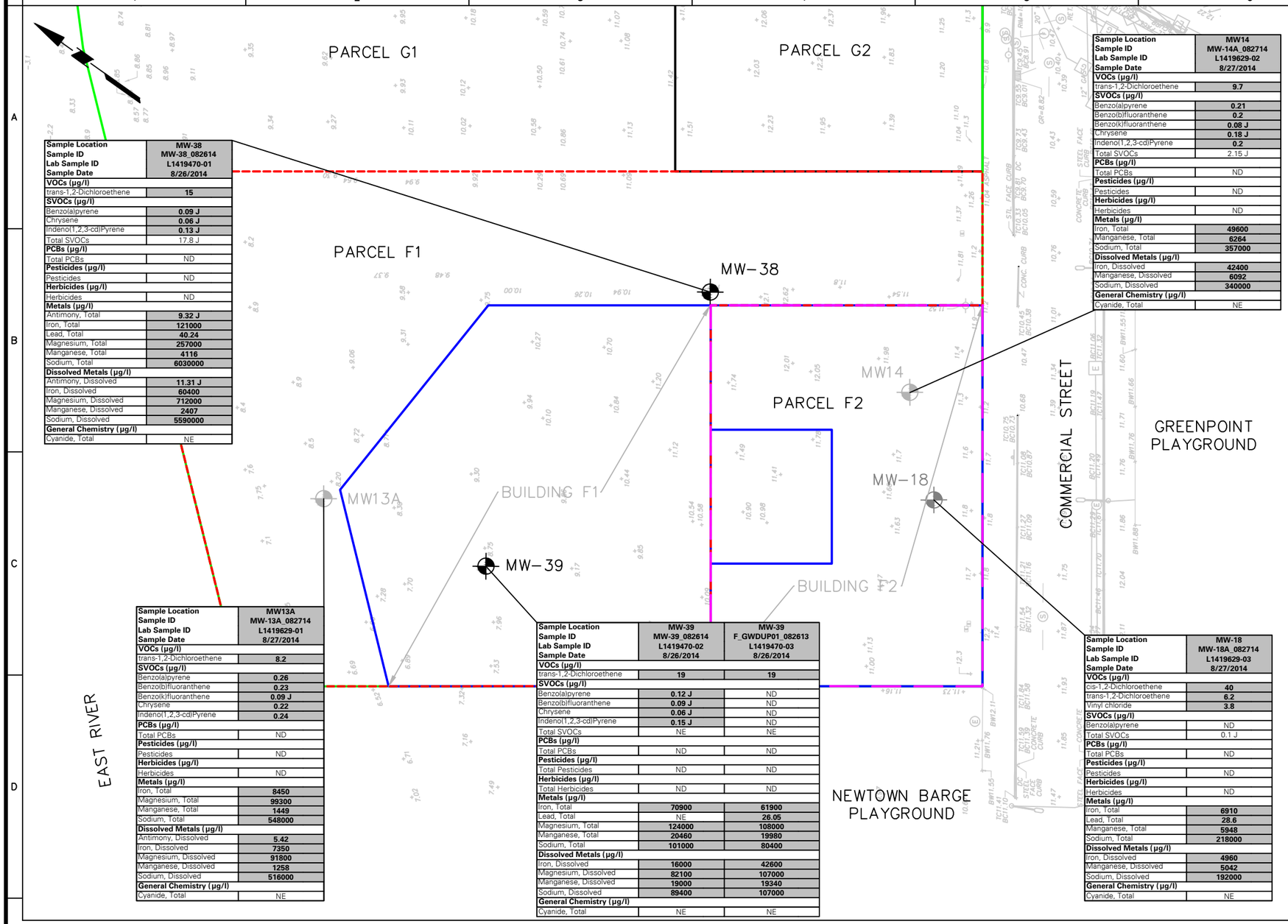

Sample Location	MW-38
Sample ID	MW-38_082614
Lab Sample ID	L1419470-01
Sample Date	8/26/2014
VOCs (µg/l)	
trans-1,2-Dichloroethene	15
SVOCs (µg/l)	
Benzo(a)pyrene	0.09 J
Chrysene	0.06 J
Indeno(1,2,3-cd)Pyrene	0.13 J
Total SVOCs	17.8 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Pesticides	ND
Herbicides (µg/l)	
Herbicides	ND
Metals (µg/l)	
Antimony, Total	9.32 J
Iron, Total	121000
Lead, Total	40.24
Magnesium, Total	257000
Manganese, Total	4116
Sodium, Total	6030000
Dissolved Metals (µg/l)	
Antimony, Dissolved	11.31 J
Iron, Dissolved	60400
Magnesium, Dissolved	712000
Manganese, Dissolved	2407
Sodium, Dissolved	5590000
General Chemistry (µg/l)	
Cyanide, Total	NE

Sample Location	MW14
Sample ID	MW-14A_082714
Lab Sample ID	L1419629-02
Sample Date	8/27/2014
VOCs (µg/l)	
trans-1,2-Dichloroethene	9.7
SVOCs (µg/l)	
Benzo(a)pyrene	0.21
Benzo(b)fluoranthene	0.2
Benzo(k)fluoranthene	0.08 J
Chrysene	0.18 J
Indeno(1,2,3-cd)Pyrene	0.2
Total SVOCs	2.15 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Pesticides	ND
Herbicides (µg/l)	
Herbicides	ND
Metals (µg/l)	
Iron, Total	49600
Manganese, Total	6264
Sodium, Total	357000
Dissolved Metals (µg/l)	
Iron, Dissolved	42400
Manganese, Dissolved	6092
Sodium, Dissolved	340000
General Chemistry (µg/l)	
Cyanide, Total	NE

Sample Location	MW13A
Sample ID	MW-13A_082714
Lab Sample ID	L1419629-01
Sample Date	8/27/2014
VOCs (µg/l)	
trans-1,2-Dichloroethene	8.2
SVOCs (µg/l)	
Benzo(a)pyrene	0.26
Benzo(b)fluoranthene	0.23
Benzo(k)fluoranthene	0.09 J
Chrysene	0.22
Indeno(1,2,3-cd)Pyrene	0.24
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Pesticides	ND
Herbicides (µg/l)	
Herbicides	ND
Metals (µg/l)	
Iron, Total	8450
Magnesium, Total	99300
Manganese, Total	1449
Sodium, Total	548000
Dissolved Metals (µg/l)	
Antimony, Dissolved	5.42
Iron, Dissolved	7350
Magnesium, Dissolved	91800
Manganese, Dissolved	1258
Sodium, Dissolved	516000
General Chemistry (µg/l)	
Cyanide, Total	NE

Sample Location	MW-39	MW-39
Sample ID	MW-39_082614	F_GWDUP01_082613
Lab Sample ID	L1419470-02	L1419470-03
Sample Date	8/26/2014	8/26/2014
VOCs (µg/l)		
trans-1,2-Dichloroethene	19	19
SVOCs (µg/l)		
Benzo(a)pyrene	0.12 J	ND
Benzo(b)fluoranthene	0.09 J	ND
Chrysene	0.06 J	ND
Indeno(1,2,3-cd)Pyrene	0.15 J	ND
Total SVOCs	NE	NE
PCBs (µg/l)		
Total PCBs	ND	ND
Pesticides (µg/l)		
Total Pesticides	ND	ND
Herbicides (µg/l)		
Total Herbicides	ND	ND
Metals (µg/l)		
Iron, Total	70900	61900
Lead, Total	NE	26.05
Magnesium, Total	124000	108000
Manganese, Total	20460	19980
Sodium, Total	101000	80400
Dissolved Metals (µg/l)		
Iron, Dissolved	16000	42600
Magnesium, Dissolved	82100	107000
Manganese, Dissolved	19000	19340
Sodium, Dissolved	89400	107000
General Chemistry (µg/l)		
Cyanide, Total	NE	NE

Sample Location	MW-18
Sample ID	MW-18A_082714
Lab Sample ID	L1419629-03
Sample Date	8/27/2014
VOCs (µg/l)	
cis-1,2-Dichloroethene	40
trans-1,2-Dichloroethene	6.2
Vinyl chloride	3.8
SVOCs (µg/l)	
Benzo(a)pyrene	ND
Total SVOCs	0.1 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Pesticides	ND
Herbicides (µg/l)	
Herbicides	ND
Metals (µg/l)	
Iron, Total	6910
Lead, Total	28.6
Manganese, Total	5948
Sodium, Total	218000
Dissolved Metals (µg/l)	
Iron, Dissolved	4960
Manganese, Dissolved	5042
Sodium, Dissolved	192000
General Chemistry (µg/l)	
Cyanide, Total	NE

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G1/G2 BOUNDARY
- APPROXIMATE PARCEL F1 BOUNDARY
- APPROXIMATE PARCEL F2 BOUNDARY
- APPROXIMATE NEW BUILDING FOOTPRINTS (BUILDINGS F1 AND F2)
- MW13A — PREVIOUS MONITORING WELL LOCATION AND ID (AKRF 2003)
- MW-21 — PREVIOUS MONITORING WELL LOCATION AND ID (PHASE 2 RI 2014)
- MW-38 — MONITORING WELL LOCATION AND ID (SUPPLEMENTAL RI 2014)

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWING "170229002-COMBINED-SURVEY-BLOCK 2742"
2. MONITORING WELLS WERE SURVEYED BY LANGAN.
3. NORTH ARROW SHOWS TRUE NORTH.
4. GROUNDWATER SAMPLE RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (SGVS) FOR CLASS GA WATER (TABLE 1).
5. CONCENTRATIONS EXCEEDING THE NYSDEC TOGS 1.1.1 SGVS ARE SHADED AND BOLDED.
6. VOC – VOLATILE ORGANIC COMPOUND
7. SVOC – SEMIVOLATILE ORGANIC COMPOUND
8. PCB – POLYCHLORINATED BIPHENYL
9. µg/L – MICROGRAM PER LITER
10. NE – RESULTS DO NOT EXCEED CRITERIA
11. ND – NOT DETECTED
12. "~" – CRITERION DOES NOT EXIST
13. J – THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

TABLE 1	NYSDEC TOGS SGV - Class GA
VOCs (µg/l)	
cis-1,2-Dichloroethene	5
trans-1,2-Dichloroethene	5
Vinyl chloride	2
SVOCs (µg/l)	
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)Pyrene	0.002
Total SVOCs	~
PCBs (µg/l)	
Total PCBs	0.09
Pesticides (µg/l)	
Total Pesticides	~
Herbicides (µg/l)	
Total Herbicides	~
Metals (µg/l)	
Antimony, Total	3
Iron, Total	300
Lead, Total	25
Magnesium, Total	35000
Manganese, Total	300
Sodium, Total	20000
Dissolved Metals (µg/l)	
Antimony, Dissolved	3
Iron, Dissolved	300
Magnesium, Dissolved	35000
Manganese, Dissolved	300
Sodium, Dissolved	20000
General Chemistry (µg/l)	
Cyanide, Total	200

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Project
GREENPOINT LANDING
Block 2472, Lot 50
BROOKLYN
KINGS NEW YORK

Drawing Title
GROUNDWATER ANALYTICAL RESULTS
SUPPLEMENTAL RI
PARCELS F1 AND F2

Project No. 170229002
Date 12/9/2014
Scale 1' = 50'
Drawn By GCW | Checked By MSR
Submission Date 12/9/2014

Drawing No. 8
Sheet 8 of 9

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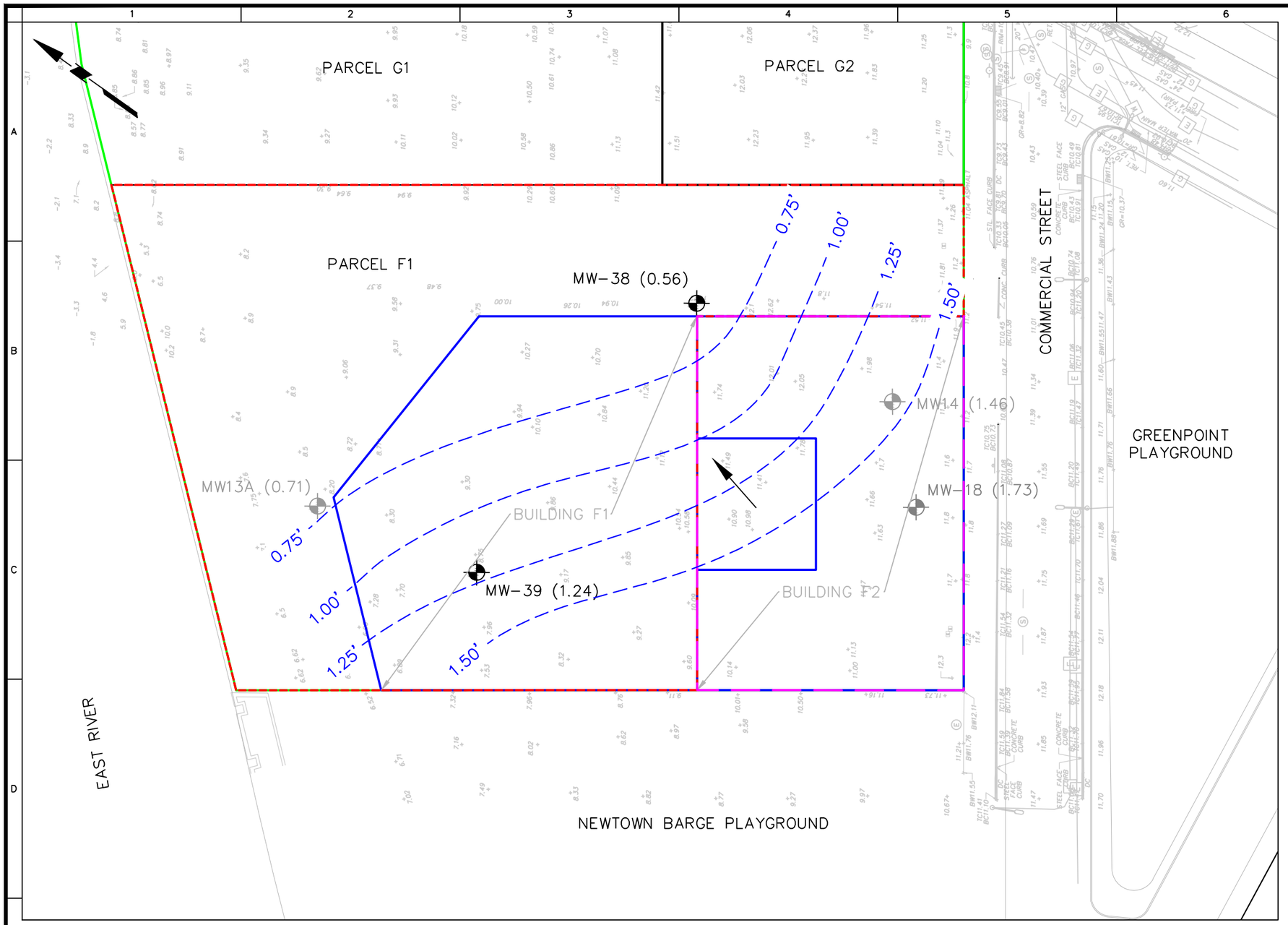

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G1/G2 BOUNDARY
- APPROXIMATE PARCEL F1 BOUNDARY
- APPROXIMATE PARCEL F2 BOUNDARY
- APPROXIMATE NEW BUILDING FOOTPRINTS (BUILDINGS F1 AND F2)
- MW13A — PREVIOUS MONITORING WELL LOCATION, ID, AND GROUNDWATER ELEVATION (AKRF 2003)
- MW-21 — PREVIOUS MONITORING WELL LOCATION, ID, AND GROUNDWATER ELEVATION (PHASE 2 RI 2014)
- MW-38 — MONITORING WELL LOCATION AND ID (SUPPLEMENTAL RI 2014)
- INFERRED GROUNDWATER CONTOUR
- DIRECTION OF GROUNDWATER FLOW

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "130215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. MONITORING WELLS WERE SURVEYED BY LANGAN.
3. NORTH ARROW SHOWS TRUE NORTH.
4. A SYNOPTIC MONITORING WELL GAUGING EVENT WAS CONDUCTED BY LANGAN ON AUGUST 28, 2014. THE GAUGING RECORD IS PRESENTED IN THE SUPPLEMENTAL RI REPORT.
5. GROUNDWATER ELEVATIONS ARE BASED IN NATIONAL VERTICAL DATUM OF 1988 (NAVD88), WHICH IS APPROXIMATELY 1.1 FEET ABOVE MEAN SEA LEVEL DATUM AT SANDY HOOK NEW JERSEY AS DEFINED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS NGVD 1929).

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Project
GREENPOINT LANDING
Block 2472, Lot 50
BROOKLYN
KINGS NEW YORK

Drawing Title
GROUNDWATER CONTOUR MAP
PARCELS F1 AND F2

Project No. 170229002	Drawing No. 9
Date 12/9/2014	
Scale 1' = 50'	
Drawn By GCW / Checked By MSR	
Submission Date 12/9/2014	Sheet 9 of 9

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TABLES

Table 1A
Soil Vapor, Soil, and Groundwater Sample Summary
Supplemental Remedial Investigation Report - Parcel F1 and F2

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample ID	Boring ID	Sample Date	Sample Type	Depth (ft bgs)	Analysis
SOIL VAPOR SAMPLES						
1	SV-25_082214	SV-25	8/22/2014	Soil Vapor	6	TO-15 VOCs
2	SV-26_082214	SV-26	8/22/2014	Soil Vapor	6	TO-15 VOCs
3	SV-27_082214	SV-27	8/22/2014	Soil Vapor	5	TO-15 VOCs
4	SV-28_082214	SV-28	8/22/2014	Soil Vapor	5	TO-15 VOCs
5	SV-29_082214	SV-29	8/22/2014	Soil Vapor	5	TO-15 VOCs
6	SV-30_082214	SV-30	8/22/2014	Soil Vapor	6	TO-15 VOCs
7	SV-31_082214	SV-31	8/22/2014	Soil Vapor	6	TO-15 VOCs
8	SV-32_082214	SV-32	8/22/2014	Soil Vapor	5	TO-15 VOCs
SOIL SAMPLES						
1	SB-38_0-2	SB-38	8/19/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
2	SB-38_3-5	SB-38	8/19/2014	Grab	3 to 5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
3	SB-39_0-2	SB-39	8/19/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
4	SB-39_5-7	SB-39	8/19/2014	Grab	5 to 7	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
5	SB-40_0-2	SB-40	8/19/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
6	SB-40_5-7	SB-40	8/19/2014	Grab	5 to 7	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
7	SB-41_0-2	SB-41	8/19/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
8	SB-41_7-9	SB-41	8/19/2014	Grab	7 to 9	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
9	SB-42_0-2	SB-42	8/19/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
10	SB-42_6-8	SB-42	8/19/2014	Grab	6 to 8	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
11	SB-43_0-2	SB-43	8/19/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
12	SB-43_6-8	SB-43	8/19/2014	Grab	6 to 8	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
13	SB-44_0-2	SB-44	8/19/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
14	SB-44_3-5	SB-44	8/19/2014	Grab	3 to 5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
15	SB-45_0-2	SB-45	8/19/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
16	SB-45_3-5	SB-45	8/19/2014	Grab	3 to 5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
GROUNDWATER SAMPLES						
1	MW-38_082614	MW-38	8/26/2014	Grab	15	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
2	MW-39_082614	MW-39	8/26/2014	Grab	14	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium)
3	MW-13A_082714	MW13A	8/27/2014	Grab	12	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium)
4	MW-14_082714	MW14	8/27/2014	Grab	14	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium)
5	MW-18_082714	MW18	8/27/2014	Grab	15	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium)

Notes:
1. TCL/TAL - Target Compound List/Target Analyte List
2. VOCs - Volatile Organic Compounds
3. SVOCs - Semivolatile Organic Compounds
4. PCBs - Polychlorinated Biphenyls
5. Depth (ft bgs) refers to: i) depth of bottom of soil vapor probe; ii) depth of soil sampling interval; and iii) total depth of monitoring well
6. All soil samples for VOC analysis were collected using EnCore™ sample devices.

Table 1B
Soil Vapor, Soil, and Groundwater QA/QC Sample Summary
Supplemental Remedial Investigation Report - Parcels F1 and F2

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample ID	Parent Sample ID	Sampling Location	Sample Date	QA/QC Type	Sample Type	Sampling Frequency	Analysis
SOIL VAPOR SAMPLES							
F_SVDUP_082214	SV-26_082214	SV-26	8/22/2014	Field Duplicate	Soil Vapor	1 per 20 samples	TO-15 VOCs
F_AA01_082214	N/A	AA01	8/22/2014	Background Control	Ambient Air	1 per sampling event	TO-15 VOCs
SOIL SAMPLES							
F_SODUP01_5-7	SB-33_3-5	SB-33	8/19/2014	Field Duplicate	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
SB-43_6-8_MS	SB-43_6-8	SB-43	8/19/2014	MS	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
SB-43_6-8_MSD	SB-43_6-8	SB-43	8/19/2014	MSD	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
F_SOFB01_081914	N/A	N/A	8/19/2014	Field Blank	N/A	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium)
F_SOTB01_081914	N/A	N/A	8/19/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)
GROUNDWATER SAMPLES							
MW-38_082614_MS	MW-38_082614	MW-38	8/26/2014	MS	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium)
MW-38_082614_MSD	MW-38_082614	MW-38	8/26/2014	MSD	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium)
F_GWDUP01_082614	MW-39_082614	MW-39	8/26/2014	Field Duplicate	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium)
F_GWFB01_082714	N/A	N/A	8/27/2014	Field Blank	N/A	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
F_GWTB01_082614	N/A	N/A	8/26/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)
F_GWTB02_082714	N/A	N/A	8/27/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)

Notes:

1. TCL/TAL - Target Compound List/Target Analyte List
2. VOCs - Volatile Organic Compounds
3. SVOCs - Semivolatile Organic Compounds
4. PCBs - Polychlorinated Biphenyls
5. MS - Matrix Spike
6. MSD - Matrix Spike Duplicate
7. N/A - Not Applicable
8. All soil samples for VOC analysis were collected using EnCore™ sample devices.

Table 2
Groundwater Elevation Summary
Supplemental Remedial Investigation Report - Parcels F1 and F2

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Well ID	Inner Casing Elevation (ft NAVD 88)	Screened Interval (ft bgs)	Total Well Depth (ft bgs)	Date Gauged	Time Gauged	Depth to Groundwater (ft bgs)	Groundwater Elevation (ft NAVD 88)
MW13A	8.01	2 to 12	12	8/28/2014	8:51	7.30	0.71
MW14	11.68	4 to 14	14	8/28/2014	8:40	10.22	1.46
MW-18	11.31	5 to 15	15	8/28/2014	8:38	9.58	1.73
MW-38	11.44	2 to 12	12	8/28/2014	8:43	10.88	0.56
MW-39	8.47	4 to 14	14	8/28/2014	8:49	7.23	1.24

Notes:

1. All monitoring wells were completed with flush-mount well covers and a concrete collar.
2. NAVD88 - National Vertical Datum of 1988. Datum refers to the National Vertical Datum of 1988 (NAVD88) which is approximately 1.1 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).
3. ft bgs - feet below ground surface
4. Depth to groundwater was measured from grooved notch in inner casing where surveyed elevation was read.

Table 3
Soil Vapor Sample Detections Summary
Supplemental Remedial Investigation Report - Parcels F1 and F2

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location Client Sample ID Lab Sample ID Sampling Date	NYSDOH AGV	SV-25 SV-25_082214 L1419290-01 8/22/2014		SV-26 SV-26_082214 L1419290-02 8/22/2014		SV-26 F-SVDUP_082214 L1419290-09 8/22/2014		SV-27 SV-27_082214 L1419290-03 8/22/2014		SV-28 SV-28_082214 L1419290-04 8/22/2014		SV-29 SV-29_082214 L1419290-05 8/22/2014		SV-30 SV-30_082214 L1419290-06 8/22/2014		SV-31 SV-31_082214 L1419290-07 8/22/2014		SV-32 SV-32_082214 L1419290-08 8/22/2014		AA-01 F-AA01_082214 L1419290-10 8/22/2014	
VOCs (µg/m³)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,1,1-Trichloroethane	~	10.9	U	3.64	U	3.64	U	10.9	U	5.46	U	5.46	U	5.46	U	2.52		5.46	U	1.09	U
1,1-Dichloroethane	~	17.7		10.4		11.4		9.23		7.37		10.3		12.1		2.3		6.96		0.809	U
1,2,4-Trimethylbenzene	~	9.83	U	6.19		5.51		9.83	U	5.31		7.08		4.92	U	6.19		7.33		0.983	U
1,2-Dichloroethane	~	8.09	U	2.7	U	2.7	U	8.94		4.05	U	4.05	U	4.05	U	1.01	U	4.05	U	0.809	U
1,3,5-Trimethylbenzene	~	9.83	U	3.28	U	3.28	U	9.83	U	4.92	U	4.92	U	4.92	U	1.97		4.92	U	0.983	U
1,3-Butadiene	~	4.42	U	10.8		9.96		4.42	U	6.39		2.21	U	2.21	U	0.553	U	2.21	U	0.442	U
1,3-Dichlorobenzene	~	39.1		12.3		10.9		12	U	29.9		34.8		25.2		32.4		36.6		1.2	U
2,2,4-Trimethylpentane	~	9.34	U	4.56		4.44		9.34	U	5.51		4.76		4.67	U	4.16		4.67	U	0.934	U
2-Butanone	~	287		425		434		876		273		276		360		185		372		1.21	
2-Hexanone	~	8.2	U	2.73	U	2.73	U	8.2	U	4.1	U	4.1	U	4.1	U	1.14		4.1	U	0.82	U
4-Ethyltoluene	~	9.83	U	3.28	U	3.28	U	9.83	U	4.92	U	4.92	U	4.92	U	1.28		4.92	U	0.983	U
4-Methyl-2-pentanone	~	8.2	U	2.73	U	2.73	U	8.2	U	4.1	U	4.1	U	4.1	U	5.29		4.1	U	0.82	U
Acetone	~	1830		1330		1400		2010		1430		1490		1820		1030		1450		10.8	
Benzene	~	7.16		8.59		7.89		8.72		4.98		4.22		4.86		7.99		4.28		0.639	U
Carbon disulfide	~	6.23	U	29.5		28		6.23	U	43		3.8		5.54		20.4		6.26		0.623	U
Carbon tetrachloride	~	12.6	U	4.2	U	4.2	U	12.6	U	6.29	U	6.29	U	6.29	U	4.83		6.29	U	1.26	U
Chloroform	~	9.77	U	3.38		3.34		9.77	U	4.88	U	4.88	U	4.88	U	3.51		4.88	U	0.977	U
Chloromethane	~	4.13	U	2.21		1.93		4.13	U	5.33		3.14		3.96		0.62		2.97		1.12	
Cyclohexane	~	6.88	U	26		24.7		12.8		8.95		6.13		6.64		11.4		5.65		0.688	U
Dichlorodifluoromethane	~	9.89	U	3.3	U	3.3	U	9.89	U	4.94	U	4.94	U	4.94	U	1.94		4.94	U	1.38	
Ethanol	~	3490		1280		1320		656		2280		2730		2660		416		1720		7.35	
Ethylbenzene	~	8.69	U	8.34		7.95		12.1		4.52		6.34		4.43		5.73		6.78		0.869	U
Heptane	~	9.63		18.4		17.9		14.3		12.5		6.97		7.62		7.91		7.83		0.82	U
Isopropanol	~	1750		708		730		258		1160		1410		1330		223		838		1.23	U
Methyl tert butyl ether	~	7.21	U	2.4	U	2.4	U	7.21	U	3.61	U	3.61	U	3.61	U	4.25		3.61	U	0.721	U
Methylene chloride	60	17.4	U	5.8	U	5.8	U	17.4	U	8.69	U	8.69	U	8.69	U	2.59		8.69	U	1.74	U
n-Hexane	~	7.05	U	80.4		74		26.7		197		3.81		5.92		6.31		26.5		0.705	U
o-Xylene	~	9.3		13.1		11.9		18.8		6.78		10.2		6.43		9.08		10.8		0.869	U
p/m-Xylene	~	19.5		27.7		25.8		40		14.6		22.4		14.1		20.3		23		1.74	U
Styrene	~	8.52	U	2.84	U	2.84	U	8.52	U	4.26	U	4.26	U	4.26	U	3.24		4.26	U	0.852	U
Tertiary butyl Alcohol	~	15.2	U	8.28		8.37		15.2	U	10.2		9.76		10.9		35.5		8.85		1.52	U
Tetrahydrofuran	~	284		829		835		2250		428		348		513		270		661		2.01	
Toluene	~	302		441		452		592		215		273		240		182		323		2.84	
trans-1,2-Dichloroethene	~	11.1		6.03		6.78		7.93	U	3.96	U	4.64		5.07		1.03		3.96	U	0.793	U
Trichloroethene	5	*10.7*	U	3.58	U	3.58	U	**80.6**		*5.37*	U	**21.6**		*5.37*	U	1.34	U	**19.6**		1.07	U
Trichlorofluoromethane	~	11.2	U	3.75	U	3.75	U	11.2	U	5.62	U	5.62	U	5.62	U	2.55		5.62	U	1.12	U
Xylenes, Total	~	28.8		40.8		37.7		58.8		21.38		32.6		20.53		29.38		33.8		ND	

Notes:

1. Soil vapor and ambient air samples analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs).
2. Only compounds with detections are shown in the table.
3. NYSDOH AGV exceedances are highligted and bolded.
4. VOCs = Volatile Organic Compounds
5. µg/m³ = micrograms per cubic meter
6. "~" = Criterion does not exist.
7. Sample F-SVDUP082214 is a duplicate of sample SV-26_082214.

Qualifiers (Q):

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4A
Soil Sample Detections Summary - VOCs and SVOCs
Supplemental Remedial Investigation Report - Parcels F1 and F2

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location Client Sample ID Lab Sample ID Sampling Date Sample Depth (feet)	NYSDEC Part 375 and CP-51 Unrestricted Use SCO	NYSDEC Part 375 and CP-51 Restricted-Residential Use SCO	SB-38 SB-38_0-2 L1418860-01 8/19/2014 0 to 2		SB-38 SB-38_3-5 L1418860-02 8/19/2014 3 to 5		SB-39 SB-39_0-2 L1418860-03 8/19/2014 0 to 2		SB-39 SB-39_5-7 L1418860-04 8/19/2014 5 to 7		SB-39 F_SODUP01_5-7 L1418860-17 8/19/2014 5 to 7		SB-40 SB-40_0-2 L1418860-05 8/19/2014 0 to 2		SB-40 SB-40_5-7 L1418860-06 8/19/2014 5 to 7	
Volatile Organic Compounds (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,2,4,5-Tetramethylbenzene	~	~	0.028	J	0.038	J	0.0059	U	0.0049	U	0.34	U	0.0043	U	0.0051	U
1,2,4-Trimethylbenzene	3.6	52	0.18	J	0.23	J	0.0074	U	0.0061	U	0.42	U	0.0054	U	0.0064	U
1,2-Dichlorobenzene	1.1	100	0.04	J	0.54	U	0.0074	U	0.0061	U	0.42	U	0.0054	U	0.0064	U
1,3,5-Trimethylbenzene	8.4	52	0.067	J	0.16	J	0.0074	U	0.0061	U	0.42	U	0.0054	U	0.0064	U
1,4-Dichlorobenzene	1.8	13	0.038	J	0.54	U	0.0074	U	0.0061	U	0.42	U	0.0054	U	0.0064	U
2-Butanone	0.12	100	1	U	1.1	U	0.015	U	0.0085	J	0.0067	J	0.84	U	0.011	U
Acetone	0.05	100	1	U	1.1	U	0.015	U	0.047		0.036		0.84	U	0.0034	J
Benzene	0.06	4.8	1.1		0.064	J	0.0015	U	0.0012	U	0.0012	U	0.084	U	0.0011	U
Cyclohexane	~	~	2	U	0.22	J	0.03	U	0.024	U	0.024	U	1.7	U	0.022	U
Ethyl ether	~	~	0.077	J	0.54	U	0.0074	U	0.0061	U	0.0061	U	0.42	U	0.0054	U
Ethylbenzene	1	41	0.15		0.1	J	0.0015	U	0.0012	U	0.0012	U	0.036	J	0.0011	U
Methyl cyclohexane	~	~	0.41		1.1		0.0059	U	0.0049	U	0.0049	U	0.34	U	0.0043	U
Methyl tert butyl ether	0.93	100	0.074	J	0.095	J	0.003	U	0.0024	U	0.0024	U	0.17	U	0.0022	U
n-Butylbenzene	12	100	0.034	J	0.11	U	0.0015	U	0.0012	U	0.0012	U	0.084	U	0.0011	U
n-Propylbenzene	3.9	100	0.055	J	0.035	J	0.0015	U	0.0012	U	0.0012	U	0.084	U	0.0011	U
Naphthalene	12	100	0.26	J	0.12	J	0.0074	U	0.0061	U	0.0061	U	0.42	U	0.0054	U
o-Xylene	~	~	0.12	J	0.15	J	0.003	U	0.0024	U	0.0024	U	0.041	J	0.0022	U
p-Diethylbenzene	~	~	0.089	J	0.16	J	0.0059	U	0.0049	U	0.0049	U	0.34	U	0.0043	U
p-Ethyltoluene	~	~	0.24	J	0.17	J	0.0059	U	0.0049	U	0.0049	U	0.34	U	0.0043	U
p/m-Xylene	~	~	0.85		0.41		0.003	U	0.0024	U	0.0024	U	0.15	J	0.0022	U
Toluene	0.7	100	1.6		0.19		0.00034	J	0.0003	J	0.0018	U	0.028	J	0.0016	U
Trichloroethene	0.47	21	0.1	U	0.11	U	0.0027		0.0012	U	0.0012	U	2.3		0.0011	U
Xylenes, Total	~	~	0.97	J	0.56	J	ND		ND		ND		0.191	J	ND	
Semivolatile Organic Compounds (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2-Methylnaphthalene	~	~	0.4	J	0.14	J	0.22	U	0.24	U	0.074	J	0.2	U	0.21	U
3-Methylphenol/4-Methylpheno	0.33	100	0.54	U	0.51	U	0.26	U	0.28	U	0.27	U	0.24	U	0.25	U
Acenaphthene	20	100	0.23	J	0.28	U	0.14	U	0.13	J	0.15		0.14	U	0.14	U
Acenaphthylene	100	100	1.4		0.1	J	0.14	U	0.16	U	0.042	J	0.072	J	0.14	U
Anthracene	100	100	2.8		0.18	J	0.11	U	0.28		0.38		0.035	J	0.1	U
Benzo(a)anthracene	1	1	**4.1**		0.5		0.12		0.44		0.61		0.09	J	0.1	U
Benzo(a)pyrene	1	1	**3.7**		0.36		0.12	J	0.4		0.43		0.12	J	0.14	U
Benzo(b)fluoranthene	1	1	**3.5**		0.55		0.16		0.42		0.55		0.11		0.1	U
Benzo(ghi)perylene	100	100	2.2		0.23	J	0.1	J	0.21		0.2		0.1	J	0.14	U
Benzo(k)fluoranthene	0.8	3.9	2.3		0.18	J	0.051	J	0.2		0.2		0.048	J	0.1	U
Biphenyl	~	~	0.14	J	0.81	U	0.42	U	0.45	U	0.43	U	0.39	U	0.4	U
Bis(2-Ethylhexyl)phthalate	~	~	0.38	U	0.35	U	0.18	U	0.2	U	0.19	U	0.17	U	0.18	U
Carbazole	~	~	0.53		0.35	U	0.18	U	0.13	J	0.16	J	0.17	U	0.18	U
Chrysene	1	3.9	**4**		0.57		0.16		0.45		0.61		0.12		0.1	U
Dibenzo(a,h)anthracene	0.33	0.33	**0.41**		0.21	U	0.11	U	0.044	J	0.063	J	0.1	U	0.1	U
Dibenzofuran	7	59	0.74		0.35	U	0.18	U	0.084	J	0.11	J	0.17	U	0.18	U
Fluoranthene	100	100	8.4		1.1		0.18		1.1		1.6		0.16		0.1	U
Fluorene	30	100	1.1		0.35	U	0.18	U	0.14	J	0.17	J	0.17	U	0.18	U
Indeno(1,2,3-cd)Pyrene	0.5	0.5	**2.4**		0.2	J	0.086	J	0.22		0.24		0.085	J	0.14	U
Naphthalene	12	100	0.36	J	0.12	J	0.18	U	0.2	U	0.19	U	0.42	U	0.18	U
Phenanthrene	100	100	7.6		0.92		0.14		1.3		1.8		0.12		0.1	U
Pyrene	100	100	6.5		0.92		0.21		0.95		1.2		0.22		0.1	U
Total SVOCs	~	~	52.81	J	6.07	J	1.327	J	6.498	J	8.589	J	1.17	J	ND	

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 and CP-51 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. Detections above the NYSDEC Part 375 Unrestricted Use SCO are shaded and underlined.
4. Detections above the NYSDEC Part 375 Unrestricted Use and NYSDEC Part 375 and CP-51 Restricted-Residential SCO standards are **bolded and underlined.**
5. mg/kg = milligrams per kilogram
6. ~ = Criterion does not exist.
7. ND = Not Detected

Qualifiers (Q):
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4A
Soil Sample Detections Summary - VOCs and SVOCs
Supplemental Remedial Investigation Report - Parcels F1 and F2

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location Client Sample ID Lab Sample ID Sampling Date Sample Depth (feet)	NYSDEC Part 375 and CP-51 Unrestricted Use SCO	NYSDEC Part 375 and CP-51 Restricted-Residential Use SCO	SB-41 SB-41_0-2 L1418860-07 8/19/2014 0 to 2		SB-41 SB-41_7-9 L1418860-08 8/19/2014 7 to 9		SB-42 SB-42_0-2 L1418860-09 8/19/2014 0 to 2		SB-42 SB-42_6-8 L1418860-10 8/19/2014 6 to 8		SB-43 SB-43_0-2 L1418860-11 8/19/2014 0 to 2		SB-43 SB-43_6-8 L1418860-12 8/19/2014 6 to 8		SB-44 SB-44_0-2 L1418860-13 8/19/2014 0 to 2		SB-44 SB-44_3-5 L1418860-14 8/19/2014 3 to 5		SB-45 SB-45_0-2 L1418860-15 8/19/2014 0 to 2		SB-45 SB-45_3-5 L1418860-16 8/19/2014 3 to 5	
Volatile Organic Compounds (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,2,4,5-Tetramethylbenzene	~	~	0.0076	U	0.32	U	0.005	U	0.0063	U	0.0045	U	0.27	U	0.006	U	0.005	U	0.0048	U	0.0049	U
1,2,4-Trimethylbenzene	3.6	52	0.0096	U	0.4	U	0.0063	U	0.0079	U	0.0057	U	0.34	U	0.0076	U	0.0062	U	0.006	U	0.0061	U
1,2-Dichlorobenzene	1.1	100	0.0096	U	0.4	U	0.0063	U	0.0079	U	0.0057	U	0.34	U	0.0076	U	0.0062	U	0.006	U	0.0061	U
1,3,5-Trimethylbenzene	8.4	52	0.0096	U	0.4	U	0.0063	U	0.0079	U	0.0057	U	0.34	U	0.0076	U	0.0062	U	0.006	U	0.0061	U
1,4-Dichlorobenzene	1.8	13	0.0096	U	0.4	U	0.0063	U	0.0079	U	0.0057	U	0.34	U	0.0076	U	0.0062	U	0.006	U	0.0061	U
2-Butanone	0.12	100	0.013	U	0.019	U	0.79	U	0.0036	J	0.016	U	0.011	U	0.68	U	0.015	U	0.012	U	0.012	U
Acetone	0.05	100	0.0035	J	0.0057	J	0.79	U	0.028		0.016	U	0.0042	J	0.68	U	0.0066	J	0.0032	J	0.0077	J
Benzene	0.06	4.8	0.0013	U	0.0019	U	0.079	U	0.0012	U	0.0016	U	0.0011	U	0.068	U	0.0015	U	0.0012	U	0.0012	U
Cyclohexane	~	~	0.026	U	0.038	U	1.6	U	0.025	U	0.031	U	0.023	U	1.4	U	0.03	U	0.025	U	0.024	U
Ethyl ether	~	~	0.0064	U	0.0096	U	0.4	U	0.0063	U	0.0079	U	0.0057	U	0.34	U	0.0076	U	0.0062	U	0.006	U
Ethylbenzene	1	41	0.0013	U	0.0019	U	0.045	J	0.0012	U	0.0016	U	0.0011	U	0.068	U	0.0015	U	0.0012	U	0.0012	U
Methyl cyclohexane	~	~	0.0051	U	0.0076	U	0.32	U	0.005	U	0.0063	U	0.0045	U	0.24	J	0.006	U	0.005	U	0.0048	U
Methyl tert butyl ether	0.93	100	0.0026	U	0.0038	U	0.16	U	0.0025	U	0.0031	U	0.0023	U	0.14	U	0.003	U	0.0025	U	0.0024	U
n-Butylbenzene	12	100	0.0013	U	0.0019	U	0.079	U	0.0012	U	0.0016	U	0.0011	U	0.068	U	0.0015	U	0.0012	U	0.0012	U
n-Propylbenzene	3.9	100	0.0013	U	0.0019	U	0.031	J	0.0012	U	0.0016	U	0.0011	U	0.068	U	0.0015	U	0.0012	U	0.0012	U
Naphthalene	12	100	0.0064	U	0.0096	U	0.31	J	0.0063	U	0.0079	U	0.0057	U	0.029	J	0.00047	J	0.00045	J	0.006	U
o-Xylene	~	~	0.0026	U	0.0038	U	0.16	U	0.0025	U	0.0031	U	0.0023	U	0.14	U	0.003	U	0.0025	U	0.0024	U
p-Diethylbenzene	~	~	0.0051	U	0.0076	U	0.32	U	0.005	U	0.0063	U	0.0045	U	0.27	U	0.006	U	0.005	U	0.0048	U
p-Ethyltoluene	~	~	0.0051	U	0.0076	U	0.048	J	0.005	U	0.0063	U	0.0045	U	0.27	U	0.006	U	0.005	U	0.0048	U
p/m-Xylene	~	~	0.0026	U	0.0038	U	0.099	J	0.0025	U	0.0031	U	0.0023	U	0.14	U	0.003	U	0.0025	U	0.0024	U
Toluene	0.7	100	0.0019	U	0.0029	U	0.034	J	0.00035	J	0.00043	J	0.0017	U	0.1	U	0.0023	U	0.0019	U	0.0018	U
Trichloroethene	0.47	21	0.0013	U	0.0019	U	0.079	U	0.0012	U	0.0016	U	0.0011	U	1.1		0.0055		0.0012	U	0.0012	U
Xylenes, Total	~	~	ND		ND		0.099	J	ND		ND		ND		ND		ND		ND		ND	
Semivolatile Organic Compounds (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2-Methylnaphthalene	~	~	0.22	U	0.34		0.53		0.93		0.26	U	0.21	U	0.88	U	0.16	J	1		0.14	J
3-Methylphenol/4-Methylpheno	0.33	100	0.26	U	0.085	J	0.48	U	1	U	0.31	U	0.25	U	1	U	0.26	U	1	U	0.29	U
Acenaphthene	20	100	0.052	J	0.54		1.8		2.7		0.17	U	0.056	J	0.58	U	0.4		1.9		0.29	
Acenaphthylene	100	100	0.25		0.14	J	0.67		0.85		0.17	U	0.046	J	0.58	U	0.042	J	0.2	J	0.18	
Anthracene	100	100	0.25		0.85		6.4		5.2		0.13	U	0.14		0.22	J	0.81		6.4		0.46	
Benzo(a)anthracene	1	1	**1.1**		**1.6**		**11**		**8.8**		0.13	U	0.35		0.67		**1.9**		**9.2**		**1.1**	
Benzo(a)pyrene	1	1	**1.1**		**1.5**		**12**		**8.1**		0.17	U	0.28		0.65		**1.6**		**8.3**		**1.1**	
Benzo(b)fluoranthene	1	1	**1.2**		**1.8**		**12**		**9.7**		0.13	U	0.36		0.8		**2**		**11**		**1.3**	
Benzo(ghi)perylene	100	100	0.66		0.86		7.3		4.3		0.17	U	0.16		0.42	J	0.98		5.2		0.61	
Benzo(k)fluoranthene	0.8	3.9	0.54		0.65		**4.9**		3.8		0.13	U	0.13		0.33	J	0.88		3.7		0.54	
Biphenyl	~	~	0.41	U	0.11	J	0.27	J	0.38	J	0.5	U	0.4	U	1.7	U	0.42	U	0.41	J	0.46	U
Bis(2-Ethylhexyl)phthalate	~	~	0.088	J	0.2	U	0.33	U	0.73	U	0.22	U	0.18	U	0.73	U	0.077	J	0.72	U	0.2	U
Carbazole	~	~	0.054	J	0.41		1.7		2.2		0.22	U	0.049	J	0.73	U	0.48		2.3		0.25	
Chrysene	1	3.9	1.1		1.7		**12**		**9.4**		0.13	U	0.34		0.66		1.8		**9.3**		1.3	
Dibenzo(a,h)anthracene	0.33	0.33	0.2		0.2		**1.6**		**1.2**		0.13	U	0.04	J	0.44	U	0.29		**1.2**		0.15	
Dibenzofuran	7	59	0.18	U	0.4		1.2		2.1		0.22	U	0.18	U	0.73	U	0.29		2.4		0.25	
Fluoranthene	100	100	1.8		3.8		23		20		0.13	U	0.71		1.4		4.1		24		3	
Fluorene	30	100	0.058	J	0.54		1.6		3		0.22	U	0.06	J	0.73	U	0.39		3.1		0.26	
Indeno(1,2,3-cd)Pyrene	0.5	0.5	**0.67**		**0.89**		**8.1**		**4.6**		0.17	U	0.17		0.44	J	**1.1**		**5.7**		**0.67**	
Naphthalene	12	100	0.18	U	0.9		0.83		1.9		0.22	U	0.18	U	0.73	U	0.34		1.8		0.28	
Phenanthrene	100	100	0.84		3.9		19		21		0.047	J	0.59		0.84		3.4		25		2.8	
Pyrene	100	100	2		3.3		21		17		0.13	U	0.61		1.2		3.2		19		2.6	
Total SVOCs	~	~	11.962	J	24.515	J	146.9	J	127.16	J	0.047	J	4.091	J	7.63	J	24.239	J	141.11	J	17.28	J

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 and CP-51 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
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4. Detections above the NYSDEC Part 375 Unrestricted Use and NYSDEC Part 375 and CP-51 Restricted-Residential SCO standards are **bolded and underlined.**
5. mg/kg = milligrams per kilogram
6. ~ = Criterion does not exist.
7. ND = Not Detected

Qualifiers (Q):

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4B
Soil Sample Detections Summary - PCBs, Pest, Herb, Metals, and Non-Metals
Supplemental Remedial Investigation Report - Parcels F1 and F2

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location Client Sample ID Lab Sample ID Sampling Date Sample Depth (feet)	NYSDEC Part 375 and CP-51 Unrestricted Use SCO	NYSDEC Part 375 and CP-51 Restricted-Residential Use SCO	SB-38 SB-38_0-2 L1418860-01 8/19/2014 0 to 2		SB-38 SB-38_3-5 L1418860-02 8/19/2014 3 to 5		SB-39 SB-39_0-2 L1418860-03 8/19/2014 0 to 2		SB-39 SB-39_5-7 L1418860-04 8/19/2014 5 to 7		SB-39 F_SODUP01_5-7 L1418860-17 8/19/2014 5 to 7		SB-40 SB-40_0-2 L1418860-05 8/19/2014 0 to 2		SB-40 SB-40_5-7 L1418860-06 8/19/2014 5 to 7		SB-41 SB-41_0-2 L1418860-07 8/19/2014 0 to 2	
PCBs (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aroclor 1248	~	~	0.0963		0.0357	U	0.0372	U	0.0389	U	0.039	U	0.0331	U	0.0348	U	0.0353	U
Aroclor 1254	~	~	0.0735		0.0357	U	0.0372	U	0.0389	U	0.039	U	0.0331	U	0.0348	U	0.0243	J
Aroclor 1260	~	~	0.124		0.0153	J	0.0148	J	0.0389	U	0.039	U	0.0331	U	0.0348	U	0.0247	J
PCBs, Total	0.1	1	0.294		0.0153	J	0.0148	J	0.0389	U	0.039	U	0.0331	U	0.0348	U	0.049	J
Pesticides (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
4,4'-DDE	0.0033	8.9	0.00177	U	0.00171	U	0.013		0.00182	U	0.00188	U	0.00251		0.00165	U	0.00908	
4,4'-DDT	0.0033	7.9	0.00332	U	0.00297	J	0.0302		0.0034	U	0.00353	U	0.00845		0.0031	U	0.0184	
Herbicides (mg/kg			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Total Herbicides	~	~	ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum, Total	~	~	3700		8000		4600		6200		1300		2800		4700		8700	
Antimony, Total	~	~	4.4	U	4.1	U	4.3	U	1.1	J	2.1	J	4.1	U	4.2	U	4.2	U
Arsenic, Total	13	16	11		9.9		7.8		**27**		**22**		**38**		15		**18**	
Barium, Total	350	400	240		83		210		38		63		51		30		250	
Beryllium, Total	7.2	72	0.53		0.24	J	0.18	J	0.49		0.46	U	0.1	J	0.14	J	0.61	
Cadmium, Total	2.5	4.3	0.21	J	0.48	J	0.35	J	1.1		0.93	U	0.81	U	0.84	U	0.64	J
Calcium, Total	~	~	120000		45000		110000		1500		620		8800		1200		43000	
Chromium, Trivalent	30	180	14		31		8.4		8.8		15		6.9		10		31	
Chromium, Total	~	~	14		31		8.4		8.8		7.6		6.9		10		31	
Cobalt, Total	~	~	6.1		22		2.7		10		2.2		1.8		2.8		5.4	
Copper, Total	50	270	77		110		21		69		29		17		16		68	
Iron, Total	~	~	11000		13000		7200		12000		14000		22000		20000		18000	
Lead, Total	63	400	**570**		100		**1000**		**540**		160		74		6.9		**3200**	
Magnesium, Total	~	~	54000		9500		7600		1900		670		3000		1900		14000	
Manganese, Total	1600	2000	160		230		100		88		24		55		89		190	
Mercury, Total	0.18	0.81	0.31		0.12		0.18		0.08	U	**1.2**		0.05	J	0.07	U	0.39	
Nickel, Total	30	310	14		16		8.9		20		7.4		4		7.7		19	
Potassium, Total	~	~	610		800		560		460		580		790		720		980	
Selenium, Total	3.9	180	1.8	U	0.34	J	1.7	U	0.64	J	1.5	J	1	J	1.7	U	1.7	U
Silver, Total	2	180	0.89	U	0.82	U	0.86	U	0.9	U	1.4		0.81	U	0.84	U	0.18	J
Sodium, Total	~	~	170	J	660		340		310		730		330		220		340	
Vanadium, Total	~	~	16		23		12		12		10		16		14		36	
Zinc, Total	109	10000	440		240		280		480		12		43		28		450	
General Chemistry			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Cyanide, Total	27	27	1.1	U	1	U	0.29	J	1.1	U	1.2	U	0.94	U	1	U	0.35	J

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 and CP-51 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
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6. ~ = Criterion does not exist.
7. ND = Not Detected

Qualifiers (Q):
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4B
Soil Sample Detections Summary - PCBs, Pest, Herb, Metals, and Non-Metals
Supplemental Remedial Investigation Report - Parcels F1 and F2

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location Client Sample ID Lab Sample ID Sampling Date Sample Depth (feet)	NYSDEC Part 375 and CP-51 Unrestricted Use SCO	NYSDEC Part 375 and CP-51 Restricted-Residential Use SCO	SB-41 SB-41_7-9 L1418860-08 8/19/2014 7 to 9		SB-42 SB-42_0-2 L1418860-09 8/19/2014 0 to 2		SB-42 SB-42_6-8 L1418860-10 8/19/2014 6 to 8		SB-43 SB-43_0-2 L1418860-11 8/19/2014 0 to 2		SB-43 SB-43_6-8 L1418860-12 8/19/2014 6 to 8		SB-44 SB-44_0-2 L1418860-13 8/19/2014 0 to 2		SB-44 SB-44_3-5 L1418860-14 8/19/2014 3 to 5		SB-45 SB-45_0-2 L1418860-15 8/19/2014 0 to 2		SB-45 SB-45_3-5 L1418860-16 8/19/2014 3 to 5	
PCBs (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aroclor 1248	~	~	0.0396	U	0.0327	U	0.0351	U	0.0422	U	0.0354	U	0.0367	U	0.0351	U	0.0362	U	0.039	U
Aroclor 1254	~	~	0.0396	U	0.0327	U	0.0351	U	0.0194	J	0.0354	U	0.0367	U	0.0351	U	0.0175	J	0.039	U
Aroclor 1260	~	~	0.0396	U	0.00767	J	0.0351	U	0.0389	J	0.0354	U	0.034	J	0.0351	U	0.0632		0.039	U
PCBs, Total	0.1	1	0.0396	U	0.00767	J	0.0351	U	0.0583	J	0.0354	U	0.034	J	0.0351	U	0.0807	J	0.039	U
Pesticides (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
4,4'-DDE	0.0033	8.9	0.00185	U	0.00542		0.00167	U	0.00729		0.00163	U	0.00188		0.00131	J	0.0021		0.00188	U
4,4'-DDT	0.0033	7.9	0.00348	U	0.00295	U	0.00313	U	0.00391	U	0.00306	U	0.00514		0.00316	U	0.0151		0.00353	U
Herbicides (mg/kg			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Total Herbicides	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum, Total	~	~	2100		3200		4600		9200		11000		8800		6900		4100		1300	
Antimony, Total	~	~	4.8	U	3.8	U	4.3	U	5.1	U	11		0.93	J	1.4	J	1.9	J	2.1	J
Arsenic, Total	13	16	**22**		14		13		4.8		**19**		6.8		11		**18**		**22**	
Barium, Total	350	400	62		59		38		58		70		110		220		130		63	
Beryllium, Total	7.2	72	0.31	J	0.22	J	0.29	J	0.31	J	0.62		0.45		0.52		0.35	J	0.46	U
Cadmium, Total	2.5	4.3	0.08	J	0.29	J	0.09	J	1	U	0.82	U	0.18	J	0.47	J	0.18	J	0.93	U
Calcium, Total	~	~	1400		110000		5900		98000		42000		56000		11000		15000		620	
Chromium, Trivalent	30	180	5.6		5.8		10		10		18		8.7		14		12		7.6	
Chromium, Total	~	~	5.6		5.8		10		10		18		8.7		14		12		7.6	
Cobalt, Total	~	~	7.9		3.2		5.7		2.8		4.4		3.2		8.1		4.7		2.2	
Copper, Total	50	270	52		36		69		8.3		67		22		78		58		29	
Iron, Total	~	~	15000		14000		14000		7400		20000		9200		14000		14000		14000	
Lead, Total	63	400	140		110		**870**		7.6		**740**		220		**1000**		270		160	
Magnesium, Total	~	~	250		38000		1400		5900		2300		9800		2600		6100		670	
Manganese, Total	1600	2000	90		200		110		190		130		230		230		160		24	
Mercury, Total	0.18	0.81	0.29		**2.3**		0.35		0.08	U	0.3		0.14		**1.6**		0.17		**1.2**	
Nickel, Total	30	310	7		7.8		14		7		10		7		20		12		7.4	
Potassium, Total	~	~	440		620		450		640		2400		570		740		820		580	
Selenium, Total	3.9	180	1.1	J	1.5	U	0.49	J	2	U	1.4	J	1.7	U	0.43	J	1.4	J	1.5	J
Silver, Total	2	180	0.95	U	0.31	J	0.86	U	1	U	0.82	U	0.84	U	0.39	J	0.47	J	1.4	
Sodium, Total	~	~	420		230		96	J	320		670		1200		420		700		730	
Vanadium, Total	~	~	11		9.3		14		11		21		17		22		16		10	
Zinc, Total	109	10000	92		76		98		15		45		150		430		130		12	
General Chemistry			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Cyanide, Total	27	27	1.2	U	0.5	J	0.79	J	1.3	U	1.1	U	0.34	J	0.29	J	1	U	1.2	U

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 and CP-51 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. Detections above the NYSDEC Part 375 Unrestricted Use SCO are shaded and underlined.
4. Detections above the NYSDEC Part 375 Unrestricted Use and NYSDEC Part 375 and CP-51 Restricted-Residential SCO standards are **bolded and underlined.**
5. mg/kg = milligrams per kilogram
6. ~ = Criterion does not exist.
7. ND = Not Detected

Qualifiers (Q):
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4C
Soil Sample Detections Summary - QA/QC Samples
Supplemental Remedial Investigation Report - Parcels F1 and F2

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location Client Sample ID Lab Sample ID Sampling Date	Field Blank F_SOFB01_081914 L1418860-18 8/19/2014		Trip Blank F_SOTB01_081914 L1418860-19 8/19/2014	
VOCs (µg/l)	Result	Q	Result	Q
VOCs, Total	ND		ND	
SVOCs (µg/l)	Result	Q	Result	Q
Naphthalene	0.18	J	NA	
PCBs (µg/l)	Result	Q	Result	Q
PCBs, Total	ND		NA	
Pesticides (µg/l)	Result	Q	Result	Q
Pesticides, Total	ND		NA	
Herbicides (µg/l)	Result	Q	Result	Q
Herbicides Total	ND		NA	
Metals (µg/l)	Result	Q	Result	Q
Antimony, Total	0.1	J	NA	
Barium, Total	0.22	J	NA	
Chromium, Total	0.24	J	NA	
Magnesium, Total	4.09	J	NA	
Sodium, Total	30.1	J	NA	
Zinc, Total	2.42	J	NA	
General Chemistry (µg/l)	Result	Q	Result	Q
Cyanide, Total	2	J	NA	

Notes:

1. Only compounds with detections are shown in the table.
2. VOCs = Volatile Organic Compounds
3. SVOCs = Semivolatile Organic Compounds
4. PCBs = Polychlorinated Biphenyls
5. µg/l = micrograms per liter
6. ND= Not Detected
7. NA= Not Analyzed

Qualifiers (Q):

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit; therefore, the result is an estimated concentration.

Table 5A
Groundwater Sample Detections Summary - VOCs and SVOCs
Remedial Investigation Report - Parcels F1 and F2

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sampling Date	NYSDEC TOGS SGVs - Class GA	MW13A MW-13A_082714 L1419629-01 8/27/2014		MW14 MW-14A_082714 L1419629-02 8/27/2014		MW-18 MW-18A_082714 L1419629-03 8/27/2014		MW-38 MW-38_082614 L1419470-01 8/26/2014		MW-39 MW-39_082614 L1419470-02 8/26/2014		MW-39 F_GWDUP01_082613 L1419470-03 8/26/2014	
Volatile Organic Compounds (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,1-Dichloroethene	5	0.5	U	0.5	U	0.3	J	0.5	U	0.5	U	0.5	U
Acetone	50	5	U	5	U	5	U	5	U	6.5		6.9	
Benzene	1	0.5	U	0.5	U	0.56		0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	5	2.5	U	2.5	U	**40**		2.5	U	2.5	U	2.5	U
Ethyl ether	~	2.5	U	5.3		2.5	U	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	0.5	U	0.5	U	0.5	U	0.13	J	0.5	U	0.5	U
Methyl tert butyl ether	10	2.5	U	1.7	J	2.5	U	0.72	J	2.5	U	2.5	U
Naphthalene	10	0.2		0.2	U	0.1	J	0.26		0.2	U	0.13	J
Tetrachloroethene	5	0.45	J	0.25	J	0.18	J	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	5	**8.2**		**9.7**		**6.2**		**15**		**19**		**19**	
Trichloroethene	5	0.5	U	0.5	U	0.65		0.5	U	0.5	U	0.5	U
Vinyl chloride	2	1	U	1	U	**3.8**		1	U	1	U	1	U
Semi-volatile Organic Compounds (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2-Methylnaphthalene	~	0.2	U	0.2	U	0.2	U	0.1	J	0.2	U	0.08	J
Acenaphthene	20	1.1		0.2	U	0.2	U	1.5		0.2	U	0.2	U
Acenaphthylene	~	0.32		0.2	U	0.2	U	0.08	J	0.2	U	0.2	U
Anthracene	50	0.2		0.2	U	0.2	U	0.35		0.2	U	0.2	U
Benzo(a)anthracene	~	0.24		0.22		0.2	U	0.07	J	0.07	J	0.2	U
Benzo(a)pyrene	ND	**0.26**		**0.21**		*0.2*	U	**0.09**	J	**0.12**	J	*0.2*	U
Benzo(b)fluoranthene	0.002	**0.23**		**0.2**		*0.2*	U	*0.2*	U	**0.09**	J	*0.2*	U
Benzo(ghi)perylene	~	0.14	J	0.08	J	0.2	U	0.2	U	0.2	U	0.2	U
Benzo(k)fluoranthene	0.002	**0.09**	J	**0.08**	J	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U
Benzoic Acid	~	50	U	50	U	50	U	8.4	J	50	U	50	U
Bis(2-Ethylhexyl)phthalate	5	3	U	3	U	3	U	3.2		3.1		3	U
Chrysene	0.002	**0.22**		**0.18**	J	*0.2*	U	**0.06**	J	**0.06**	J	*0.2*	U
Dibenzo(a,h)anthracene	~	0.1	J	0.1	J	0.2	U	0.2	U	0.2	U	0.2	U
Fluoranthene	50	0.78		0.27		0.2	U	0.88		0.16	J	0.2	U
Fluorene	50	0.06	J	0.2	U	0.2	U	0.37		0.2	U	0.2	U
Hexachlorobutadiene	0.5	0.5	U	0.5	U	0.5	U	0.13	J	0.5	U	0.5	U
Hexachloroethane	5	0.8	U	0.8	U	0.8	U	0.14	J	0.8	U	0.8	U
Indeno(1,2,3-cd)Pyrene	0.002	**0.24**		**0.2**		*0.2*	U	**0.13**	J	**0.15**	J	*0.2*	U
Naphthalene	10	0.2		0.2	U	0.1	J	0.26		0.2	U	0.13	J
Phenanthrene	50	0.22		0.08	J	0.2	U	1.4		0.1	J	0.07	J
Pyrene	50	0.96		0.53		0.2	U	0.64		0.14	J	0.2	U
Total SVOCs	~	5.36	J	2.15	J	0.1	J	17.8	J	3.99	J	0.28	J

Notes:

1. Groundwater analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Drinking Water (class GA).
2. Only compounds with detections are shown in the table.
3. NYSDEC TOGS 1.1.1 SGVs exceedances are shaded and bold.
4. µg/l = micrograms per liter
5. ~ = This criteria does not exist.
6. Sample G_GWDUP01_082613 is a duplicate of sample MW-39_082614.

Qualifiers (Q):

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 5B
Groundwater Analytical Results - PCBs, Pesticides, Herbicides, and Metals
Remedial Investigation Report - Parcel F1 and F2

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location / Client Sample ID / Lab Sample ID / Sampling Date	NYSDEC TOGS SGVs - Class GA	MW13A MW-13A_082714 L1419629-01 8/27/2014		MW14 MW-14A_082714 L1419629-02 8/27/2014		MW-18 MW-18A_082714 L1419629-03 8/27/2014		MW-38 MW-38_082614 L1419470-01 8/26/2014		MW-39 MW-39_082614 L1419470-02 8/26/2014		MW-39 F_GWDUP01_082613 L1419470-03 8/26/2014	
PCBs (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
PCBs, Total	0.09	ND		ND		ND		ND		ND		ND	
Pesticides (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Pesticides, Total	~	ND		ND		ND		ND		ND		ND	
Herbicides (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Herbicides, Total	~	ND		ND		ND		ND		ND		ND	
Metals (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum, Total	~	452		86.2		343		247		5330		5720	
Antimony, Total	3	0.97	J	0.47	J	0.56	J	**9.32**	J	0.93	J	0.45	J
Arsenic, Total	25	2.84		10.05		5.61		2.36	J	9.99		10.19	
Barium, Total	1000	72.16		674.4		157.3		660.8		123.4		120.7	
Beryllium, Total	3	0.5	U	0.5	U	0.5	U	10	U	0.34	J	0.39	J
Cadmium, Total	5	0.2	U	0.2	U	0.2	U	4		0.08	J	0.07	J
Calcium, Total	~	520000		250000		136000		452000		369000		356000	
Chromium, Trivalent	~	10	U	10	U	10	U	50	U	10	U	10	
Chromium, Total	50	1.24		4.88		1.17		20	U	8.2		9.98	
Cobalt, Total	~	0.63		4.45		1.88		4	U	23.81			
Copper, Total	200	4.19		2.03		6.76		20	U	10.76		14.3	
Iron, Total	300	**8450**		**49600**		**6910**		**121000**		**70900**		**61900**	
Lead, Total	25	21.16		24.15		**28.6**		**40.24**		22.52		**26.05**	
Magnesium, Total	35000	**99300**		29500		26500		**257000**		**124000**		**108000**	
Manganese, Total	300	**1449**		**6264**		**5948**		**4116**		**20460**		**19980**	
Mercury, Total	0.7	0.19	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Total	100	2.06		4.7		1.63		10	U	9.76		11.85	
Potassium, Total	~	30200		14400		5940		308000		29500		26400	
Selenium, Total	10	0.43	J	5	U	5	U	100	U	1.04	J	1.13	J
Sodium, Total	20000	**548000**		**357000**		**218000**		**6030000**		**101000**		**80400**	
Thallium, Total	0.5	0.5	U	0.5	U	0.5	U	10	U	0.04	J	0.03	J
Vanadium, Total	~	1.31	J	0.48	J	0.95	J	100	U	9.63		11.3	
Zinc, Total	2000	16.03		17.02		9.04	J	118.7	J	32.26		36.96	
Dissolved Metals (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum, Dissolved	~	3.16	J	3.44	J	4	J	50	U	12		129	
Antimony, Dissolved	3	**5.42**		0.86	J	0.89	J	**11.31**	J	1.14	J	0.66	J
Arsenic, Dissolved	25	1.85		7.96		5.1		2.5	U	1.59		4.4	
Barium, Dissolved	1000	56.83		595		134.4		357.1		76.29		91.61	
Calcium, Dissolved	~	496000		223000		118000		200000		185000		189000	
Chromium, Dissolved	50	0.48	J	0.52	J	0.44	J	5	U	0.62	J	0.73	J
Cobalt, Dissolved	~	0.27		4.15		1.57		1	U	19.64		26.61	
Copper, Dissolved	200	1	U	1	U	1	U	5	U	0.78	J	0.53	J
Iron, Dissolved	300	**7350**		**42400**		**4960**		**60400**		**16000**		**42600**	
Lead, Dissolved	25	0.2	J	0.52	J	0.42	J	5	U	1	U	0.76	J
Magnesium, Dissolved	35000	**91800**		27800		26100		**712000**		**82100**		**107000**	
Manganese, Dissolved	300	**1258**		**6092**		**5042**		**2407**		**19000**		**19340**	
Nickel, Dissolved	100	1.07		2.5		1.11		0.98	J	6.58		5.99	
Potassium, Dissolved	~	29200		14000		5820		196000		29100		33700	
Selenium, Dissolved	10	0.86	J	5	U	5	U	25	U	0.31	J	5	U
Silver, Dissolved	50	0.4	U	0.65		0.4	U	1.25	U	0.4	U	0.4	U
Sodium, Dissolved	20000	**516000**		**340000**		**192000**		**5590000**		**89400**		**107000**	
Thallium, Dissolved	0.5	0.5	U	0.5	U	0.5	U	1	U	0.05	J	0.5	U
Vanadium, Dissolved	~	0.19	J	5	U	5	U	25	U	5	U	0.35	J
Zinc, Dissolved	2000	10	U	4.53	J	1.29	J	50	U	18.85		9.84	J
General Chemistry (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Cyanide, Total	200	4	J	3	J	2	J	4	J	3	J	3	J

Notes:

1. Groundwater analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Drinking Water (class GA).
2. Only compounds with detections are shown in the table.
3. NYSDEC TOGS 1.1.1 SGVs exceedances are shaded and bold.
4. µg/l = micrograms per liter
5. ~ = This criterion does not exist.
6. Sample F_GWDUP01_082613 is a duplicate of sample MW-39_082614.

Qualifiers (Q):

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 5C
Groundwater Analytical Results - QA/QC
Supplemental Remedial Investigation Report - Parcels F1 and F2

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sampling Date	Field Blank F_GWFB1_082714 L1419629-04 8/27/2014		Trip Blank F_GWTB01_082614 L1419470-04 8/26/2014		Trip Blank F_GWTB02_082714 L1419629-05 8/27/2014	
VOCs (µg/l)	Result	Q	Result	Q	Result	Q
Total VOCs	ND		ND		ND	
SVOCs (µg/l)	Result	Q	Result	Q	Result	Q
Naphthalene (SVOA)	0.09	J	NA		NA	
PCBs (µg/l)	Result	Q	Result	Q	Result	Q
PCBs, Total	ND		NA		NA	
Pesticides (µg/l)	Result	Q	Result	Q	Result	Q
Pesticides, Total	ND		NA		NA	
Herbicides (µg/l)	Result	Q	Result	Q	Result	Q
Herbicides, Total	ND		NA		NA	
Metals (µg/l)	Result	Q	Result	Q	Result	Q
Antimony, Total	0.52	J	NA		NA	
Barium, Total	0.13	J	NA		NA	
Chromium, Total	0.28	J	NA		NA	
Copper, Total	0.49	J	NA		NA	
Dissolved Metals (µg/l)	Result	Q	Result	Q	Result	Q
Antimony, Dissolved	1.2	J	NA		NA	
Barium, Dissolved	0.16	J	NA		NA	
Calcium, Dissolved	32.9	J	NA		NA	
Chromium, Dissolved	0.35	J	NA		NA	
Copper, Dissolved	0.42	J	NA		NA	
Manganese, Dissolved	0.22	J	NA		NA	
Nickel, Dissolved	0.12	J	NA		NA	
Sodium, Dissolved	122		NA		NA	
General Chemistry (µg/l)	Result	Q	Result	Q	Result	Q
Cyanide, Total	ND		NA		NA	

Notes:

1. Only compounds with detections are shown in the table.
2. VOCs = Volatile Organic Compounds
3. SVOCs = Semivolatile Organic Compounds
4. PCBs = Polychlorinated Biphenyls
5. µg/l = micrograms per liter
6. ND= Not Detected
7. NA= Not Analyzed

Qualifiers (Q):

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.

APPENDIX A

SOIL VAPOR SAMPLING LOGS

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-25

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, New York (PARCEL F)	**SURFACE ELEVATION AND DATUM:** Approx.
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	**INSTALLATION DATE STARTED:** 8/22/2014 **DATE FINISHED:** 8/22/2014
INSTALLATION FOREMAN: Jon Sepe	**SAMPLE DATE STARTED:** 8/22/2014 **DATE FINISHED:** 8/22/2014
INSTALLATION EQUIPMENT: Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:** Summa Canister (2.7 liter)
INSPECTOR: Luke McCartney	**SAMPLER:** Luke McCartney
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Partly Cloudy, Low-70°s, Wind: W 5-10 mph, Pressure: 30.05 inHg

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	4.9
HELIUM TEST IN BUCKET(%):	Before Sample: 40.0 After Purge: 31.2
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	10:19
SAMPLE STOP DATE/TIME:	12:19
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	0.9
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	459
REGULATOR SERIAL NUMBER:	0440
CAN START VACUUM PRESS. (" HG):	-29.73
CAN STOP VACUUM PRESS. (" HG):	-5.2

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE	0'	
Top of Seal		
		0-5 ft bgs Bentonite Seal
Top of Pack	5'	
		5-6 ft bgs No. 2 Sand
	6' bgs	

SAMPLE LOCATION SKETCH

See Cooresponding Figure

NOTES

Installed SV probe @ 6' bgs

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-26

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, New York (PARCEL F)	**SURFACE ELEVATION AND DATUM:** Approx.
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	**INSTALLATION DATE STARTED:** 8/22/2014 **DATE FINISHED:** 8/22/2014
INSTALLATION FOREMAN: Jon Sepe	**SAMPLE DATE STARTED:** 8/22/2014 **DATE FINISHED:** 8/22/2014
INSTALLATION EQUIPMENT: Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:** Summa Canister (2.7 liter)
INSPECTOR: Luke McCartney	**SAMPLER:** Luke McCartney
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Partly Cloudy, Low-70°s, Wind: W 5-10 mph, Pressure: 30.05 inHg

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

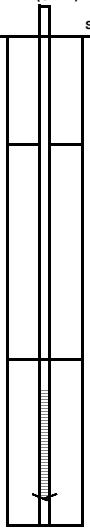
TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	1
HELIUM TEST IN BUCKET(%):	Before Sample: 42.6 After Purge: 35.4
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	9:54
SAMPLE STOP DATE/TIME:	11:54
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	0.9
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	109
REGULATOR SERIAL NUMBER:	0426
CAN START VACUUM PRESS. (" HG):	-29.23
CAN STOP VACUUM PRESS. (" HG):	-14.47

SAMPLE LOCATION SKETCH

See Cooresponding Figure

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE	0'	
Top of Seal		0-5 ft bgs Bentonite Seal
Top of Pack	5'	
		5-6 ft bgs No. 2 Sand
	6' bgs	



NOTES

Installed SV probe @ 6' bgs

QA/QC Duplicate Sample collected at SV-26. Sample ID: F_SVDUP_082214

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-27

PROJECT:	Greenpoint Landing	**PROJECT NO.:**	170229002
LOCATION:	Brooklyn, New York (PARCEL F)	**SURFACE ELEVATION AND DATUM:**	Approx.
DRILLING FIRM OR LANGAN INSTALLER:	AARCO Environmental Services	**INSTALLATION DATE STARTED:** / **DATE FINISHED:**	8/22/2014 / 8/22/2014
INSTALLATION FOREMAN:	Jon Sepe	**SAMPLE DATE STARTED:** / **DATE FINISHED:**	8/22/2014 / 8/22/2014
INSTALLATION EQUIPMENT:	Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:**	Summa Canister (2.7 liter)
INSPECTOR:	Luke McCartney	**SAMPLER:**	Luke McCartney
POTENTIAL SAMPLE INTERFERENCES:	None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**	Partly Cloudy, Low-70°s, Wind: W 5-10 mph, Pressure: 30.05 inHg

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

TUBING TYPE/DIAMETER:	1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:**	No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER:	6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):**	Bentonite
BOREHOLE DIAMETER:	2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):**	No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	2.7
HELIUM TEST IN BUCKET(%):	Before Sample: 36.4 After Purge: 27.2
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	9:30
SAMPLE STOP DATE/TIME:	11:30
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	0.9
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	223
REGULATOR SERIAL NUMBER:	0046
CAN START VACUUM PRESS. (" HG):	-29.14
CAN STOP VACUUM PRESS. (" HG):	-3.83

SAMPLE LOCATION SKETCH

See Cooresponding Figure

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE	0'	
Top of Seal		0-4 ft bgs Bentonite Seal
Top of Pack	4'	4-5 ft bgs No. 2 Sand
	5' bgs	

NOTES

Installed SV probe @ 5' bgs

Ambient Air Sample collected near SV-27. Sample ID: F_AA01P_082214

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-28

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, New York (PARCEL F)	**SURFACE ELEVATION AND DATUM:** Approx.
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	**INSTALLATION DATE STARTED:** 8/22/2014 **DATE FINISHED:** 8/22/2014
INSTALLATION FOREMAN: Jon Sepe	**SAMPLE DATE STARTED:** 8/22/2014 **DATE FINISHED:** 8/22/2014
INSTALLATION EQUIPMENT: Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:** Summa Canister (2.7 liter)
INSPECTOR: Luke McCartney	**SAMPLER:** Luke McCartney
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Partly Cloudy, Low-70°s, Wind: W 5-10 mph, Pressure: 30.05 inHg

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	0.8
HELIUM TEST IN BUCKET(%):	Before Sample: 31.18 After Purge: 21.8
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	11:28
SAMPLE STOP DATE/TIME:	13:28
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	0.2
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	557
REGULATOR SERIAL NUMBER:	0005
CAN START VACUUM PRESS. (" HG):	-29.76
CAN STOP VACUUM PRESS. (" HG):	-5.01

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE	0'	
Top of Seal		0-4 ft bgs Bentonite Seal
Top of Pack	4'	4-5 ft bgs No. 2 Sand
	5' bgs	

SAMPLE LOCATION SKETCH

See Cooresponding Figure

NOTES

Installed SV probe @ 5' bgs

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-29

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, New York (PARCEL F)	**SURFACE ELEVATION AND DATUM:** Approx.
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	**INSTALLATION DATE STARTED:** 8/22/2014 **DATE FINISHED:** 8/22/2014
INSTALLATION FOREMAN: Jon Sepe	**SAMPLE DATE STARTED:** 8/22/2014 **DATE FINISHED:** 8/22/2014
INSTALLATION EQUIPMENT: Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:** Summa Canister (2.7 liter)
INSPECTOR: Luke McCartney	**SAMPLER:** Luke McCartney
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Partly Cloudy, Low-70°s, Wind: W 5-10 mph, Pressure: 30.05 inHg

METHOD OF INSTALLATION AND PURGING:

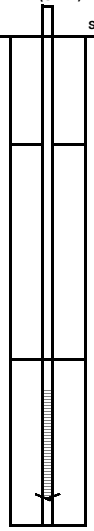
Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	0.7
HELIUM TEST IN BUCKET(%):	Before Sample: 30.8 After Purge: 22.1
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	11:08
SAMPLE STOP DATE/TIME:	13:08
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	323
REGULATOR SERIAL NUMBER:	0100
CAN START VACUUM PRESS. (" HG):	-30.72
CAN STOP VACUUM PRESS. (" HG):	-3.34

SAMPLE LOCATION SKETCH

See Cooresponding Figure



IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
	0'	
Top of Seal		
		0-4 ft bgs Bentonite Seal
Top of Pack	4'	
		4-5 ft bgs No. 2 Sand
	5' bgs	

NOTES

Installed SV probe @ 5' bgs

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-30

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, New York (PARCEL F)	**SURFACE ELEVATION AND DATUM:** Approx.
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	**INSTALLATION DATE STARTED:** 8/22/2014 **DATE FINISHED:** 8/22/2014
INSTALLATION FOREMAN: Jon Sepe	**SAMPLE DATE STARTED:** 8/22/2014 **DATE FINISHED:** 8/22/2014
INSTALLATION EQUIPMENT: Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:** Summa Canister (2.7 liter)
INSPECTOR: Luke McCartney	**SAMPLER:** Luke McCartney
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Partly Cloudy, Low-70°s, Wind: W 5-10 mph, Pressure: 30.05 inHg

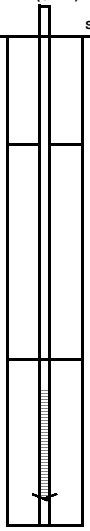
METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	1.5
HELIUM TEST IN BUCKET(%):	Before Sample: 33.0 After Purge: 25.4
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	10:50
SAMPLE STOP DATE/TIME:	12:50
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	549
REGULATOR SERIAL NUMBER:	0414
CAN START VACUUM PRESS. (" HG):	-29.85
CAN STOP VACUUM PRESS. (" HG):	-4.0

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE	0'	
Top of Seal		
		0-5 ft bgs Bentonite Seal
Top of Pack	5'	
		5-6 ft bgs No. 2 Sand
	6' bgs	



SAMPLE LOCATION SKETCH

See Cooresponding Figure

NOTES

Installed SV probe @ 6' bgs

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-31

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, New York (PARCEL F)	**SURFACE ELEVATION AND DATUM:** Approx.
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	**INSTALLATION DATE STARTED:** 8/22/2014 **DATE FINISHED:** 8/22/2014
INSTALLATION FOREMAN: Jon Sepe	**SAMPLE DATE STARTED:** 8/22/2014 **DATE FINISHED:** 8/22/2014
INSTALLATION EQUIPMENT: Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:** Summa Canister (2.7 liter)
INSPECTOR: Luke McCartney	**SAMPLER:** Luke McCartney
POTENTIAL SAMPLE INTERFERENCES: Disturbed soil and asphalt at ground surface	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Partly Cloudy, Low-70°s, Wind: W 5-10 mph, Pressure: 30.05 inHg

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	2.6
HELIUM TEST IN BUCKET(%):	Before Sample: 38.4 After Purge: 21.2
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	10:36
SAMPLE STOP DATE/TIME:	12:36
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	0.8
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	221
REGULATOR SERIAL NUMBER:	0067
CAN START VACUUM PRESS. (" HG):	-30.09
CAN STOP VACUUM PRESS. (" HG):	-6.16

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE	0'	
Top of Seal		0-5 ft bgs Bentonite Seal
Top of Pack	5'	5-6 ft bgs No. 2 Sand
	6' bgs	

SAMPLE LOCATION SKETCH

See Cooresponding Figure

NOTES

Installed SV probe @ 6' bgs
Poor seal du to disturbed soil and asphalt at ground surface

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APPENDIX B

SOIL BORING LOGS

LANGAN

Log of Boring **SB-38** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL F)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/19/14 / Date Finished: 8/19/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 5 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First ▽ / Completion ▼ / 24 HR. ▼
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer / Weight (lbs) / Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Light grey to black F-M SAND with brick, gravel, concrete, coal; dry; no odors or staining [FILL]	0						Run 1 SB-38 (0-5')
			1	1	5' Acetate Sleeve	42/60		0.0	SB-38_0-2 taken at 10:55
			2					0.7	
			3					0.0	
			4					2.1	SB-38_3-5 taken at 11:00
			5					0.0	End of boring at 5 ft bgs Drill to 15' to set well
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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LANGAN

Log of Boring **SB-39** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL F)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/19/14 / Date Finished: 8/19/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 10 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First ▽ 7 / Completion / 24 HR.
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer / Weight (lbs) / Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Grey to black F-M SAND; some ash, coal; trace brick, concrete; no odors or staining [FILL]	0						Run #1 SB-39 (0-5')
			1					0.0	SB-39_0-2 taken at 13:50
			2	1	5' Acetate Sleeve	40/60		0.0	
			3					0.3	
			4					0.9	
			5					0.0	
		Grey to black F-M SAND; some ash, coal; trace brick, concrete; some light brown sand intermixed; no odors or staining [FILL]	6					0.0	Run # 2 SB-39 (5-10')
			7 ▽					0.0	SB-39_5-7 taken at 13:55
			8	2	5' Acetate Sleeve	48/60		0.9	F_SODUP01_5-7 taken at 13:55
			9					0.0	
			10					0.0	End of boring at 10 ft bgs
			11						Drill to 14' to set well
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

\\LANGAN.COM\DATA\NY\DATA0\170229002\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\SUPPLEMENTAL_R\GREENPOINT_SRI_F1_BORING_LOGS.GPJ ... 9/30/2014 9:19:29 AM ... Report: Log - LANGAN ... Template TEMPLATE.GDT

LANGAN

Log of Boring **SB-40** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL F)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/19/14 / Date Finished: 8/19/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 10 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First ▽ 7 / Completion ▼ / 24 HR. ▼
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer / Weight (lbs) / Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		APHALT TOPCOAT	0						Run #1 SB-40 (0-5')
		Grey to black M SAND with ash, coal; trace brick and concrete; no odors or staining [FILL]	1	1	5' Acetate Sleeve	48/60		0.0	SB-40_0-2 taken at 10:00
			2					1.2	
		Light brown F SAND; trace silt; no odors or staining [FILL]	3					0.7	
			4					0.0	
			5						Run #2 SB-40 (5-10')
			6	2	5' Acetate Sleeve	40/60		0.0	SB-40_5-7 taken at 10:05
			7 ▽					0.4	
			8					0.0	
			9					0.3	
			10					0.0	End of boring at 10 ft bgs
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-41** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL F)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/19/14 / Date Finished: 8/19/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 10 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First ▽ 9 / Completion / 24 HR.
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer / Weight (lbs) / Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		ASPHALT TOPCOAT	0						Run #1 SB-41 (0-5')
		Black F SAND with brick, coal, wood, concrete; dry; no odors or staining [FILL]	1					0.0	SB-41_0-2 taken at 12:15
			2	1	5' Acetate Sleeve	45/60		0.0	
			3					1.3	
			4					0.4	
			5					0.0	
		Grey to black F-M SAND; some coal and ash; trace brick, ceramics; moist/wet at 9 ft bgs; no odor or staining [FILL]	6					0.0	Run #2 SB-41 (5-10')
			7					0.0	SB-41_5-7 taken at 12:20
			8	2	5' Acetate Sleeve	30/60		0.0	
			9 ▽					2.1	
			10					0.0	End of boring at 10 ft bgs
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-42** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL F)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/19/14 / Date Finished: 8/19/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 10 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First ▽ 8 / Completion ▼ / 24 HR. ▼
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer / Weight (lbs) / Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		ASPHALT TOPCOAT	0						Run #1 SB-42 (0-5')
		Light grey to black F SAND with brick, coal, ashpalt, concrete; dry; no odors or staining [FILL]	1	1	5' Acetate Sleeve	42/60		1.0	SB-42_0-2 taken at 10:20
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	Run #2 SB-42 (5-10')
		Light to dark grey to black F SAND; trace silt, brick, concrete, coal, glass; dry; no odors or staining [FILL]	6					1.0	
			7	2	5' Acetate Sleeve	60/60		0.0	SB-42_6-8 taken at 10:35
		▽	8					2.1	
			9					0.0	
			10					0.0	End of boring at 10 ft bgs
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-43** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL F)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/19/14 / Date Finished: 8/19/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 5 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First ▽ 8.5 / Completion ▼ / 24 HR. ▼
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer / Weight (lbs) / Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		ASPHALT TOPCOAT	0						Run #1 SB-43 (0-5')
		Light brown to brown F SAND; some silt; trace concrete, gravel, coal, wood; dry; no odors or staining [FILL]	1					0.0	SB-43_0-2 taken at 09:45
			2	1	5' Acetate Sleeve	45/60		0.1	
			3					0.3	
			4					0.0.	
		Light brown to brown F SAND; some silt; trace concrete and brick; dry; no odors or staining [FILL]	5					0.0	Run #2 SB-43 (5-10')
			6					1.7	
			7	2	5' Acetate Sleeve	40/60		0.0	SB-43_6-8 taken at 09:50 SB-43_6-8_MS taken at 09:50
		Black M SAND with coal; moist/wet; no odors or staining [FILL] ▽	8					0.9	SB-43_6-8_MSD taken at 09:50
			9					0.0	
			10					0.0	End of boring at 10 ft bgs
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-44** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL F)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/19/14 / Date Finished: 8/19/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 5 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First ▽ / Completion ▼ / 24 HR. ▼
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer: / Weight (lbs): / Drop (in):	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Light brown to grey F SAND; some brick, concrete, coal; dry; no odors or staining [FILL]	0						Run #1 SB-44 (0-5')
			1	1	5' Acetate Liner	45/60		0.0	SB-44_0-2 taken at 13:20
			2					0.0	
			3					1.3	
			4					0.0	SB-44_3-5 taken at 13:25
			5					0.0	End of boring at 5 ft bgs
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
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			20						

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Log of Boring **SB-45** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL F)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/19/14 / Date Finished: 8/19/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 5 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First ▽ / Completion ▼ / 24 HR. ▼
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer: / Weight (lbs): / Drop (in):	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Light brown to black F_M SAND; sone brick, concrete, coal; dry; no odors or staining [FILL]	0						Run #1 SB-44 (0-5')
			1	1	5' Acetate Sleeve	43/60		0.0	SB-44_0-2 taken at 13:35
			2					0.0	
			3					0.0	
			4					0.0	SB-44_3-5 taken at 13:40
			5					0.0	End of boring at 5 ft bgs
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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APPENDIX C

WELL CONSTRUCTION LOGS

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WELL CONSTRUCTION SUMMARY

Well No. MW-38

PROJECT Greenpoint Landing	**PROJECT NO.** 170229002
LOCATION Greenpoint, Brooklyn, New York (PARCEL F)	**ELEVATION AND DATUM** Top of Manhole: 11.81' Top of PVC Pipe: 11.44'
DRILLING AGENCY AARCO Environmental Services	**DATE STARTED** 8/19/2014 **DATE FINISHED** 8/19/2014
DRILLING EQUIPMENT Geoprobe 7822DT	**DRILLER** Jon Sepe
SIZE AND TYPE OF BIT 6" ID Hollow-stem auger (HSA)	**LANGAN REP.** Luke McCartney

METHOD OF INSTALLATION

6" ID HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 15' below surface grade. A 2" diameter monitoring well constructed of 10' of 10-slot PVC well screen and 5' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 4' below grade (BG) with #1 sand, to 3' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water was clear, and a minimum of 5 well-casing volumes had been removed.

TYPE OF CASING SCH. 40 PVC **DIAMETER** 2"	**TYPE OF BACKFILL MATERIAL** Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC **DIAMETER** 2"	**TYPE OF SEAL MATERIAL** Bentonite (hydrated)
BOREHOLE DIAMETER 6"	**TYPE OF FILTER MATERIAL** #1 sand

	ELEVATION (ft)	DEPTH (ft)
TOP OF CASING	11.44	0.37
TOP OF SEAL	8.81	3
TOP OF FILTER	7.81	4
TOP OF SCREEN	6.81	5
BOTTOM OF BORING	-3.19	15

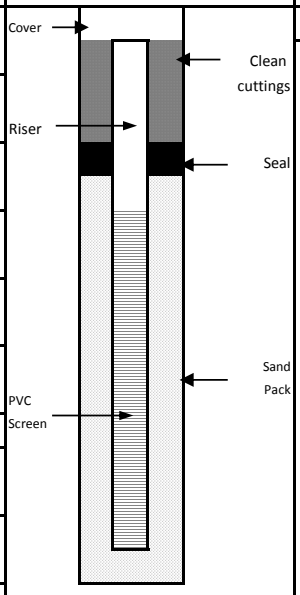
SCREEN LENGTH: 10 feet

SLOT SIZE: 10-slot

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
1.62	8/26/2014	9.82
0.56	8/28/2014	10.88

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.37
	3.0
	4.0
	5.0
See Boring Log	
	15.0

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WELL CONSTRUCTION SUMMARY

Well No. MW-39

PROJECT Greenpoint Landing	**PROJECT NO.** 170229002
LOCATION Greenpoint, Brooklyn, New York (PARCEL F)	**ELEVATION AND DATUM** Top of Manhole: 8.87' Top of PVC Pipe: 8.47'
DRILLING AGENCY AARCO Environmental Services	**DATE STARTED** 8/19/2014 **DATE FINISHED** 8/19/2014
DRILLING EQUIPMENT Geoprobe 7822DT	**DRILLER** Jon Sepe
SIZE AND TYPE OF BIT 6" ID Hollow-stem auger (HSA)	**LANGAN REP.** Luke McCartney

METHOD OF INSTALLATION

6" ID HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 15' below surface grade. A 2" diameter monitoring well constructed of 10' of 10-slot PVC well screen and 4' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 3' below grade (BG) with #1 sand, to 2' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water was clear, and a minimum of 5 well-casing volumes had been removed.

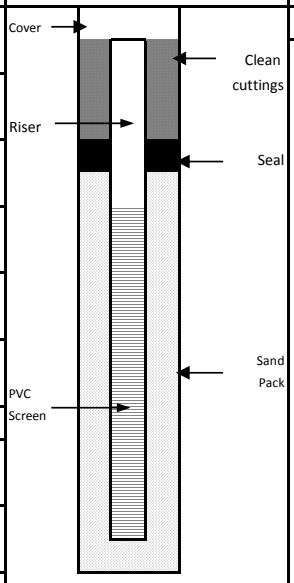
TYPE OF CASING SCH. 40 PVC **DIAMETER** 2"	**TYPE OF BACKFILL MATERIAL** Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC **DIAMETER** 2"	**TYPE OF SEAL MATERIAL** Bentonite (hydrated)
BOREHOLE DIAMETER 6"	**TYPE OF FILTER MATERIAL** #1 sand

	ELEVATION (ft)	DEPTH (ft)
TOP OF CASING	8.47	0.4
TOP OF SEAL	6.87	2
TOP OF FILTER	5.87	3
TOP OF SCREEN	4.87	4
BOTTOM OF BORING	-5.13	14

SCREEN LENGTH: 10 feet

SLOT SIZE: 10-slot

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.40
	2.0
	3.0
	4.0
See Boring Log	
	14.0

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
1.17	8/26/2014	7.30
1.24	8/28/2014	7.23

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APPENDIX D

WELL SAMLPING LOGS

MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW13A**	**Job No. 170229002**
Date: 8/27/2014	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-13A_082714
Well Depth (ft)	12
Screened Interval (ft)	10 (2 to 12 ft BTOC)
Casing Elevation (ft NAVD88)	8.01
Casing Diameter (in)	2
Initial Depth to Water (ft)	7.2
Water Elevation (ft NAVD88)	0.81
Casing Volume (gal)	-
PID/FID Reading (ppm)	0.9

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.02
Start Purge Time	10:25 AM
End Purge Time	11:20 AM
Volume Purged (gal)	1

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	11:20 AM
End Sampling Time	N/A
Depth Before Sampling (ft)	7.55
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (°C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
10:25 AM	6.74	5.678	149.2	17.9	22.95	-107.4	7.30	-
10:30 AM	6.73	5.712	53.9	12.5	22.46	-99.8	-	-
10:35 AM	6.72	5.708	42.2	12.2	22.33	-92.4	-	0.25
10:40 AM	6.70	5.665	20.4	10.0	23.62	-91.2	-	-
10:50 AM	6.70	5.606	18.9	9.8	21.21	-79.8	-	0.50
11:00 AM	6.69	6.359	-0.8	3.3	21.01	-94.1	-	-
11:10 AM	6.70	5.184	5.1	2.0	20.49	-104.2	-	0.75
11:20 AM	6.74	5.213	7.3	2.0	20.39	-99.3	7.55	1.00

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium □

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-14**	**Job No. 17029902**
Date: 8/27/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-14_082714
Well Depth (ft)	14
Screened Interval (ft)	10 (4 to 14 ft BTOC)
Casing Elevation (ft NAVD88)	11.68
Casing Diameter (in)	2
Initial Depth to Water (ft)	10.18
Water Elevation (ft NAVD88)	1.5
Casing Volume (gal)	-
PID/FID Reading (ppm)	1.2

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.1
Start Purge Time	11:40 AM
End Purge Time	12:10 PM
Volume Purged (gal)	3

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	12:10 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	10.28
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
11:40 AM	6.56	4.676	540.3	7.9	22.13	-101.8	10.24	-
11:45 AM	6.54	4.171	590.3	5.4	21.73	-100.6	-	-
11:50 AM	6.54	2.768	12.2	3.8	21.33	-95.9	10.25	1.00
11:55 AM	6.53	2.732	6.3	2.4	21.18	-83.3	-	-
12:00 PM	6.52	2.737	6.0	2.2	21.16	-82.7	10.27	2.00
12:05 PM	-	-	-	-	-	-	-	-
12:10 PM	6.51	-	4.1	1.9	21.00	-91.8	10.28	3.00

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium □

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-18**	**Job No. 17029902**
Date: 8/27/2014	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-18_082714
Well Depth (ft)	15
Screened Interval (ft)	10 (5 to 15 ft BTOC)
Casing Elevation (ft NAVD88)	11.31
Casing Diameter (in)	2
Initial Depth to Water (ft)	9.55
Water Elevation (ft NAVD88)	1.76
Casing Volume (gal)	-
PID/FID Reading (ppm)	0.7

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.05
Start Purge Time	12:30 PM
End Purge Time	1:35 PM
Volume Purged (gal)	3

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	12:30 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	8.86
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
12:30 PM	6.78	1.799	761.1	10.3	21.84	-83.6	-	-
12:35 PM	6.69	1.623	334.6	2.8	20.68	-72.9	9.70	0.5
12:40 PM	6.66	1.620	120.2	2.1	20.09	-70.7	-	-
12:45 PM	6.64	1.615	103.8	1.9	20.02	-65.4	-	1.0
12:50 PM	6.65	1.609	58.7	1.9	20.20	-69.6	9.78	-
12:55 PM	6.64	1.606	22.6	1.8	20.02	-68.7	-	1.5
1:00 PM	6.64	1.621	18.4	1.8	19.84	-68.3	9.80	-
1:05 PM	pump malfunction - restart purge							
1:10 PM	6.66	1.581	59.8	1.7	20.83	-66.7	9.80	0.5
1:15 PM	6.67	1.564	47.5	1.9	21.85	-65.7	-	-
1:25 PM	6.64	1.570	17.3	1.6	20.39	-63.8	9.70	1.0
1:30 PM	6.63	1.572	26.2	1.6	20.33	-64.5	-	-
1:35 PM	6.63	1.566	18.9	1.5	20.09	-64.1	9.70	1.5

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium □

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-38**	**Job No. 17029902**
Date: 8/26/2014	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-38_082614
Well Depth (ft)	15
Screened Interval (ft)	10 (5 to 15 ft BTOC)
Casing Elevation (ft NAVD88)	11.44
Casing Diameter (in)	2
Initial Depth to Water (ft)	9.82
Water Elevation (ft NAVD88)	1.62
Casing Volume (gal)	-
PID/FID Reading (ppm)	0.7

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.05
Start Purge Time	1:17 PM
End Purge Time	2:12 PM
Volume Purged (gal)	3

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	2:12 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	10.2
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
1:17 PM	6.63	20.070	423.9	10.1	22.47	-110.4	10.00	-
1:27 PM	6.59	27.540	289.1	33.9	23.31	-83.6	-	-
1:32 PM	6.53	27.510	210.7	3.0	23.45	-99	10.15	0.50
1:37 PM	6.52	27.640	59.3	2.1	21.64	-100.8	-	-
1:42 PM	6.50	27.680	30.3	2.0	21.66	-96.5	-	-
1:52 PM	6.48	27.840	21.7	2.1	22.54	-97.8	10.20	3.00
2:02 PM	6.48	27.860	15.1	2.1	22.99	-89.1	-	-
2:12 PM	6.50	27.750	12.4	1.8	21.40	-95.1	-	-

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium □

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-39**	**Job No. 17029902**
Date: 8/26/2014	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-39_082614
Well Depth (ft)	14
Screened Interval (ft)	10 (4 to 14 ft BTOC)
Casing Elevation (ft NAVD88)	8.47
Casing Diameter (in)	2
Initial Depth to Water (ft)	7.3
Water Elevation (ft NAVD88)	1.17
Casing Volume (gal)	-
PID/FID Reading (ppm)	0.7

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.05
Start Purge Time	3:05 PM
End Purge Time	3:40 PM
Volume Purged (gal)	1.75

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	3:40 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	7.6
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
3:05 PM	6.13	3.559	109.9	22.5	26.44	5.5	7.30	-
3:10 PM	6.09	3.021	125.4	18.5	24.87	10.1	-	-
3:15 PM	6.06	2.730	65.1	15.2	23.94	19.8	7.55	0.50
3:20 PM	6.02	2.660	49.6	14.4	23.92	27.1	-	-
3:25 PM	6.00	2.604	30.4	14.7	23.90	43.2	7.60	1.00
3:30 PM	5.97	2.600	19.3	14.4	23.97	45.5	-	-
3:35 PM	5.95	2.593	14.6	13.8	23.93	46.9	-	-
3:40 PM	6.00	-	-	-	23.96	-	-	1.75

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium □

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

APPENDIX E

LABORATORY ANALYTICAL DATA REPORTS – SOIL VAPOR

ANALYTICAL REPORT

Lab Number:	L1419290
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREEN POINT LANDING
Project Number:	170229002
Report Date:	08/28/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: GREEN POINT LANDING
Project Number: 170229002

Lab Number: L1419290
Report Date: 08/28/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1419290-01	SV-25_082214	SOIL_VAPOR	BROOKLYN, NY	08/22/14 12:19	08/22/14
L1419290-02	SV-26_082214	SOIL_VAPOR	BROOKLYN, NY	08/22/14 11:54	08/22/14
L1419290-03	SV-27_082214	SOIL_VAPOR	BROOKLYN, NY	08/22/14 11:30	08/22/14
L1419290-04	SV-28_082214	SOIL_VAPOR	BROOKLYN, NY	08/22/14 13:28	08/22/14
L1419290-05	SV-29_082214	SOIL_VAPOR	BROOKLYN, NY	08/22/14 13:08	08/22/14
L1419290-06	SV-30_082214	SOIL_VAPOR	BROOKLYN, NY	08/22/14 12:50	08/22/14
L1419290-07	SV-31_082214	SOIL_VAPOR	BROOKLYN, NY	08/22/14 12:36	08/22/14
L1419290-08	SV-32_082214	SOIL_VAPOR	BROOKLYN, NY	08/22/14 13:19	08/22/14
L1419290-09	F-SVDUP_082214	SOIL_VAPOR	BROOKLYN, NY	08/22/14 00:00	08/22/14
L1419290-10	F-AA01_082214	AIR	BROOKLYN, NY	08/22/14 11:32	08/22/14
L1419290-11	CAN 213	SOIL_VAPOR	BROOKLYN, NY		08/22/14
L1419290-12	CAN 154	SOIL_VAPOR	BROOKLYN, NY		08/22/14
L1419290-13	CAN 152	SOIL_VAPOR	BROOKLYN, NY		08/22/14

Project Name: GREEN POINT LANDING
Project Number: 170229002

Lab Number: L1419290
Report Date: 08/28/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREEN POINT LANDING	**Lab Number:**	L1419290
Project Number:	170229002	**Report Date:**	08/28/14

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 19, 2014. The canister certification results are provided as an addendum.

Samples L1419290-01 through -09 and WG717398-5 Laboratory Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Samples L1419290-02, -03, -04, -08 and -09 results for Acetone should be considered estimated due to co-elution with a non-target peak.

Samples L1419290-05 and -06 were diluted and re-analyzed to quantify the samples within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

The sample designated SV-26_082214 (L1419290-02) had a RPD for the pre- and post-flow controller calibration check 53 % RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 18.0 mL/minute; the final flow rate was 30.9 mL/minute. The final pressure recorded by the laboratory of the associated canister was -15.2 inches of mercury.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 08/28/14

AIR

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-01 D
Client ID: SV-25_082214
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/27/14 19:25
Analyst: MB

Date Collected: 08/22/14 12:19
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	1850	25.0	--	3490	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	772	10.0	--	1830	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	710	5.00	--	1750	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	2.79	2.00	--	11.1	7.93	--		10
1,1-Dichloroethane	4.38	2.00	--	17.7	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	97.3	2.00	--	287	5.90	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-01 D
Client ID: SV-25_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 12:19
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	96.2	2.00	--	284	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	ND	2.00	--	ND	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	2.24	2.00	--	7.16	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	2.35	2.00	--	9.63	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	80.1	2.00	--	302	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	4.50	4.00	--	19.5	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-01 D
Client ID: SV-25_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 12:19
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	2.14	2.00	--	9.30	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	6.50	2.00	--	39.1	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	88		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-02 D
Client ID: SV-26_082214
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/27/14 20:28
Analyst: MB

Date Collected: 08/22/14 11:54
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	1.07	0.667	--	2.21	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.71	--		3.333
1,3-Butadiene	4.90	0.667	--	10.8	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	681	8.33	--	1280	15.7	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	561	3.33	--	1330	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	288	1.67	--	708	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Tertiary butyl Alcohol	2.73	1.67	--	8.28	5.06	--		3.333
Methylene chloride	ND	1.67	--	ND	5.80	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	9.46	0.667	--	29.5	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	1.52	0.667	--	6.03	2.64	--		3.333
1,1-Dichloroethane	2.57	0.667	--	10.4	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
2-Butanone	144	0.667	--	425	1.97	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-02 D
Client ID: SV-26_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 11:54
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.693	0.667	--	3.38	3.26	--		3.333
Tetrahydrofuran	281	0.667	--	829	1.97	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	22.8	0.667	--	80.4	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	2.69	0.667	--	8.59	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	7.55	0.667	--	26.0	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	ND	0.667	--	ND	3.58	--		3.333
2,2,4-Trimethylpentane	0.976	0.667	--	4.56	3.12	--		3.333
Heptane	4.50	0.667	--	18.4	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	0.667	--	ND	2.73	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	117	0.667	--	441	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.13	--		3.333
Tetrachloroethene	ND	0.667	--	ND	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	1.92	0.667	--	8.34	2.90	--		3.333
p/m-Xylene	6.38	1.33	--	27.7	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333
Styrene	ND	0.667	--	ND	2.84	--		3.333

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-02 D
Client ID: SV-26_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 11:54
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	3.02	0.667	--	13.1	2.90	--		3.333
4-Ethyltoluene	ND	0.667	--	ND	3.28	--		3.333
1,3,5-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
1,2,4-Trimethylbenzene	1.26	0.667	--	6.19	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	2.04	0.667	--	12.3	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	86		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	77		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-03 D
Client ID: SV-27_082214
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/27/14 21:00
Analyst: MB

Date Collected: 08/22/14 11:30
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	348	25.0	--	656	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	848	10.0	--	2010	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	105	5.00	--	258	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	2.28	2.00	--	9.23	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	297	2.00	--	876	5.90	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-03 D
Client ID: SV-27_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 11:30
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	762	2.00	--	2250	5.90	--		10
1,2-Dichloroethane	2.21	2.00	--	8.94	8.09	--		10
n-Hexane	7.59	2.00	--	26.7	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	2.73	2.00	--	8.72	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	3.73	2.00	--	12.8	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	15.0	2.00	--	80.6	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	3.48	2.00	--	14.3	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	157	2.00	--	592	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	2.79	2.00	--	12.1	8.69	--		10
p/m-Xylene	9.21	4.00	--	40.0	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-03 D
Client ID: SV-27_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 11:30
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	4.33	2.00	--	18.8	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-04 D
Client ID: SV-28_082214
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/27/14 21:32
Analyst: MB

Date Collected: 08/22/14 13:28
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	2.58	1.00	--	5.33	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	2.89	1.00	--	6.39	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	1210	12.5	--	2280	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	603	5.00	--	1430	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	473	2.50	--	1160	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	3.38	2.50	--	10.2	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	13.8	1.00	--	43.0	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	1.82	1.00	--	7.37	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	92.5	1.00	--	273	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-04 D
Client ID: SV-28_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 13:28
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	145	1.00	--	428	2.95	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	55.9	1.00	--	197	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	1.56	1.00	--	4.98	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	2.60	1.00	--	8.95	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	1.18	1.00	--	5.51	4.67	--		5
Heptane	3.05	1.00	--	12.5	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	57.0	1.00	--	215	3.77	--		5
2-Hexanone	ND	1.00	--	ND	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	ND	1.00	--	ND	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	1.04	1.00	--	4.52	4.34	--		5
p/m-Xylene	3.37	2.00	--	14.6	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-04 D
Client ID: SV-28_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 13:28
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	1.56	1.00	--	6.78	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	1.08	1.00	--	5.31	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	4.98	1.00	--	29.9	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	90		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-05 D
Client ID: SV-29_082214
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/27/14 22:04
Analyst: MB

Date Collected: 08/22/14 13:08
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	1.52	1.00	--	3.14	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	1450	12.5	--	2730	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	626	5.00	--	1490	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	574	2.50	--	1410	6.15	--	E	5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	3.22	2.50	--	9.76	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	1.22	1.00	--	3.80	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	1.17	1.00	--	4.64	3.96	--		5
1,1-Dichloroethane	2.54	1.00	--	10.3	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	93.6	1.00	--	276	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-05 D
Client ID: SV-29_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 13:08
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	118	1.00	--	348	2.95	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	1.08	1.00	--	3.81	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	1.32	1.00	--	4.22	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	1.78	1.00	--	6.13	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	4.01	1.00	--	21.6	5.37	--		5
2,2,4-Trimethylpentane	1.02	1.00	--	4.76	4.67	--		5
Heptane	1.70	1.00	--	6.97	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	72.4	1.00	--	273	3.77	--		5
2-Hexanone	ND	1.00	--	ND	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	ND	1.00	--	ND	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	1.46	1.00	--	6.34	4.34	--		5
p/m-Xylene	5.16	2.00	--	22.4	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-05 D
Client ID: SV-29_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 13:08
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	2.34	1.00	--	10.2	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	1.44	1.00	--	7.08	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	5.78	1.00	--	34.8	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	90		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	91		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-05 D2
Client ID: SV-29_082214
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/28/14 09:16
Analyst: MB

Date Collected: 08/22/14 13:08
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Isopropanol	618	5.00	--	1520	12.3	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	89		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-06 D
Client ID: SV-30_082214
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/27/14 22:35
Analyst: MB

Date Collected: 08/22/14 12:50
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	1.92	1.00	--	3.96	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	1410	12.5	--	2660	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	768	5.00	--	1820	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	543	2.50	--	1330	6.15	--	E	5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	3.61	2.50	--	10.9	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	1.78	1.00	--	5.54	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	1.28	1.00	--	5.07	3.96	--		5
1,1-Dichloroethane	3.00	1.00	--	12.1	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	122	1.00	--	360	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-06 D
Client ID: SV-30_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 12:50
Date Received: 08/22/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	174	1.00	--	513	2.95	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	1.68	1.00	--	5.92	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	1.52	1.00	--	4.86	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	1.93	1.00	--	6.64	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	1.86	1.00	--	7.62	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	63.6	1.00	--	240	3.77	--		5
2-Hexanone	ND	1.00	--	ND	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	ND	1.00	--	ND	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	1.02	1.00	--	4.43	4.34	--		5
p/m-Xylene	3.24	2.00	--	14.1	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-06 D
Client ID: SV-30_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 12:50
Date Received: 08/22/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	1.48	1.00	--	6.43	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	4.19	1.00	--	25.2	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	88		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-06 D2
Client ID: SV-30_082214
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/28/14 09:47
Analyst: MB

Date Collected: 08/22/14 12:50
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Isopropanol	574	5.00	--	1410	12.3	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-07 D
Client ID: SV-31_082214
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/27/14 23:07
Analyst: MB

Date Collected: 08/22/14 12:36
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.392	0.250	--	1.94	1.24	--		1.25
Chloromethane	0.300	0.250	--	0.620	0.516	--		1.25
Freon-114	ND	0.250	--	ND	1.75	--		1.25
Vinyl chloride	ND	0.250	--	ND	0.639	--		1.25
1,3-Butadiene	ND	0.250	--	ND	0.553	--		1.25
Bromomethane	ND	0.250	--	ND	0.971	--		1.25
Chloroethane	ND	0.250	--	ND	0.660	--		1.25
Ethanol	221	3.12	--	416	5.88	--		1.25
Vinyl bromide	ND	0.250	--	ND	1.09	--		1.25
Acetone	433	1.25	--	1030	2.97	--		1.25
Trichlorofluoromethane	0.454	0.250	--	2.55	1.40	--		1.25
Isopropanol	90.6	0.625	--	223	1.54	--		1.25
1,1-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
Tertiary butyl Alcohol	11.7	0.625	--	35.5	1.89	--		1.25
Methylene chloride	0.745	0.625	--	2.59	2.17	--		1.25
3-Chloropropene	ND	0.250	--	ND	0.783	--		1.25
Carbon disulfide	6.54	0.250	--	20.4	0.779	--		1.25
Freon-113	ND	0.250	--	ND	1.92	--		1.25
trans-1,2-Dichloroethene	0.259	0.250	--	1.03	0.991	--		1.25
1,1-Dichloroethane	0.569	0.250	--	2.30	1.01	--		1.25
Methyl tert butyl ether	1.18	0.250	--	4.25	0.901	--		1.25
2-Butanone	62.6	0.250	--	185	0.737	--		1.25
cis-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
Ethyl Acetate	ND	0.625	--	ND	2.25	--		1.25

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-07 D
Client ID: SV-31_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 12:36
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.719	0.250	--	3.51	1.22	--		1.25
Tetrahydrofuran	91.7	0.250	--	270	0.737	--		1.25
1,2-Dichloroethane	ND	0.250	--	ND	1.01	--		1.25
n-Hexane	1.79	0.250	--	6.31	0.881	--		1.25
1,1,1-Trichloroethane	0.461	0.250	--	2.52	1.36	--		1.25
Benzene	2.50	0.250	--	7.99	0.799	--		1.25
Carbon tetrachloride	0.768	0.250	--	4.83	1.57	--		1.25
Cyclohexane	3.32	0.250	--	11.4	0.861	--		1.25
1,2-Dichloropropane	ND	0.250	--	ND	1.16	--		1.25
Bromodichloromethane	ND	0.250	--	ND	1.67	--		1.25
1,4-Dioxane	ND	0.250	--	ND	0.901	--		1.25
Trichloroethene	ND	0.250	--	ND	1.34	--		1.25
2,2,4-Trimethylpentane	0.891	0.250	--	4.16	1.17	--		1.25
Heptane	1.93	0.250	--	7.91	1.02	--		1.25
cis-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
4-Methyl-2-pentanone	1.29	0.250	--	5.29	1.02	--		1.25
trans-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
1,1,2-Trichloroethane	ND	0.250	--	ND	1.36	--		1.25
Toluene	48.2	0.250	--	182	0.942	--		1.25
2-Hexanone	0.279	0.250	--	1.14	1.02	--		1.25
Dibromochloromethane	ND	0.250	--	ND	2.13	--		1.25
1,2-Dibromoethane	ND	0.250	--	ND	1.92	--		1.25
Tetrachloroethene	ND	0.250	--	ND	1.70	--		1.25
Chlorobenzene	ND	0.250	--	ND	1.15	--		1.25
Ethylbenzene	1.32	0.250	--	5.73	1.09	--		1.25
p/m-Xylene	4.68	0.500	--	20.3	2.17	--		1.25
Bromoform	ND	0.250	--	ND	2.58	--		1.25
Styrene	0.762	0.250	--	3.24	1.06	--		1.25

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-07 D
Client ID: SV-31_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 12:36
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.250	--	ND	1.72	--		1.25
o-Xylene	2.09	0.250	--	9.08	1.09	--		1.25
4-Ethyltoluene	0.261	0.250	--	1.28	1.23	--		1.25
1,3,5-Trimethylbenzene	0.401	0.250	--	1.97	1.23	--		1.25
1,2,4-Trimethylbenzene	1.26	0.250	--	6.19	1.23	--		1.25
Benzyl chloride	ND	0.250	--	ND	1.29	--		1.25
1,3-Dichlorobenzene	5.39	0.250	--	32.4	1.50	--		1.25
1,4-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2,4-Trichlorobenzene	ND	0.250	--	ND	1.86	--		1.25
Hexachlorobutadiene	ND	0.250	--	ND	2.67	--		1.25

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	92		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-08 D
Client ID: SV-32_082214
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/27/14 23:39
Analyst: MB

Date Collected: 08/22/14 13:19
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	1.44	1.00	--	2.97	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	912	12.5	--	1720	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	609	5.00	--	1450	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	341	2.50	--	838	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	2.92	2.50	--	8.85	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	2.01	1.00	--	6.26	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	1.72	1.00	--	6.96	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	126	1.00	--	372	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-08 D
Client ID: SV-32_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 13:19
Date Received: 08/22/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	224	1.00	--	661	2.95	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	7.52	1.00	--	26.5	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	1.34	1.00	--	4.28	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	1.64	1.00	--	5.65	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	3.64	1.00	--	19.6	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	1.91	1.00	--	7.83	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	85.6	1.00	--	323	3.77	--		5
2-Hexanone	ND	1.00	--	ND	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	ND	1.00	--	ND	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	1.56	1.00	--	6.78	4.34	--		5
p/m-Xylene	5.30	2.00	--	23.0	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-08 D
Client ID: SV-32_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 13:19
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	2.48	1.00	--	10.8	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	1.49	1.00	--	7.33	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	6.09	1.00	--	36.6	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	88		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	86		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-09 D
Client ID: F-SVDUP_082214
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/28/14 00:11
Analyst: MB

Date Collected: 08/22/14 00:00
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	0.936	0.667	--	1.93	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.71	--		3.333
1,3-Butadiene	4.50	0.667	--	9.96	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	700	8.33	--	1320	15.7	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	590	3.33	--	1400	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	297	1.67	--	730	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Tertiary butyl Alcohol	2.76	1.67	--	8.37	5.06	--		3.333
Methylene chloride	ND	1.67	--	ND	5.80	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	9.00	0.667	--	28.0	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	1.71	0.667	--	6.78	2.64	--		3.333
1,1-Dichloroethane	2.81	0.667	--	11.4	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
2-Butanone	147	0.667	--	434	1.97	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-09 D
Client ID: F-SVDUP_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 00:00
Date Received: 08/22/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.683	0.667	--	3.34	3.26	--		3.333
Tetrahydrofuran	283	0.667	--	835	1.97	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	21.0	0.667	--	74.0	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	2.47	0.667	--	7.89	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	7.17	0.667	--	24.7	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	ND	0.667	--	ND	3.58	--		3.333
2,2,4-Trimethylpentane	0.950	0.667	--	4.44	3.12	--		3.333
Heptane	4.38	0.667	--	17.9	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	0.667	--	ND	2.73	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	120	0.667	--	452	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.13	--		3.333
Tetrachloroethene	ND	0.667	--	ND	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	1.83	0.667	--	7.95	2.90	--		3.333
p/m-Xylene	5.95	1.33	--	25.8	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333
Styrene	ND	0.667	--	ND	2.84	--		3.333

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-09 D
Client ID: F-SVDUP_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 00:00
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	2.75	0.667	--	11.9	2.90	--		3.333
4-Ethyltoluene	ND	0.667	--	ND	3.28	--		3.333
1,3,5-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
1,2,4-Trimethylbenzene	1.12	0.667	--	5.51	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	1.82	0.667	--	10.9	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	88		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-10
Client ID: F-AA01_082214
Sample Location: BROOKLYN, NY
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/27/14 17:49
Analyst: MB

Date Collected: 08/22/14 11:32
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.279	0.200	--	1.38	0.989	--		1
Chloromethane	0.543	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	3.90	2.50	--	7.35	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.54	1.00	--	10.8	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.410	0.200	--	1.21	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-10
Client ID: F-AA01_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 11:32
Date Received: 08/22/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.681	0.200	--	2.01	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.754	0.200	--	2.84	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419290-10
Client ID: F-AA01_082214
Sample Location: BROOKLYN, NY
Date Collected: 08/22/14 11:32
Date Received: 08/22/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	95		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/27/14 15:23

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG717398-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/27/14 15:23

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG717398-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: GREEN POINT LANDING
Project Number: 170229002
Lab Number: L1419290
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/27/14 15:23

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG717398-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREEN POINT LANDING

Project Number: 170229002

Lab Number: L1419290

Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG717398-3								
Chlorodifluoromethane	81		-		70-130	-		
Propylene	98		-		70-130	-		
Propane	81		-		70-130	-		
Dichlorodifluoromethane	86		-		70-130	-		
Chloromethane	88		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	84		-		70-130	-		
Methanol	94		-		70-130	-		
Vinyl chloride	87		-		70-130	-		
1,3-Butadiene	95		-		70-130	-		
Butane	85		-		70-130	-		
Bromomethane	81		-		70-130	-		
Chloroethane	90		-		70-130	-		
Ethyl Alcohol	109		-		70-130	-		
Dichlorofluoromethane	81		-		70-130	-		
Vinyl bromide	82		-		70-130	-		
Acrolein	87		-		70-130	-		
Acetone	100		-		70-130	-		
Acetonitrile	92		-		70-130	-		
Trichlorofluoromethane	87		-		70-130	-		
iso-Propyl Alcohol	96		-		70-130	-		
Acrylonitrile	86		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREEN POINT LANDING
Project Number: 170229002

Lab Number: L1419290
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG717398-3								
Pentane	89		-		70-130	-		
Ethyl ether	88		-		70-130	-		
1,1-Dichloroethene	86		-		70-130	-		
tert-Butyl Alcohol	85		-		70-130	-		
Methylene chloride	90		-		70-130	-		
3-Chloropropene	92		-		70-130	-		
Carbon disulfide	79		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	79		-		70-130	-		
trans-1,2-Dichloroethene	80		-		70-130	-		
1,1-Dichloroethane	86		-		70-130	-		
Methyl tert butyl ether	84		-		70-130	-		
Vinyl acetate	111		-		70-130	-		
2-Butanone	92		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		
Ethyl Acetate	90		-		70-130	-		
Chloroform	86		-		70-130	-		
Tetrahydrofuran	86		-		70-130	-		
2,2-Dichloropropane	81		-		70-130	-		
1,2-Dichloroethane	86		-		70-130	-		
n-Hexane	99		-		70-130	-		
Isopropyl Ether	90		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREEN POINT LANDING
Project Number: 170229002

Lab Number: L1419290
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG717398-3								
Ethyl-Tert-Butyl-Ether	92		-		70-130	-		
1,1,1-Trichloroethane	99		-		70-130	-		
1,1-Dichloropropene	94		-		70-130	-		
Benzene	95		-		70-130	-		
Carbon tetrachloride	98		-		70-130	-		
Cyclohexane	100		-		70-130	-		
Tertiary-Amyl Methyl Ether	89		-		70-130	-		
Dibromomethane	90		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	95		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Methyl methacrylate	108		-		70-130	-		
Heptane	104		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
4-Methyl-2-pentanone	106		-		70-130	-		
trans-1,3-Dichloropropene	87		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	85		-		70-130	-		
1,3-Dichloropropane	80		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREEN POINT LANDING

Project Number: 170229002

Lab Number: L1419290

Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG717398-3								
2-Hexanone	94		-		70-130	-		
Dibromochloromethane	84		-		70-130	-		
1,2-Dibromoethane	86		-		70-130	-		
Butyl Acetate	71		-		70-130	-		
Octane	77		-		70-130	-		
Tetrachloroethene	80		-		70-130	-		
1,1,1,2-Tetrachloroethane	78		-		70-130	-		
Chlorobenzene	83		-		70-130	-		
Ethylbenzene	86		-		70-130	-		
p/m-Xylene	86		-		70-130	-		
Bromoform	84		-		70-130	-		
Styrene	86		-		70-130	-		
1,1,2,2-Tetrachloroethane	88		-		70-130	-		
o-Xylene	89		-		70-130	-		
Nonane (C9)	86		-		70-130	-		
Isopropylbenzene	82		-		70-130	-		
Bromobenzene	80		-		70-130	-		
o-Chlorotoluene	77		-		70-130	-		
n-Propylbenzene	78		-		70-130	-		
p-Chlorotoluene	80		-		70-130	-		
4-Ethyltoluene	79		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREEN POINT LANDING

Project Number: 170229002

Lab Number: L1419290

Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG717398-3								
1,3,5-Trimethylbenzene	86		-		70-130	-		
tert-Butylbenzene	80		-		70-130	-		
1,2,4-Trimethylbenzene	88		-		70-130	-		
Decane (C10)	86		-		70-130	-		
Benzyl chloride	84		-		70-130	-		
1,3-Dichlorobenzene	84		-		70-130	-		
1,4-Dichlorobenzene	84		-		70-130	-		
sec-Butylbenzene	81		-		70-130	-		
p-Isopropyltoluene	76		-		70-130	-		
1,2-Dichlorobenzene	84		-		70-130	-		
n-Butylbenzene	85		-		70-130	-		
1,2-Dibromo-3-chloropropane	79		-		70-130	-		
Undecane	87		-		70-130	-		
Dodecane (C12)	94		-		70-130	-		
1,2,4-Trichlorobenzene	82		-		70-130	-		
Naphthalene	81		-		70-130	-		
1,2,3-Trichlorobenzene	78		-		70-130	-		
Hexachlorobutadiene	77		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREEN POINT LANDING
Project Number: 170229002

Lab Number: L1419290
Report Date: 08/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG717398-5 QC Sample: L1419290-01 Client ID: SV-25_082214						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	2.09	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	1850	1870	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	772	776	ppbV	1		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	710	702	ppbV	1		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	2.79	2.71	ppbV	3		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREEN POINT LANDING
Project Number: 170229002

Lab Number: L1419290
Report Date: 08/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG717398-5 QC Sample: L1419290-01 Client ID: SV-25_082214					
1,1-Dichloroethane	4.38	4.46	ppbV	2	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	97.3	96.2	ppbV	1	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	96.2	94.8	ppbV	1	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	2.24	2.28	ppbV	2	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	2.11	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	2.35	2.15	ppbV	9	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREEN POINT LANDING
Project Number: 170229002

Lab Number: L1419290
Report Date: 08/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG717398-5 QC Sample: L1419290-01 Client ID: SV-25_082214					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	80.1	79.1	ppbV	1	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	4.50	4.43	ppbV	2	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	2.14	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREEN POINT LANDING
Project Number: 170229002

Lab Number: L1419290
Report Date: 08/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG717398-5 QC Sample: L1419290-01 Client ID: SV-25_082214					
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	6.50	6.57	ppbV	1	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: GREEN POINT LANDING

Lab Number: L1419290

Project Number: 170229002

Report Date: 08/28/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1419290-01	SV-25_082214	0440	#30 SV	08/19/14	107174		-	-	-	Pass	17.0	20.8	20
L1419290-01	SV-25_082214	499	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.4	-6.2	-	-	-	-
L1419290-02	SV-26_082214	0426	#30 SV	08/19/14	107174		-	-	-	Pass	18.0	30.9	53
L1419290-02	SV-26_082214	109	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.5	-15.2	-	-	-	-
L1419290-03	SV-27_082214	0046	#30 AMB	08/19/14	107174		-	-	-	Pass	17.9	19.9	11
L1419290-03	SV-27_082214	223	2.7L Can	08/19/14	107174	L1418520-01	Pass	-28.9	-4.3	-	-	-	-
L1419290-04	SV-28_082214	0005	#30 SV	08/19/14	107174		-	-	-	Pass	18.0	22.1	20
L1419290-04	SV-28_082214	557	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.4	-6.3	-	-	-	-
L1419290-05	SV-29_082214	0100	#20 AMB	08/19/14	107174		-	-	-	Pass	18.0	18.5	3
L1419290-05	SV-29_082214	323	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.5	-3.9	-	-	-	-
L1419290-06	SV-30_082214	0414	#20 SV	08/19/14	107174		-	-	-	Pass	18.0	19.5	8
L1419290-06	SV-30_082214	549	2.7L Can	08/19/14	107174	L1418520-01	Pass	-28.6	-4.4	-	-	-	-
L1419290-07	SV-31_082214	0067	#20 SV	08/19/14	107174		-	-	-	Pass	17.7	18.9	7
L1419290-07	SV-31_082214	221	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.4	-6.5	-	-	-	-
L1419290-08	SV-32_082214	0404	#30 AMB	08/19/14	107174		-	-	-	Pass	18.0	20.2	12

Project Name: GREEN POINT LANDING

Lab Number: L1419290

Project Number: 170229002

Report Date: 08/28/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1419290-08	SV-32_082214	126	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.6	-5.6	-	-	-	-
L1419290-09	F-SVDUP_082214	0579	#30 SV	08/19/14	107174		-	-	-	Pass	17.2	17.1	1
L1419290-09	F-SVDUP_082214	474	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.4	-11.4	-	-	-	-
L1419290-10	F-AA01_082214	0250	#20 SV	08/19/14	107174		-	-	-	Pass	17.7	20.6	15
L1419290-10	F-AA01_082214	215	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.6	-3.4	-	-	-	-
L1419290-11	CAN 213	213	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.6	-29.7	-	-	-	-
L1419290-12	CAN 154	154	2.7L Can	08/19/14	107174	L1418520-01	Pass	-28.4	-28.4	-	-	-	-
L1419290-13	CAN 152	152	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.6	-29.4	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1418520
Report Date: 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01
Client ID: CAN 348 SHELF 2
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/15/14 10:47
Analyst: RY

Date Collected: 08/14/14 17:41
Date Received: 08/15/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1418520
Report Date: 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01
Client ID: CAN 348 SHELF 2
Sample Location:
Date Collected: 08/14/14 17:41
Date Received: 08/15/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1418520
Report Date: 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01
Client ID: CAN 348 SHELF 2
Sample Location:
Date Collected: 08/14/14 17:41
Date Received: 08/15/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1418520
Report Date: 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01
Client ID: CAN 348 SHELF 2
Sample Location:
Date Collected: 08/14/14 17:41
Date Received: 08/15/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1418520
Report Date: 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01
Client ID: CAN 348 SHELF 2
Sample Location:
Date Collected: 08/14/14 17:41
Date Received: 08/15/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1418520
Report Date: 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01
Client ID: CAN 348 SHELF 2
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/15/14 10:47
Analyst: RY

Date Collected: 08/14/14 17:41
Date Received: 08/15/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1418520
Report Date: 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01
Client ID: CAN 348 SHELF 2
Sample Location:

Date Collected: 08/14/14 17:41
Date Received: 08/15/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1418520
Report Date: 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01
Client ID: CAN 348 SHELF 2
Sample Location:
Date Collected: 08/14/14 17:41
Date Received: 08/15/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	101		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	99		60-140

Project Name: GREEN POINT LANDING
Project Number: 170229002

Lab Number: L1419290
Report Date: 08/28/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419290-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1419290-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1419290-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1419290-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1419290-05A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1419290-06A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1419290-07A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1419290-08A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1419290-09A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1419290-10A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1419290-11A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	CLEAN-FEE()
L1419290-12A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	CLEAN-FEE()
L1419290-13A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	GREEN POINT LANDING	**Lab Number:**	L1419290
Project Number:	170229002	**Report Date:**	08/28/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: Data Usability Report

Project Name:	GREEN POINT LANDING	**Lab Number:**	L1419290
Project Number:	170229002	**Report Date:**	08/28/14

Data Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1419290

Client Information

Client: LANGAN, D.P.C.
Address:
Phone:
Fax:
Email: GuyKa@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: NUMI RANGOOLOOSKY
ALPHA Quote #: 2014687

Turn-Around Time

☒ Standard ☐ RUSH *(only confirmed if pre-approved!)*
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
NYSDOH	AGVS	

Other Project Specific Requirements/Comments:
1) PROVIDE EDD's
2) PROVIDE ASP CATEGORY B DELIVERABLE EQUIV.

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
19290-01	SV-25_082214	8/22/14	10:19	12:19	-29.73	-5.2	SV		2.7L	499	0440		X						PID = 0.9 ppm
-02	SV-26_082214		9:54	11:54	-29.73	-14.47	SV			109	0426		X						0.9 ppm
-03	SV-27_082214		9:30	11:30	-29.14	-3.83	SV			223	0046		X						0.9 ppm
-04	SV-28_082214		11:28	13:28	-29.76	-5.01	SV			557	0005		X						0.2 ppm
-05	SV-29_082214		11:08	13:08	-30.72	-3.34	SV			323	0100		X						0 ppm
-06	SV-30_082214		10:50	12:50	-29.85	-4.0	SV			549	0414		X						0 ppm
-07	SV-31_082214		10:36	12:36	-30.09	-6.16	SV			221	0067		X						0.8 ppm
-08	SV-32_082214		11:19	13:19	-30.39	-5.25	SV			126	0404		X						0 ppm
-09	F_SVDUP_082214		[redacted]		-29.75	-11.31	SV			474	0579		X						-
-10	F_AA01_082214		9:32	11:32	-29.86	-2.64	AA			215	0250		X						-

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	8/22/14 1655		8/22/14 1655
	8/22/14 2000		8/22/14 2000
	8/23/14 1:04		8/23/14 1:05

Form No: 101-02 (19-Jun-09)

APPENDIX F

LABORATORY ANALYTICAL DATA REPORTS – SOIL

ANALYTICAL REPORT

Lab Number:	L1418860
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	08/27/14

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Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1418860-01	SB-38_0-2	SOIL	BROOKLYN, NY	08/19/14 10:55	08/19/14
L1418860-02	SB-38_3-5	SOIL	BROOKLYN, NY	08/19/14 11:00	08/19/14
L1418860-03	SB-39_0-2	SOIL	BROOKLYN, NY	08/19/14 13:50	08/19/14
L1418860-04	SB-39_5-7	SOIL	BROOKLYN, NY	08/19/14 13:55	08/19/14
L1418860-05	SB-40_0-2	SOIL	BROOKLYN, NY	08/19/14 10:00	08/19/14
L1418860-06	SB-40_5-7	SOIL	BROOKLYN, NY	08/19/14 10:05	08/19/14
L1418860-07	SB-41_0-2	SOIL	BROOKLYN, NY	08/19/14 12:15	08/19/14
L1418860-08	SB-41_7-9	SOIL	BROOKLYN, NY	08/19/14 12:20	08/19/14
L1418860-09	SB-42_0-2	SOIL	BROOKLYN, NY	08/19/14 10:20	08/19/14
L1418860-10	SB-42_6-8	SOIL	BROOKLYN, NY	08/19/14 10:25	08/19/14
L1418860-11	SB-43_0-2	SOIL	BROOKLYN, NY	08/19/14 09:45	08/19/14
L1418860-12	SB-43_6-8	SOIL	BROOKLYN, NY	08/19/14 09:50	08/19/14
L1418860-13	SB-44_0-2	SOIL	BROOKLYN, NY	08/19/14 13:20	08/19/14
L1418860-14	SB-44_3-5	SOIL	BROOKLYN, NY	08/19/14 13:25	08/19/14
L1418860-15	SB-45_0-2	SOIL	BROOKLYN, NY	08/19/14 13:35	08/19/14
L1418860-16	SB-45_3-5	SOIL	BROOKLYN, NY	08/19/14 13:40	08/19/14
L1418860-17	F_SODUP01_5-7	SOIL	BROOKLYN, NY	08/19/14 00:00	08/19/14
L1418860-18	F_SOFB01_081914	WATER	BROOKLYN, NY	08/19/14 15:45	08/19/14
L1418860-19	F_SOTB01_081914	WATER	BROOKLYN, NY	08/19/14 00:00	08/19/14

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1418860
Project Number: 170229002 **Report Date:** 08/27/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1418860-09: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

The WG716585-4/-5 MS/MSD recoveries, performed on L1418860-12, are outside the acceptance criteria for dibromochloromethane (MS at 67%), chlorobenzene (MS at 68%), trans-1,3-dichloropropene (59%/64%), cis-1,3-dichloropropene (MS at 69%), bromoform (58%/62%), 1,1,2,2-tetrachloroethane (MS at 68%), 1,2-dichlorobenzene (54%/62%), 1,3-dichlorobenzene (53%/61%), 1,4-dichlorobenzene (51%/60%), styrene (63%/69%), vinyl acetate (62%/68%), 2-hexanone (57%/60%), 1,2-dibromoethane (MS at 69%), bromobenzene (59%/66%), n-butylbenzene (54%/58%), sec-butylbenzene (62%/64%), tert-butylbenzene (66%/68%), o-chlorotoluene (62%/66%), p-chlorotoluene (55%/62%), 1,2-dibromo-3-chloropropane (54%/62%), hexachlorobutadiene (41%/44%), isopropylbenzene (MS at 68%), p-isopropyltoluene (60%/64%), naphthalene (40%/53%), n-propylbenzene (63%/66%), 1,2,3-trichlorobenzene (39%/51%), 1,2,4-trichlorobenzene (39%/49%), 1,3,5-trimethylbenzene (65%/68%), 1,2,4-trimethylbenzene (61%/65%), 1,4-diethylbenzene (56%/60%), 4-ethyltoluene (63%/66%), 1,2,4,5-tetramethylbenzene (52%/58%), and trans-1,4-dichloro-2-butene (50%/56%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

The WG716585-4/-5 MS/MSD RPDs, performed on L1418860-12, are above the acceptance criteria for naphthalene (33%), 1,2,3-trichlorobenzene (31%), and 1,2,4-trichlorobenzene (31%).

Semivolatile Organics

L1418860-02 and -13 have elevated detection limits due to the dilutions required by the sample matrices.

The WG715710-4/-5 MS/MSD recoveries, performed on L1418860-12, are outside the acceptance criteria for 2,4-dinitrotoluene (110%/100%), fluoranthene (MSD at 220%), benzo(a)pyrene (MSD at 150%), benzo(b)fluoranthene (MSD at 160%), chrysene (MSD at 160%), phenanthrene (MSD at 260%), and pyrene

Project Name: GREENPOINT LANDING **Lab Number:** L1418860
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Case Narrative (continued)

(MSD at 200%).
The WG715710-4/-5 MS/MSD recoveries, performed on L1418860-12, are below the acceptance criteria for benzoic acid (0%/0%) due to the concentration of this compound falling below the reported detection limit.

PCBs
The WG716238-3 LCSD recoveries, associated with L1418860-12 through -17, are outside the acceptance criteria for aroclor 1016 (32%) and aroclor 1260 (24%). The surrogate recoveries for the WG716238-3 LCSD are outside the individual acceptance criteria for decachlorobiphenyl (23%/25%). The associated LCS recoveries are within overall method allowances. No further action was required.

Pesticides
The WG716064-3 LCSD recoveries, associated with L1418860-18, are outside the acceptance criteria for delta-BHC (182%), beta-BHC (172%), heptachlor epoxide (165%), endrin (204%), endrin ketone (178%), dieldrin (204%), endosulfan I (173%), endosulfan II (191%), endosulfan sulfate (193%), and methoxychlor (164%); however, the associated LCS recoveries are within overall method allowances. No further action was required.

Metals
L1418860-01 through -12, -14, -15, and -17 have elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
L1418860-13 and -16 have elevated detection limits for all elements, with the exception of chromium and mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG715912-1 Method Blank, associated with -14, -15 and -17, has a concentration above the reporting limit for chromium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.
The WG715288-4 MSD recovery, performed on L1418860-12, is outside the acceptance criteria for mercury (394%). A post digestion spike was performed and was within acceptance criteria.
The WG715288-3/-4 MS/MSD RPD, performed on L1418860-12, is above the acceptance criteria for mercury

Case Narrative (continued)

(58%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.
The WG715887-3/-4 MS/MSD recoveries for aluminum (0%/0%), calcium (MS at 246%), iron (0%/0%), and lead (0%/47%), performed on L1418860-12, do not apply because the sample concentrations are greater than four times the spike amount added.
The WG715887-3/-4 MS/MSD recoveries, performed on L1418860-12, are outside the acceptance criteria for arsenic (20%/10%), barium (MS at 74%), copper (0%/0%), magnesium (MS at 74%), manganese (74%/48%), and zinc (MSD at 72%). A post digestion spike was performed and yielded unacceptable recoveries for arsenic (71%), copper (58%), magnesium (61%), manganese (49%), and zinc (78%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.
The WG715887-3/-4 MS/MSD RPD, performed on L1418860-12, is outside the acceptance criteria for lead (34%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.
The WG715912-4 MS recoveries for aluminum (0%), calcium (0%), iron (946%), lead (46%), and magnesium (0%), performed on L1418860-13, do not apply because the sample concentrations are greater than four times the spike amount added.
The WG715912-4 MS recovery, performed on L1418860-13, is outside the acceptance criteria for zinc (0%). A post digestion spike was performed and yielded an unacceptable recovery for zinc (71%). This has been attributed to sample matrix.
The WG715912-3 Laboratory Duplicate RPDs, performed on L1418860-13, are outside the acceptance criteria for arsenic (21%), calcium (36%), iron (34%), lead (44%), magnesium (50%), potassium (24%), and zinc (50%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

Cyanide, Total
The WG715605-3 LCSD recovery (133%), associated with L1418860-01, -02, and -03, is above our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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Project Number: 170229002 **Report Date:** 08/27/14

Case Narrative (continued)

The WG715605-2/-3 LCS/LCSD RPD (47%), associated with L1418860-01, -02, and -03, is above the acceptance criteria.

The WG715606-3 LCSD recovery (126%), associated with L1418860-04 through -13, is above our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG715606-2/-3 LCS/LCSD RPD (40%), associated with L1418860-04 through -13, is above the acceptance criteria.

The WG715631-2/-3 LCS/LCSD recoveries (121%/79%), associated with L1418860-14 through -17, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG715631-2/-3 LCS/LCSD RPD (36%), associated with L1418860-14 through -17, is above the acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 08/27/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-01
Client ID: SB-38_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 13:13
Analyst: BN
Percent Solids: 87%

Date Collected: 08/19/14 10:55
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1000	110	1
1,1-Dichloroethane	ND		ug/kg	150	8.8	1
Chloroform	ND		ug/kg	150	38.	1
Carbon tetrachloride	ND		ug/kg	100	22.	1
1,2-Dichloropropane	ND		ug/kg	360	23.	1
Dibromochloromethane	ND		ug/kg	100	16.	1
1,1,2-Trichloroethane	ND		ug/kg	150	31.	1
Tetrachloroethene	ND		ug/kg	100	14.	1
Chlorobenzene	ND		ug/kg	100	36.	1
Trichlorofluoromethane	ND		ug/kg	510	40.	1
1,2-Dichloroethane	ND		ug/kg	100	12.	1
1,1,1-Trichloroethane	ND		ug/kg	100	11.	1
Bromodichloromethane	ND		ug/kg	100	18.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	12.	1
cis-1,3-Dichloropropene	ND		ug/kg	100	12.	1
1,1-Dichloropropene	ND		ug/kg	510	14.	1
Bromoform	ND		ug/kg	410	24.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	10.	1
Benzene	1100		ug/kg	100	12.	1
Toluene	1600		ug/kg	150	20.	1
Ethylbenzene	150		ug/kg	100	13.	1
Chloromethane	ND		ug/kg	510	30.	1
Bromomethane	ND		ug/kg	200	35.	1
Vinyl chloride	ND		ug/kg	200	12.	1
Chloroethane	ND		ug/kg	200	32.	1
1,1-Dichloroethene	ND		ug/kg	100	27.	1
trans-1,2-Dichloroethene	ND		ug/kg	150	22.	1
Trichloroethene	ND		ug/kg	100	13.	1
1,2-Dichlorobenzene	40	J	ug/kg	510	16.	1
1,3-Dichlorobenzene	ND		ug/kg	510	14.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-01 Date Collected: 08/19/14 10:55

Client ID: SB-38_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	38	J	ug/kg	510	14.	1
Methyl tert butyl ether	74	J	ug/kg	200	8.7	1
p/m-Xylene	850		ug/kg	200	20.	1
o-Xylene	120	J	ug/kg	200	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	100	15.	1
Dibromomethane	ND		ug/kg	1000	17.	1
Styrene	ND		ug/kg	200	41.	1
Dichlorodifluoromethane	ND		ug/kg	1000	20.	1
Acetone	ND		ug/kg	1000	110	1
Carbon disulfide	ND		ug/kg	1000	110	1
2-Butanone	ND		ug/kg	1000	28.	1
Vinyl acetate	ND		ug/kg	1000	14.	1
4-Methyl-2-pentanone	ND		ug/kg	1000	25.	1
1,2,3-Trichloropropane	ND		ug/kg	1000	17.	1
2-Hexanone	ND		ug/kg	1000	68.	1
Bromochloromethane	ND		ug/kg	510	28.	1
2,2-Dichloropropane	ND		ug/kg	510	23.	1
1,2-Dibromoethane	ND		ug/kg	410	18.	1
1,3-Dichloropropane	ND		ug/kg	510	15.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	33.	1
Bromobenzene	ND		ug/kg	510	21.	1
n-Butylbenzene	34	J	ug/kg	100	12.	1
sec-Butylbenzene	ND		ug/kg	100	12.	1
tert-Butylbenzene	ND		ug/kg	510	14.	1
o-Chlorotoluene	ND		ug/kg	510	16.	1
p-Chlorotoluene	ND		ug/kg	510	14.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	510	41.	1
Hexachlorobutadiene	ND		ug/kg	510	23.	1
Isopropylbenzene	ND		ug/kg	100	11.	1
p-Isopropyltoluene	ND		ug/kg	100	13.	1
Naphthalene	260	J	ug/kg	510	14.	1
Acrylonitrile	ND		ug/kg	1000	53.	1
n-Propylbenzene	55	J	ug/kg	100	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	510	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	510	19.	1
1,3,5-Trimethylbenzene	67	J	ug/kg	510	15.	1
1,2,4-Trimethylbenzene	180	J	ug/kg	510	14.	1
Methyl Acetate	ND		ug/kg	2000	28.	1
Cyclohexane	ND		ug/kg	2000	15.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-01
Client ID: SB-38_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 10:55
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	10000	1500	1
Freon-113	ND		ug/kg	2000	28.	1
p-Diethylbenzene	89	J	ug/kg	410	16.	1
p-Ethyltoluene	240	J	ug/kg	410	13.	1
1,2,4,5-Tetramethylbenzene	28	J	ug/kg	410	13.	1
Ethyl ether	77	J	ug/kg	510	27.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	510	40.	1
Methyl cyclohexane	410		ug/kg	410	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-02
Client ID: SB-38_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 13:39
Analyst: BN
Percent Solids: 93%

Date Collected: 08/19/14 11:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1100	120	1
1,1-Dichloroethane	ND		ug/kg	160	9.2	1
Chloroform	ND		ug/kg	160	40.	1
Carbon tetrachloride	ND		ug/kg	110	23.	1
1,2-Dichloropropane	ND		ug/kg	380	24.	1
Dibromochloromethane	ND		ug/kg	110	16.	1
1,1,2-Trichloroethane	ND		ug/kg	160	33.	1
Tetrachloroethene	ND		ug/kg	110	15.	1
Chlorobenzene	ND		ug/kg	110	37.	1
Trichlorofluoromethane	ND		ug/kg	540	42.	1
1,2-Dichloroethane	ND		ug/kg	110	12.	1
1,1,1-Trichloroethane	ND		ug/kg	110	12.	1
Bromodichloromethane	ND		ug/kg	110	19.	1
trans-1,3-Dichloropropene	ND		ug/kg	110	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	110	13.	1
1,1-Dichloropropene	ND		ug/kg	540	15.	1
Bromoform	ND		ug/kg	430	25.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	110	11.	1
Benzene	64	J	ug/kg	110	13.	1
Toluene	190		ug/kg	160	21.	1
Ethylbenzene	100	J	ug/kg	110	14.	1
Chloromethane	ND		ug/kg	540	32.	1
Bromomethane	ND		ug/kg	220	36.	1
Vinyl chloride	ND		ug/kg	220	13.	1
Chloroethane	ND		ug/kg	220	34.	1
1,1-Dichloroethene	ND		ug/kg	110	28.	1
trans-1,2-Dichloroethene	ND		ug/kg	160	23.	1
Trichloroethene	ND		ug/kg	110	13.	1
1,2-Dichlorobenzene	ND		ug/kg	540	16.	1
1,3-Dichlorobenzene	ND		ug/kg	540	14.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-02 Date Collected: 08/19/14 11:00

Client ID: SB-38_3-5 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	540	15.	1
Methyl tert butyl ether	95	J	ug/kg	220	9.1	1
p/m-Xylene	410		ug/kg	220	21.	1
o-Xylene	150	J	ug/kg	220	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	110	15.	1
Dibromomethane	ND		ug/kg	1100	18.	1
Styrene	ND		ug/kg	220	43.	1
Dichlorodifluoromethane	ND		ug/kg	1100	20.	1
Acetone	ND		ug/kg	1100	110	1
Carbon disulfide	ND		ug/kg	1100	120	1
2-Butanone	ND		ug/kg	1100	29.	1
Vinyl acetate	ND		ug/kg	1100	14.	1
4-Methyl-2-pentanone	ND		ug/kg	1100	26.	1
1,2,3-Trichloropropane	ND		ug/kg	1100	18.	1
2-Hexanone	ND		ug/kg	1100	72.	1
Bromochloromethane	ND		ug/kg	540	30.	1
2,2-Dichloropropane	ND		ug/kg	540	24.	1
1,2-Dibromoethane	ND		ug/kg	430	19.	1
1,3-Dichloropropane	ND		ug/kg	540	16.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	110	34.	1
Bromobenzene	ND		ug/kg	540	22.	1
n-Butylbenzene	ND		ug/kg	110	12.	1
sec-Butylbenzene	ND		ug/kg	110	13.	1
tert-Butylbenzene	ND		ug/kg	540	14.	1
o-Chlorotoluene	ND		ug/kg	540	17.	1
p-Chlorotoluene	ND		ug/kg	540	14.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	540	43.	1
Hexachlorobutadiene	ND		ug/kg	540	24.	1
Isopropylbenzene	ND		ug/kg	110	11.	1
p-Isopropyltoluene	ND		ug/kg	110	13.	1
Naphthalene	120	J	ug/kg	540	15.	1
Acrylonitrile	ND		ug/kg	1100	55.	1
n-Propylbenzene	35	J	ug/kg	110	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	540	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	540	20.	1
1,3,5-Trimethylbenzene	160	J	ug/kg	540	15.	1
1,2,4-Trimethylbenzene	230	J	ug/kg	540	15.	1
Methyl Acetate	ND		ug/kg	2200	29.	1
Cyclohexane	220	J	ug/kg	2200	16.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-02
Client ID: SB-38_3-5
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 11:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	11000	1600	1
Freon-113	ND		ug/kg	2200	29.	1
p-Diethylbenzene	160	J	ug/kg	430	17.	1
p-Ethyltoluene	170	J	ug/kg	430	13.	1
1,2,4,5-Tetramethylbenzene	38	J	ug/kg	430	14.	1
Ethyl ether	ND		ug/kg	540	28.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	540	42.	1
Methyl cyclohexane	1100		ug/kg	430	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-03
Client ID: SB-39_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 16:58
Analyst: BN
Percent Solids: 89%

Date Collected: 08/19/14 13:50
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	1.6	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.13	1
Chloroform	ND		ug/kg	2.2	0.55	1
Carbon tetrachloride	ND		ug/kg	1.5	0.31	1
1,2-Dichloropropane	ND		ug/kg	5.2	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.45	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.51	1
Trichlorofluoromethane	ND		ug/kg	7.4	0.57	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.16	1
Bromodichloromethane	ND		ug/kg	1.5	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.17	1
1,1-Dichloropropene	ND		ug/kg	7.4	0.21	1
Bromoform	ND		ug/kg	5.9	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.15	1
Benzene	ND		ug/kg	1.5	0.17	1
Toluene	0.34	J	ug/kg	2.2	0.29	1
Ethylbenzene	ND		ug/kg	1.5	0.19	1
Chloromethane	ND		ug/kg	7.4	0.43	1
Bromomethane	ND		ug/kg	3.0	0.50	1
Vinyl chloride	ND		ug/kg	3.0	0.17	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	2.7		ug/kg	1.5	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	7.4	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	7.4	0.20	1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-03
Client ID: SB-39_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:50
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	7.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.12	1
p/m-Xylene	ND		ug/kg	3.0	0.29	1
o-Xylene	ND		ug/kg	3.0	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.59	1
Dichlorodifluoromethane	ND		ug/kg	15	0.28	1
Acetone	ND		ug/kg	15	1.5	1
Carbon disulfide	ND		ug/kg	15	1.6	1
2-Butanone	ND		ug/kg	15	0.40	1
Vinyl acetate	ND		ug/kg	15	0.20	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.24	1
2-Hexanone	ND		ug/kg	15	0.98	1
Bromochloromethane	ND		ug/kg	7.4	0.41	1
2,2-Dichloropropane	ND		ug/kg	7.4	0.33	1
1,2-Dibromoethane	ND		ug/kg	5.9	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.4	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.47	1
Bromobenzene	ND		ug/kg	7.4	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.17	1
sec-Butylbenzene	ND		ug/kg	1.5	0.18	1
tert-Butylbenzene	ND		ug/kg	7.4	0.20	1
o-Chlorotoluene	ND		ug/kg	7.4	0.24	1
p-Chlorotoluene	ND		ug/kg	7.4	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.4	0.58	1
Hexachlorobutadiene	ND		ug/kg	7.4	0.34	1
Isopropylbenzene	ND		ug/kg	1.5	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.18	1
Naphthalene	ND		ug/kg	7.4	0.20	1
Acrylonitrile	ND		ug/kg	15	0.76	1
n-Propylbenzene	ND		ug/kg	1.5	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.4	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.4	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.4	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.4	0.21	1
Methyl Acetate	ND		ug/kg	30	0.40	1
Cyclohexane	ND		ug/kg	30	0.22	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-03
Client ID: SB-39_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:50
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	150	21.	1
Freon-113	ND		ug/kg	30	0.40	1
p-Diethylbenzene	ND		ug/kg	5.9	0.24	1
p-Ethyltoluene	ND		ug/kg	5.9	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.9	0.19	1
Ethyl ether	ND		ug/kg	7.4	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	0.58	1
Methyl cyclohexane	ND		ug/kg	5.9	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-04
Client ID: SB-39_5-7
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 17:23
Analyst: BN
Percent Solids: 83%

Date Collected: 08/19/14 13:55
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.17	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	0.30	J	ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.1	0.36	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.16	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-04 Date Collected: 08/19/14 13:55

Client ID: SB-39_5-7 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	47		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	8.5	J	ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.1	0.16	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.63	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
Methyl Acetate	ND		ug/kg	24	0.33	1
Cyclohexane	ND		ug/kg	24	0.18	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-04
Client ID: SB-39_5-7
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:55
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	120	18.	1
Freon-113	ND		ug/kg	24	0.34	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1
Methyl cyclohexane	ND		ug/kg	4.9	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-05
Client ID: SB-40_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 14:06
Analyst: BN
Percent Solids: 97%

Date Collected: 08/19/14 10:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	840	93.	1
1,1-Dichloroethane	ND		ug/kg	130	7.2	1
Chloroform	ND		ug/kg	130	31.	1
Carbon tetrachloride	ND		ug/kg	84	18.	1
1,2-Dichloropropane	ND		ug/kg	290	19.	1
Dibromochloromethane	ND		ug/kg	84	13.	1
1,1,2-Trichloroethane	ND		ug/kg	130	26.	1
Tetrachloroethene	ND		ug/kg	84	12.	1
Chlorobenzene	ND		ug/kg	84	29.	1
Trichlorofluoromethane	ND		ug/kg	420	33.	1
1,2-Dichloroethane	ND		ug/kg	84	9.5	1
1,1,1-Trichloroethane	ND		ug/kg	84	9.3	1
Bromodichloromethane	ND		ug/kg	84	14.	1
trans-1,3-Dichloropropene	ND		ug/kg	84	10.	1
cis-1,3-Dichloropropene	ND		ug/kg	84	9.9	1
1,1-Dichloropropene	ND		ug/kg	420	12.	1
Bromoform	ND		ug/kg	340	20.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	84	8.5	1
Benzene	ND		ug/kg	84	9.9	1
Toluene	28	J	ug/kg	130	16.	1
Ethylbenzene	36	J	ug/kg	84	11.	1
Chloromethane	ND		ug/kg	420	25.	1
Bromomethane	ND		ug/kg	170	28.	1
Vinyl chloride	ND		ug/kg	170	9.9	1
Chloroethane	ND		ug/kg	170	26.	1
1,1-Dichloroethene	ND		ug/kg	84	22.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	18.	1
Trichloroethene	2300		ug/kg	84	10.	1
1,2-Dichlorobenzene	ND		ug/kg	420	13.	1
1,3-Dichlorobenzene	ND		ug/kg	420	11.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-05 Date Collected: 08/19/14 10:00

Client ID: SB-40_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	420	12.	1
Methyl tert butyl ether	ND		ug/kg	170	7.1	1
p/m-Xylene	150	J	ug/kg	170	17.	1
o-Xylene	41	J	ug/kg	170	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	84	12.	1
Dibromomethane	ND		ug/kg	840	14.	1
Styrene	ND		ug/kg	170	34.	1
Dichlorodifluoromethane	ND		ug/kg	840	16.	1
Acetone	ND		ug/kg	840	87.	1
Carbon disulfide	ND		ug/kg	840	93.	1
2-Butanone	ND		ug/kg	840	23.	1
Vinyl acetate	ND		ug/kg	840	11.	1
4-Methyl-2-pentanone	ND		ug/kg	840	20.	1
1,2,3-Trichloropropane	ND		ug/kg	840	14.	1
2-Hexanone	ND		ug/kg	840	56.	1
Bromochloromethane	ND		ug/kg	420	23.	1
2,2-Dichloropropane	ND		ug/kg	420	19.	1
1,2-Dibromoethane	ND		ug/kg	340	15.	1
1,3-Dichloropropane	ND		ug/kg	420	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	84	27.	1
Bromobenzene	ND		ug/kg	420	17.	1
n-Butylbenzene	ND		ug/kg	84	9.6	1
sec-Butylbenzene	ND		ug/kg	84	10.	1
tert-Butylbenzene	ND		ug/kg	420	11.	1
o-Chlorotoluene	ND		ug/kg	420	13.	1
p-Chlorotoluene	ND		ug/kg	420	11.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	420	33.	1
Hexachlorobutadiene	ND		ug/kg	420	19.	1
Isopropylbenzene	ND		ug/kg	84	8.7	1
p-Isopropyltoluene	ND		ug/kg	84	10.	1
Naphthalene	ND		ug/kg	420	12.	1
Acrylonitrile	ND		ug/kg	840	43.	1
n-Propylbenzene	ND		ug/kg	84	9.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	420	12.	1
1,2,4-Trichlorobenzene	ND		ug/kg	420	15.	1
1,3,5-Trimethylbenzene	ND		ug/kg	420	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	420	12.	1
Methyl Acetate	ND		ug/kg	1700	23.	1
Cyclohexane	ND		ug/kg	1700	12.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-05
Client ID: SB-40_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 10:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	8400	1200	1
Freon-113	ND		ug/kg	1700	23.	1
p-Diethylbenzene	ND		ug/kg	340	13.	1
p-Ethyltoluene	ND		ug/kg	340	10.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	340	11.	1
Ethyl ether	ND		ug/kg	420	22.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	420	33.	1
Methyl cyclohexane	ND		ug/kg	340	13.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-06
Client ID: SB-40_5-7
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 14:25
Analyst: BN
Percent Solids: 92%

Date Collected: 08/19/14 10:05
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.15	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.4	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.15	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-06 Date Collected: 08/19/14 10:05

Client ID: SB-40_5-7 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.21	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	3.4	J	ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.72	1
Bromochloromethane	ND		ug/kg	5.4	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.15	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.43	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.4	0.15	1
Acrylonitrile	ND		ug/kg	11	0.56	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
Methyl Acetate	ND		ug/kg	22	0.29	1
Cyclohexane	ND		ug/kg	22	0.16	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-06
Client ID: SB-40_5-7
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 10:05
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	16.	1
Freon-113	ND		ug/kg	22	0.30	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.42	1
Methyl cyclohexane	ND		ug/kg	4.3	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-07
Client ID: SB-41_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 14:52
Analyst: BN
Percent Solids: 90%

Date Collected: 08/19/14 12:15
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.4	0.18	1
Bromoform	ND		ug/kg	5.1	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Chloromethane	ND		ug/kg	6.4	0.38	1
Bromomethane	ND		ug/kg	2.6	0.43	1
Vinyl chloride	ND		ug/kg	2.6	0.15	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.17	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-07 Date Collected: 08/19/14 12:15

Client ID: SB-41_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.11	1
p/m-Xylene	ND		ug/kg	2.6	0.25	1
o-Xylene	ND		ug/kg	2.6	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.52	1
Dichlorodifluoromethane	ND		ug/kg	13	0.24	1
Acetone	3.5	J	ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.35	1
Vinyl acetate	ND		ug/kg	13	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.21	1
2-Hexanone	ND		ug/kg	13	0.86	1
Bromochloromethane	ND		ug/kg	6.4	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.4	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.4	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.4	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.4	0.17	1
o-Chlorotoluene	ND		ug/kg	6.4	0.20	1
p-Chlorotoluene	ND		ug/kg	6.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	0.51	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.29	1
Isopropylbenzene	ND		ug/kg	1.3	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.4	0.18	1
Acrylonitrile	ND		ug/kg	13	0.66	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
Methyl Acetate	ND		ug/kg	26	0.35	1
Cyclohexane	ND		ug/kg	26	0.19	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-07
Client ID: SB-41_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 12:15
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	130	18.	1
Freon-113	ND		ug/kg	26	0.35	1
p-Diethylbenzene	ND		ug/kg	5.1	0.20	1
p-Ethyltoluene	ND		ug/kg	5.1	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.17	1
Ethyl ether	ND		ug/kg	6.4	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	0.50	1
Methyl cyclohexane	ND		ug/kg	5.1	0.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-08
Client ID: SB-41_7-9
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 15:19
Analyst: BN
Percent Solids: 82%

Date Collected: 08/19/14 12:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	19	2.1	1
1,1-Dichloroethane	ND		ug/kg	2.9	0.16	1
Chloroform	ND		ug/kg	2.9	0.71	1
Carbon tetrachloride	ND		ug/kg	1.9	0.40	1
1,2-Dichloropropane	ND		ug/kg	6.7	0.44	1
Dibromochloromethane	ND		ug/kg	1.9	0.29	1
1,1,2-Trichloroethane	ND		ug/kg	2.9	0.58	1
Tetrachloroethene	ND		ug/kg	1.9	0.27	1
Chlorobenzene	ND		ug/kg	1.9	0.66	1
Trichlorofluoromethane	ND		ug/kg	9.6	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.9	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.9	0.21	1
Bromodichloromethane	ND		ug/kg	1.9	0.33	1
trans-1,3-Dichloropropene	ND		ug/kg	1.9	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	1.9	0.22	1
1,1-Dichloropropene	ND		ug/kg	9.6	0.27	1
Bromoform	ND		ug/kg	7.6	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.9	0.19	1
Benzene	ND		ug/kg	1.9	0.22	1
Toluene	ND		ug/kg	2.9	0.37	1
Ethylbenzene	ND		ug/kg	1.9	0.24	1
Chloromethane	ND		ug/kg	9.6	0.56	1
Bromomethane	ND		ug/kg	3.8	0.64	1
Vinyl chloride	ND		ug/kg	3.8	0.22	1
Chloroethane	ND		ug/kg	3.8	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.9	0.50	1
trans-1,2-Dichloroethene	ND		ug/kg	2.9	0.40	1
Trichloroethene	ND		ug/kg	1.9	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	9.6	0.29	1
1,3-Dichlorobenzene	ND		ug/kg	9.6	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-08 Date Collected: 08/19/14 12:20

Client ID: SB-41_7-9 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	9.6	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.8	0.16	1
p/m-Xylene	ND		ug/kg	3.8	0.38	1
o-Xylene	ND		ug/kg	3.8	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Dibromomethane	ND		ug/kg	19	0.31	1
Styrene	ND		ug/kg	3.8	0.77	1
Dichlorodifluoromethane	ND		ug/kg	19	0.36	1
Acetone	5.7	J	ug/kg	19	2.0	1
Carbon disulfide	ND		ug/kg	19	2.1	1
2-Butanone	ND		ug/kg	19	0.52	1
Vinyl acetate	ND		ug/kg	19	0.25	1
4-Methyl-2-pentanone	ND		ug/kg	19	0.47	1
1,2,3-Trichloropropane	ND		ug/kg	19	0.31	1
2-Hexanone	ND		ug/kg	19	1.3	1
Bromochloromethane	ND		ug/kg	9.6	0.53	1
2,2-Dichloropropane	ND		ug/kg	9.6	0.43	1
1,2-Dibromoethane	ND		ug/kg	7.6	0.33	1
1,3-Dichloropropane	ND		ug/kg	9.6	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.9	0.61	1
Bromobenzene	ND		ug/kg	9.6	0.40	1
n-Butylbenzene	ND		ug/kg	1.9	0.22	1
sec-Butylbenzene	ND		ug/kg	1.9	0.23	1
tert-Butylbenzene	ND		ug/kg	9.6	0.26	1
o-Chlorotoluene	ND		ug/kg	9.6	0.30	1
p-Chlorotoluene	ND		ug/kg	9.6	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.6	0.76	1
Hexachlorobutadiene	ND		ug/kg	9.6	0.44	1
Isopropylbenzene	ND		ug/kg	1.9	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.9	0.24	1
Naphthalene	ND		ug/kg	9.6	0.26	1
Acrylonitrile	ND		ug/kg	19	0.98	1
n-Propylbenzene	ND		ug/kg	1.9	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	9.6	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	9.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	9.6	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	9.6	0.27	1
Methyl Acetate	ND		ug/kg	38	0.52	1
Cyclohexane	ND		ug/kg	38	0.28	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-08
Client ID: SB-41_7-9
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 12:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	190	28.	1
Freon-113	ND		ug/kg	38	0.52	1
p-Diethylbenzene	ND		ug/kg	7.6	0.30	1
p-Ethyltoluene	ND		ug/kg	7.6	0.24	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	7.6	0.25	1
Ethyl ether	ND		ug/kg	9.6	0.50	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.6	0.75	1
Methyl cyclohexane	ND		ug/kg	7.6	0.30	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-09
Client ID: SB-42_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 14:33
Analyst: BN
Percent Solids: 99%

Date Collected: 08/19/14 10:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	790	88.	1
1,1-Dichloroethane	ND		ug/kg	120	6.8	1
Chloroform	ND		ug/kg	120	29.	1
Carbon tetrachloride	ND		ug/kg	79	17.	1
1,2-Dichloropropane	ND		ug/kg	280	18.	1
Dibromochloromethane	ND		ug/kg	79	12.	1
1,1,2-Trichloroethane	ND		ug/kg	120	24.	1
Tetrachloroethene	ND		ug/kg	79	11.	1
Chlorobenzene	ND		ug/kg	79	28.	1
Trichlorofluoromethane	ND		ug/kg	400	31.	1
1,2-Dichloroethane	ND		ug/kg	79	9.0	1
1,1,1-Trichloroethane	ND		ug/kg	79	8.8	1
Bromodichloromethane	ND		ug/kg	79	14.	1
trans-1,3-Dichloropropene	ND		ug/kg	79	9.6	1
cis-1,3-Dichloropropene	ND		ug/kg	79	9.3	1
1,1-Dichloropropene	ND		ug/kg	400	11.	1
Bromoform	ND		ug/kg	320	19.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	79	8.0	1
Benzene	ND		ug/kg	79	9.4	1
Toluene	34	J	ug/kg	120	15.	1
Ethylbenzene	45	J	ug/kg	79	10.	1
Chloromethane	ND		ug/kg	400	23.	1
Bromomethane	ND		ug/kg	160	27.	1
Vinyl chloride	ND		ug/kg	160	9.3	1
Chloroethane	ND		ug/kg	160	25.	1
1,1-Dichloroethene	ND		ug/kg	79	21.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	ND		ug/kg	79	9.9	1
1,2-Dichlorobenzene	ND		ug/kg	400	12.	1
1,3-Dichlorobenzene	ND		ug/kg	400	11.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-09 Date Collected: 08/19/14 10:20

Client ID: SB-42_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	400	11.	1
Methyl tert butyl ether	ND		ug/kg	160	6.7	1
p/m-Xylene	99	J	ug/kg	160	16.	1
o-Xylene	ND		ug/kg	160	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	79	11.	1
Dibromomethane	ND		ug/kg	790	13.	1
Styrene	ND		ug/kg	160	32.	1
Dichlorodifluoromethane	ND		ug/kg	790	15.	1
Acetone	ND		ug/kg	790	82.	1
Carbon disulfide	ND		ug/kg	790	88.	1
2-Butanone	ND		ug/kg	790	22.	1
Vinyl acetate	ND		ug/kg	790	10.	1
4-Methyl-2-pentanone	ND		ug/kg	790	19.	1
1,2,3-Trichloropropane	ND		ug/kg	790	13.	1
2-Hexanone	ND		ug/kg	790	53.	1
Bromochloromethane	ND		ug/kg	400	22.	1
2,2-Dichloropropane	ND		ug/kg	400	18.	1
1,2-Dibromoethane	ND		ug/kg	320	14.	1
1,3-Dichloropropane	ND		ug/kg	400	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	79	25.	1
Bromobenzene	ND		ug/kg	400	16.	1
n-Butylbenzene	ND		ug/kg	79	9.1	1
sec-Butylbenzene	ND		ug/kg	79	9.7	1
tert-Butylbenzene	ND		ug/kg	400	11.	1
o-Chlorotoluene	ND		ug/kg	400	13.	1
p-Chlorotoluene	ND		ug/kg	400	10.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	31.	1
Hexachlorobutadiene	ND		ug/kg	400	18.	1
Isopropylbenzene	ND		ug/kg	79	8.2	1
p-Isopropyltoluene	ND		ug/kg	79	9.9	1
Naphthalene	310	J	ug/kg	400	11.	1
Acrylonitrile	ND		ug/kg	790	41.	1
n-Propylbenzene	31	J	ug/kg	79	8.7	1
1,2,3-Trichlorobenzene	ND		ug/kg	400	12.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	14.	1
1,3,5-Trimethylbenzene	ND		ug/kg	400	11.	1
1,2,4-Trimethylbenzene	ND		ug/kg	400	11.	1
Methyl Acetate	ND		ug/kg	1600	21.	1
Cyclohexane	ND		ug/kg	1600	12.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-09
Client ID: SB-42_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 10:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	7900	1100	1
Freon-113	ND		ug/kg	1600	22.	1
p-Diethylbenzene	ND		ug/kg	320	13.	1
p-Ethyltoluene	48	J	ug/kg	320	9.8	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	320	10.	1
Ethyl ether	ND		ug/kg	400	21.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	400	31.	1
Methyl cyclohexane	ND		ug/kg	320	12.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-10
Client ID: SB-42_6-8
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/14 09:20
Analyst: BN
Percent Solids: 90%

Date Collected: 08/19/14 10:25
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.18	1
Chlorobenzene	ND		ug/kg	1.2	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.49	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.18	1
Bromoform	ND		ug/kg	5.0	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.13	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	0.35	J	ug/kg	1.9	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.3	0.37	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.15	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.17	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-10 Date Collected: 08/19/14 10:25

Client ID: SB-42_6-8 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.11	1
p/m-Xylene	ND		ug/kg	2.5	0.25	1
o-Xylene	ND		ug/kg	2.5	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.50	1
Dichlorodifluoromethane	ND		ug/kg	12	0.24	1
Acetone	28		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	3.6	J	ug/kg	12	0.34	1
Vinyl acetate	ND		ug/kg	12	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.84	1
Bromochloromethane	ND		ug/kg	6.3	0.35	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.3	0.17	1
o-Chlorotoluene	ND		ug/kg	6.3	0.20	1
p-Chlorotoluene	ND		ug/kg	6.3	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	0.50	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.29	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.16	1
Naphthalene	ND		ug/kg	6.3	0.17	1
Acrylonitrile	ND		ug/kg	12	0.65	1
n-Propylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
Methyl Acetate	ND		ug/kg	25	0.34	1
Cyclohexane	ND		ug/kg	25	0.18	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-10
Client ID: SB-42_6-8
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 10:25
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	120	18.	1
Freon-113	ND		ug/kg	25	0.34	1
p-Diethylbenzene	ND		ug/kg	5.0	0.20	1
p-Ethyltoluene	ND		ug/kg	5.0	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.16	1
Ethyl ether	ND		ug/kg	6.3	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	0.49	1
Methyl cyclohexane	ND		ug/kg	5.0	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-11
Client ID: SB-43_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/14 09:56
Analyst: BN
Percent Solids: 76%

Date Collected: 08/19/14 09:45
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	1.7	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.13	1
Chloroform	ND		ug/kg	2.4	0.58	1
Carbon tetrachloride	ND		ug/kg	1.6	0.33	1
1,2-Dichloropropane	ND		ug/kg	5.5	0.36	1
Dibromochloromethane	ND		ug/kg	1.6	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.48	1
Tetrachloroethene	ND		ug/kg	1.6	0.22	1
Chlorobenzene	ND		ug/kg	1.6	0.55	1
Trichlorofluoromethane	ND		ug/kg	7.9	0.61	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.17	1
Bromodichloromethane	ND		ug/kg	1.6	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.9	0.22	1
Bromoform	ND		ug/kg	6.3	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.16	1
Benzene	ND		ug/kg	1.6	0.18	1
Toluene	0.43	J	ug/kg	2.4	0.31	1
Ethylbenzene	ND		ug/kg	1.6	0.20	1
Chloromethane	ND		ug/kg	7.9	0.46	1
Bromomethane	ND		ug/kg	3.1	0.53	1
Vinyl chloride	ND		ug/kg	3.1	0.18	1
Chloroethane	ND		ug/kg	3.1	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.33	1
Trichloroethene	ND		ug/kg	1.6	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	7.9	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	7.9	0.21	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-11 Date Collected: 08/19/14 09:45

Client ID: SB-43_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	7.9	0.22	1
Methyl tert butyl ether	ND		ug/kg	3.1	0.13	1
p/m-Xylene	ND		ug/kg	3.1	0.31	1
o-Xylene	ND		ug/kg	3.1	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	ND		ug/kg	3.1	0.63	1
Dichlorodifluoromethane	ND		ug/kg	16	0.30	1
Acetone	ND		ug/kg	16	1.6	1
Carbon disulfide	ND		ug/kg	16	1.7	1
2-Butanone	ND		ug/kg	16	0.43	1
Vinyl acetate	ND		ug/kg	16	0.21	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.38	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.26	1
2-Hexanone	ND		ug/kg	16	1.0	1
Bromochloromethane	ND		ug/kg	7.9	0.43	1
2,2-Dichloropropane	ND		ug/kg	7.9	0.36	1
1,2-Dibromoethane	ND		ug/kg	6.3	0.27	1
1,3-Dichloropropane	ND		ug/kg	7.9	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.50	1
Bromobenzene	ND		ug/kg	7.9	0.33	1
n-Butylbenzene	ND		ug/kg	1.6	0.18	1
sec-Butylbenzene	ND		ug/kg	1.6	0.19	1
tert-Butylbenzene	ND		ug/kg	7.9	0.21	1
o-Chlorotoluene	ND		ug/kg	7.9	0.25	1
p-Chlorotoluene	ND		ug/kg	7.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.9	0.62	1
Hexachlorobutadiene	ND		ug/kg	7.9	0.36	1
Isopropylbenzene	ND		ug/kg	1.6	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.20	1
Naphthalene	ND		ug/kg	7.9	0.22	1
Acrylonitrile	ND		ug/kg	16	0.81	1
n-Propylbenzene	ND		ug/kg	1.6	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.9	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.9	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.9	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.9	0.22	1
Methyl Acetate	ND		ug/kg	31	0.42	1
Cyclohexane	ND		ug/kg	31	0.23	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-11
Client ID: SB-43_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 09:45
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	160	23.	1
Freon-113	ND		ug/kg	31	0.43	1
p-Diethylbenzene	ND		ug/kg	6.3	0.25	1
p-Ethyltoluene	ND		ug/kg	6.3	0.20	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.3	0.20	1
Ethyl ether	ND		ug/kg	7.9	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.9	0.62	1
Methyl cyclohexane	ND		ug/kg	6.3	0.24	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-12
Client ID: SB-43_6-8
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 15:45
Analyst: BN
Percent Solids: 94%

Date Collected: 08/19/14 09:50
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.16	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.7	0.33	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-12 Date Collected: 08/19/14 09:50

Client ID: SB-43_6-8 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.22	1
o-Xylene	ND		ug/kg	2.3	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	4.2	J	ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.31	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.75	1
Bromochloromethane	ND		ug/kg	5.7	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.15	1
o-Chlorotoluene	ND		ug/kg	5.7	0.18	1
p-Chlorotoluene	ND		ug/kg	5.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.7	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
Methyl Acetate	ND		ug/kg	23	0.30	1
Cyclohexane	ND		ug/kg	23	0.16	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-12
Client ID: SB-43_6-8
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 09:50
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	16.	1
Freon-113	ND		ug/kg	23	0.31	1
p-Diethylbenzene	ND		ug/kg	4.5	0.18	1
p-Ethyltoluene	ND		ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.15	1
Ethyl ether	ND		ug/kg	5.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.44	1
Methyl cyclohexane	ND		ug/kg	4.5	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-13
Client ID: SB-44_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 15:26
Analyst: BN
Percent Solids: 90%

Date Collected: 08/19/14 13:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	680	75.	1
1,1-Dichloroethane	ND		ug/kg	100	5.8	1
Chloroform	ND		ug/kg	100	25.	1
Carbon tetrachloride	ND		ug/kg	68	14.	1
1,2-Dichloropropane	ND		ug/kg	240	15.	1
Dibromochloromethane	ND		ug/kg	68	10.	1
1,1,2-Trichloroethane	ND		ug/kg	100	21.	1
Tetrachloroethene	ND		ug/kg	68	9.5	1
Chlorobenzene	ND		ug/kg	68	24.	1
Trichlorofluoromethane	ND		ug/kg	340	26.	1
1,2-Dichloroethane	ND		ug/kg	68	7.7	1
1,1,1-Trichloroethane	ND		ug/kg	68	7.5	1
Bromodichloromethane	ND		ug/kg	68	12.	1
trans-1,3-Dichloropropene	ND		ug/kg	68	8.2	1
cis-1,3-Dichloropropene	ND		ug/kg	68	8.0	1
1,1-Dichloropropene	ND		ug/kg	340	9.6	1
Bromoform	ND		ug/kg	270	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	68	6.8	1
Benzene	ND		ug/kg	68	8.0	1
Toluene	ND		ug/kg	100	13.	1
Ethylbenzene	ND		ug/kg	68	8.6	1
Chloromethane	ND		ug/kg	340	20.	1
Bromomethane	ND		ug/kg	140	23.	1
Vinyl chloride	ND		ug/kg	140	8.0	1
Chloroethane	ND		ug/kg	140	21.	1
1,1-Dichloroethene	ND		ug/kg	68	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	14.	1
Trichloroethene	1100		ug/kg	68	8.5	1
1,2-Dichlorobenzene	ND		ug/kg	340	10.	1
1,3-Dichlorobenzene	ND		ug/kg	340	9.2	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-13 Date Collected: 08/19/14 13:20

Client ID: SB-44_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	340	9.4	1
Methyl tert butyl ether	ND		ug/kg	140	5.7	1
p/m-Xylene	ND		ug/kg	140	13.	1
o-Xylene	ND		ug/kg	140	12.	1
cis-1,2-Dichloroethene	ND		ug/kg	68	9.7	1
Dibromomethane	ND		ug/kg	680	11.	1
Styrene	ND		ug/kg	140	27.	1
Dichlorodifluoromethane	ND		ug/kg	680	13.	1
Acetone	ND		ug/kg	680	70.	1
Carbon disulfide	ND		ug/kg	680	75.	1
2-Butanone	ND		ug/kg	680	18.	1
Vinyl acetate	ND		ug/kg	680	9.0	1
4-Methyl-2-pentanone	ND		ug/kg	680	16.	1
1,2,3-Trichloropropane	ND		ug/kg	680	11.	1
2-Hexanone	ND		ug/kg	680	45.	1
Bromochloromethane	ND		ug/kg	340	19.	1
2,2-Dichloropropane	ND		ug/kg	340	15.	1
1,2-Dibromoethane	ND		ug/kg	270	12.	1
1,3-Dichloropropane	ND		ug/kg	340	9.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	68	22.	1
Bromobenzene	ND		ug/kg	340	14.	1
n-Butylbenzene	ND		ug/kg	68	7.8	1
sec-Butylbenzene	ND		ug/kg	68	8.3	1
tert-Butylbenzene	ND		ug/kg	340	9.2	1
o-Chlorotoluene	ND		ug/kg	340	11.	1
p-Chlorotoluene	ND		ug/kg	340	9.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	340	27.	1
Hexachlorobutadiene	ND		ug/kg	340	15.	1
Isopropylbenzene	ND		ug/kg	68	7.0	1
p-Isopropyltoluene	ND		ug/kg	68	8.5	1
Naphthalene	29	J	ug/kg	340	9.4	1
Acrylonitrile	ND		ug/kg	680	35.	1
n-Propylbenzene	ND		ug/kg	68	7.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	340	10.	1
1,2,4-Trichlorobenzene	ND		ug/kg	340	12.	1
1,3,5-Trimethylbenzene	ND		ug/kg	340	9.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	340	9.6	1
Methyl Acetate	ND		ug/kg	1400	18.	1
Cyclohexane	ND		ug/kg	1400	9.9	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-13
Client ID: SB-44_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	6800	980	1
Freon-113	ND		ug/kg	1400	18.	1
p-Diethylbenzene	ND		ug/kg	270	11.	1
p-Ethyltoluene	ND		ug/kg	270	8.4	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	270	8.8	1
Ethyl ether	ND		ug/kg	340	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	340	26.	1
Methyl cyclohexane	240	J	ug/kg	270	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-14
Client ID: SB-44_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 17:05
Analyst: BN
Percent Solids: 89%

Date Collected: 08/19/14 13:25
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	1.7	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.13	1
Chloroform	ND		ug/kg	2.3	0.56	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.3	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.46	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.53	1
Trichlorofluoromethane	ND		ug/kg	7.6	0.59	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.6	0.21	1
Bromoform	ND		ug/kg	6.0	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.15	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.3	0.29	1
Ethylbenzene	ND		ug/kg	1.5	0.19	1
Chloromethane	ND		ug/kg	7.6	0.44	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.18	1
Chloroethane	ND		ug/kg	3.0	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.32	1
Trichloroethene	5.5		ug/kg	1.5	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	7.6	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	7.6	0.20	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-14 Date Collected: 08/19/14 13:25

Client ID: SB-44_3-5 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	7.6	0.21	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.13	1
p/m-Xylene	ND		ug/kg	3.0	0.30	1
o-Xylene	ND		ug/kg	3.0	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.25	1
Styrene	ND		ug/kg	3.0	0.61	1
Dichlorodifluoromethane	ND		ug/kg	15	0.29	1
Acetone	6.6	J	ug/kg	15	1.6	1
Carbon disulfide	ND		ug/kg	15	1.7	1
2-Butanone	ND		ug/kg	15	0.41	1
Vinyl acetate	ND		ug/kg	15	0.20	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.25	1
2-Hexanone	ND		ug/kg	15	1.0	1
Bromochloromethane	ND		ug/kg	7.6	0.42	1
2,2-Dichloropropane	ND		ug/kg	7.6	0.34	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.6	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.17	1
sec-Butylbenzene	ND		ug/kg	1.5	0.18	1
tert-Butylbenzene	ND		ug/kg	7.6	0.20	1
o-Chlorotoluene	ND		ug/kg	7.6	0.24	1
p-Chlorotoluene	ND		ug/kg	7.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.6	0.60	1
Hexachlorobutadiene	ND		ug/kg	7.6	0.34	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.19	1
Naphthalene	0.47	J	ug/kg	7.6	0.21	1
Acrylonitrile	ND		ug/kg	15	0.78	1
n-Propylbenzene	ND		ug/kg	1.5	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.6	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.6	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.6	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.6	0.21	1
Methyl Acetate	ND		ug/kg	30	0.41	1
Cyclohexane	ND		ug/kg	30	0.22	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-14
Client ID: SB-44_3-5
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:25
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	150	22.	1
Freon-113	ND		ug/kg	30	0.41	1
p-Diethylbenzene	ND		ug/kg	6.0	0.24	1
p-Ethyltoluene	ND		ug/kg	6.0	0.19	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.0	0.20	1
Ethyl ether	ND		ug/kg	7.6	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.6	0.59	1
Methyl cyclohexane	ND		ug/kg	6.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-15
Client ID: SB-45_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 17:32
Analyst: BN
Percent Solids: 91%

Date Collected: 08/19/14 13:35
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.18	1
Bromoform	ND		ug/kg	5.0	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.2	0.36	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.15	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.17	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-15 Date Collected: 08/19/14 13:35

Client ID: SB-45_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.10	1
p/m-Xylene	ND		ug/kg	2.5	0.25	1
o-Xylene	ND		ug/kg	2.5	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.50	1
Dichlorodifluoromethane	ND		ug/kg	12	0.24	1
Acetone	3.2	J	ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.34	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.83	1
Bromochloromethane	ND		ug/kg	6.2	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.2	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.2	0.17	1
o-Chlorotoluene	ND		ug/kg	6.2	0.20	1
p-Chlorotoluene	ND		ug/kg	6.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.16	1
Naphthalene	0.45	J	ug/kg	6.2	0.17	1
Acrylonitrile	ND		ug/kg	12	0.64	1
n-Propylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.18	1
Methyl Acetate	ND		ug/kg	25	0.34	1
Cyclohexane	ND		ug/kg	25	0.18	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-15
Client ID: SB-45_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:35
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	120	18.	1
Freon-113	ND		ug/kg	25	0.34	1
p-Diethylbenzene	ND		ug/kg	5.0	0.20	1
p-Ethyltoluene	ND		ug/kg	5.0	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.16	1
Ethyl ether	ND		ug/kg	6.2	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.49	1
Methyl cyclohexane	ND		ug/kg	5.0	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-16
Client ID: SB-45_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 17:58
Analyst: BN
Percent Solids: 82%

Date Collected: 08/19/14 13:40
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.17	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.0	0.35	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.16	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-16 Date Collected: 08/19/14 13:40

Client ID: SB-45_3-5 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	7.7	J	ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.80	1
Bromochloromethane	ND		ug/kg	6.0	0.33	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.0	0.16	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.48	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.0	0.17	1
Acrylonitrile	ND		ug/kg	12	0.62	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
Methyl Acetate	ND		ug/kg	24	0.32	1
Cyclohexane	ND		ug/kg	24	0.18	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-16
Client ID: SB-45_3-5
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:40
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	120	17.	1
Freon-113	ND		ug/kg	24	0.33	1
p-Diethylbenzene	ND		ug/kg	4.8	0.19	1
p-Ethyltoluene	ND		ug/kg	4.8	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.47	1
Methyl cyclohexane	ND		ug/kg	4.8	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-17
Client ID: F_SODUP01_5-7
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/14 18:25
Analyst: BN
Percent Solids: 87%

Date Collected: 08/19/14 00:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.17	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.1	0.36	1
Bromomethane	ND		ug/kg	2.4	0.42	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.17	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-17 Date Collected: 08/19/14 00:00

Client ID: F_SODUP01_5-7 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	36		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	6.7	J	ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.82	1
Bromochloromethane	ND		ug/kg	6.1	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.1	0.17	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.63	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
Methyl Acetate	ND		ug/kg	24	0.33	1
Cyclohexane	ND		ug/kg	24	0.18	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-17 Date Collected: 08/19/14 00:00

Client ID: F_SODUP01_5-7 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	120	18.	1
Freon-113	ND		ug/kg	24	0.34	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1
Methyl cyclohexane	ND		ug/kg	4.9	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-18
Client ID: F_SOFB01_081914
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/22/14 17:26
Analyst: PD

Date Collected: 08/19/14 15:45
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-18 Date Collected: 08/19/14 15:45

Client ID: F_SOFB01_081914 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-18
Client ID: F_SOFB01_081914
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 15:45
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-19
Client ID: F_SOTB01_081914
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/22/14 18:00
Analyst: PD

Date Collected: 08/19/14 00:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-19 Date Collected: 08/19/14 00:00

Client ID: F_SOTB01_081914 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-19 Date Collected: 08/19/14 00:00

Client ID: F_SOTB01_081914 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 09:15
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,05,09,13 Batch: WG716103-6					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	7.7
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	ND		ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	ND		ug/kg	250	15.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.
Trichloroethene	ND		ug/kg	50	6.2
1,2-Dichlorobenzene	ND		ug/kg	250	7.7

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 09:15
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,05,09,13 Batch: WG716103-6					
1,3-Dichlorobenzene	ND		ug/kg	250	6.8
1,4-Dichlorobenzene	ND		ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	9.9
o-Xylene	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	ND		ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	6.6
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 09:15
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,05,09,13 Batch: WG716103-6					
Isopropylbenzene	ND		ug/kg	50	5.2
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
Methyl Acetate	ND		ug/kg	1000	14.
Cyclohexane	ND		ug/kg	1000	7.3
1,4-Dioxane	ND		ug/kg	5000	720
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.
Methyl cyclohexane	ND		ug/kg	200	7.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 12:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18-19 Batch: WG716297-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 12:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18-19 Batch: WG716297-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 12:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18-19 Batch: WG716297-3					
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 12:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18-19 Batch: WG716297-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 08:41
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-08,12,14-17 Batch: WG716585-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.93	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 08:41
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-08,12,14-17 Batch: WG716585-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 08:41
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-08,12,14-17 Batch: WG716585-3					
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 08:58
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG716590-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.24	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 08:58
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG716590-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 08:58
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG716590-3					
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/14 09:06
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG716805-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.38	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/14 09:06
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG716805-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/14 09:06
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG716805-3					
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10 Batch: WG716917-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.63	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10 Batch: WG716917-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	1.1	J	ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10 Batch: WG716917-3					
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,05,09,13 Batch: WG716103-4 WG716103-5								
Methylene chloride	99		96		70-130	3		30
1,1-Dichloroethane	100		96		70-130	4		30
Chloroform	105		104		70-130	1		30
Carbon tetrachloride	114		108		70-130	5		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	106		104		70-130	2		30
1,1,2-Trichloroethane	98		98		70-130	0		30
Tetrachloroethene	107		101		70-130	6		30
Chlorobenzene	102		101		70-130	1		30
Trichlorofluoromethane	138		127		70-139	8		30
1,2-Dichloroethane	107		105		70-130	2		30
1,1,1-Trichloroethane	110		105		70-130	5		30
Bromodichloromethane	108		107		70-130	1		30
trans-1,3-Dichloropropene	102		102		70-130	0		30
cis-1,3-Dichloropropene	102		100		70-130	2		30
1,1-Dichloropropene	100		96		70-130	4		30
Bromoform	103		104		70-130	1		30
1,1,2,2-Tetrachloroethane	89		86		70-130	3		30
Benzene	97		94		70-130	3		30
Toluene	91		87		70-130	4		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,05,09,13 Batch: WG716103-4 WG716103-5								
Chloromethane	100		95		52-130	5		30
Bromomethane	**178**	Q	**171**	Q	57-147	4		30
Vinyl chloride	**132**	Q	117		67-130	12		30
Chloroethane	**162**	Q	143		50-151	12		30
1,1-Dichloroethene	100		94		65-135	6		30
trans-1,2-Dichloroethene	101		98		70-130	3		30
Trichloroethene	103		100		70-130	3		30
1,2-Dichlorobenzene	105		103		70-130	2		30
1,3-Dichlorobenzene	104		104		70-130	0		30
1,4-Dichlorobenzene	107		104		70-130	3		30
Methyl tert butyl ether	104		102		66-130	2		30
p/m-Xylene	101		96		70-130	5		30
o-Xylene	102		100		70-130	2		30
cis-1,2-Dichloroethene	102		102		70-130	0		30
Dibromomethane	104		103		70-130	1		30
Styrene	105		102		70-130	3		30
Dichlorodifluoromethane	122		111		30-146	9		30
Acetone	83		78		54-140	6		30
Carbon disulfide	90		84		59-130	7		30
2-Butanone	80		77		70-130	4		30
Vinyl acetate	90		88		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,05,09,13 Batch: WG716103-4 WG716103-5								
4-Methyl-2-pentanone	89		87		70-130	2		30
1,2,3-Trichloropropane	93		91		68-130	2		30
2-Hexanone	75		73		70-130	3		30
Bromochloromethane	115		116		70-130	1		30
2,2-Dichloropropane	113		108		70-130	5		30
1,2-Dibromoethane	101		100		70-130	1		30
1,3-Dichloropropane	95		96		69-130	1		30
1,1,1,2-Tetrachloroethane	108		106		70-130	2		30
Bromobenzene	106		104		70-130	2		30
n-Butylbenzene	99		93		70-130	6		30
sec-Butylbenzene	99		94		70-130	5		30
tert-Butylbenzene	102		98		70-130	4		30
o-Chlorotoluene	105		100		70-130	5		30
p-Chlorotoluene	102		100		70-130	2		30
1,2-Dibromo-3-chloropropane	96		89		68-130	8		30
Hexachlorobutadiene	113		108		67-130	5		30
Isopropylbenzene	99		95		70-130	4		30
p-Isopropyltoluene	103		99		70-130	4		30
Naphthalene	97		93		70-130	4		30
Acrylonitrile	88		85		70-130	3		30
Isopropyl Ether	95		93		66-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,05,09,13 Batch: WG716103-4 WG716103-5								
tert-Butyl Alcohol	84		80		70-130	5		30
n-Propylbenzene	97		92		70-130	5		30
1,2,3-Trichlorobenzene	109		106		70-130	3		30
1,2,4-Trichlorobenzene	111		107		70-130	4		30
1,3,5-Trimethylbenzene	104		101		70-130	3		30
1,2,4-Trimethylbenzene	103		100		70-130	3		30
Methyl Acetate	82		78		51-146	5		30
Ethyl Acetate	83		80		70-130	4		30
Acrolein	90		86		70-130	5		30
Cyclohexane	99		91		59-142	8		30
1,4-Dioxane	95		92		65-136	3		30
Freon-113	116		109		50-139	6		30
p-Diethylbenzene	98		93		70-130	5		30
p-Ethyltoluene	94		91		70-130	3		30
1,2,4,5-Tetramethylbenzene	101		96		70-130	5		30
Tetrahydrofuran	78		77		66-130	1		30
Ethyl ether	104		108		67-130	4		30
trans-1,4-Dichloro-2-butene	88		87		70-130	1		30
Methyl cyclohexane	98		91		70-130	7		30
Ethyl-Tert-Butyl-Ether	103		102		70-130	1		30
Tertiary-Amyl Methyl Ether	104		102		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab	Associated sample(s):	01-02,05,09,13	Batch:	WG716103-4	WG716103-5			

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	99		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18-19 Batch: WG716297-1 WG716297-2								
Methylene chloride	103		100		70-130	3		20
1,1-Dichloroethane	108		104		70-130	4		20
Chloroform	104		101		70-130	3		20
2-Chloroethylvinyl ether	82		90		70-130	9		20
Carbon tetrachloride	104		100		63-132	4		20
1,2-Dichloropropane	108		105		70-130	3		20
Dibromochloromethane	100		95		63-130	5		20
1,1,2-Trichloroethane	114		110		70-130	4		20
Tetrachloroethene	102		98		70-130	4		20
Chlorobenzene	108		105		75-130	3		20
Trichlorofluoromethane	105		103		62-150	2		20
1,2-Dichloroethane	104		99		70-130	5		20
1,1,1-Trichloroethane	106		103		67-130	3		20
Bromodichloromethane	102		99		67-130	3		20
trans-1,3-Dichloropropene	114		110		70-130	4		20
cis-1,3-Dichloropropene	110		107		70-130	3		20
1,1-Dichloropropene	109		105		70-130	4		20
Bromoform	103		98		54-136	5		20
1,1,2,2-Tetrachloroethane	123		119		67-130	3		20
Benzene	109		106		70-130	3		20
Toluene	113		107		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18-19 Batch: WG716297-1 WG716297-2								
Ethylbenzene	118		113		70-130	4		20
Chloromethane	**200**	Q	**178**	Q	64-130	12		20
Bromomethane	**221**	Q	**210**	Q	39-139	5		20
Vinyl chloride	131		125		55-140	5		20
Chloroethane	115		111		55-138	4		20
1,1-Dichloroethene	110		107		61-145	3		20
trans-1,2-Dichloroethene	104		100		70-130	4		20
Trichloroethene	105		102		70-130	3		20
1,2-Dichlorobenzene	110		107		70-130	3		20
1,3-Dichlorobenzene	109		105		70-130	4		20
1,4-Dichlorobenzene	109		105		70-130	4		20
Methyl tert butyl ether	112		110		63-130	2		20
p/m-Xylene	115		111		70-130	4		20
o-Xylene	116		112		70-130	4		20
cis-1,2-Dichloroethene	104		99		70-130	5		20
Dibromomethane	103		103		70-130	0		20
1,2,3-Trichloropropane	119		116		64-130	3		20
Acrylonitrile	103		104		70-130	1		20
Diisopropyl Ether	110		106		70-130	4		20
Tert-Butyl Alcohol	96		90		70-130	6		20
Styrene	121		118		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18-19 Batch: WG716297-1 WG716297-2								
Dichlorodifluoromethane	133		132		36-147	1		20
Acetone	120		118		58-148	2		20
Carbon disulfide	107		104		51-130	3		20
2-Butanone	137		133		63-138	3		20
Vinyl acetate	108		104		70-130	4		20
4-Methyl-2-pentanone	112		108		59-130	4		20
2-Hexanone	114		111		57-130	3		20
Acrolein	106		104		40-160	2		20
Bromochloromethane	106		105		70-130	1		20
2,2-Dichloropropane	105		99		63-133	6		20
1,2-Dibromoethane	110		107		70-130	3		20
1,3-Dichloropropane	112		109		70-130	3		20
1,1,1,2-Tetrachloroethane	109		105		64-130	4		20
Bromobenzene	108		105		70-130	3		20
n-Butylbenzene	114		108		53-136	5		20
sec-Butylbenzene	122		116		70-130	5		20
tert-Butylbenzene	118		112		70-130	5		20
o-Chlorotoluene	119		115		70-130	3		20
p-Chlorotoluene	118		115		70-130	3		20
1,2-Dibromo-3-chloropropane	117		109		41-144	7		20
Hexachlorobutadiene	97		92		63-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18-19 Batch: WG716297-1 WG716297-2								
Isopropylbenzene	114		110		70-130	4		20
p-Isopropyltoluene	114		110		70-130	4		20
Naphthalene	110		106		70-130	4		20
n-Propylbenzene	125		120		69-130	4		20
1,2,3-Trichlorobenzene	102		98		70-130	4		20
1,2,4-Trichlorobenzene	98		94		70-130	4		20
1,3,5-Trimethylbenzene	119		114		64-130	4		20
1,2,4-Trimethylbenzene	114		109		70-130	4		20
Methyl Acetate	106		98		70-130	8		20
Ethyl Acetate	111		107		70-130	4		20
Cyclohexane	116		112		70-130	4		20
Ethyl-Tert-Butyl-Ether	118		113		70-130	4		20
Tertiary-Amyl Methyl Ether	114		112		66-130	2		20
1,4-Dioxane	104		99		56-162	5		20
Freon-113	109		105		70-130	4		20
p-Diethylbenzene	117		112		70-130	4		20
p-Ethyltoluene	121		116		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		106		70-130	5		20
Ethyl ether	109		106		59-134	3		20
trans-1,4-Dichloro-2-butene	112		108		70-130	4		20
Iodomethane	**176**	Q	**182**	Q	70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18-19 Batch: WG716297-1 WG716297-2								
Methyl cyclohexane	111		107		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	110		110		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08,12,14-17 Batch: WG716585-1 WG716585-2								
Methylene chloride	102		100		70-130	2		30
1,1-Dichloroethane	104		99		70-130	5		30
Chloroform	106		102		70-130	4		30
Carbon tetrachloride	109		101		70-130	8		30
1,2-Dichloropropane	101		97		70-130	4		30
Dibromochloromethane	97		96		70-130	1		30
2-Chloroethylvinyl ether	98		98		70-130	0		30
1,1,2-Trichloroethane	99		100		70-130	1		30
Tetrachloroethene	110		103		70-130	7		30
Chlorobenzene	106		103		70-130	3		30
Trichlorofluoromethane	129		117		70-139	10		30
1,2-Dichloroethane	103		102		70-130	1		30
1,1,1-Trichloroethane	108		102		70-130	6		30
Bromodichloromethane	100		99		70-130	1		30
trans-1,3-Dichloropropene	95		94		70-130	1		30
cis-1,3-Dichloropropene	100		100		70-130	0		30
1,1-Dichloropropene	107		101		70-130	6		30
Bromoform	88		88		70-130	0		30
1,1,2,2-Tetrachloroethane	94		94		70-130	0		30
Benzene	103		99		70-130	4		30
Toluene	98		93		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08,12,14-17 Batch: WG716585-1 WG716585-2								
Ethylbenzene	104		99		70-130	5		30
Chloromethane	98		92		52-130	6		30
Bromomethane	126		119		57-147	6		30
Vinyl chloride	109		99		67-130	10		30
Chloroethane	114		107		50-151	6		30
1,1-Dichloroethene	113		105		65-135	7		30
trans-1,2-Dichloroethene	111		105		70-130	6		30
Trichloroethene	111		104		70-130	7		30
1,2-Dichlorobenzene	102		100		70-130	2		30
1,3-Dichlorobenzene	104		101		70-130	3		30
1,4-Dichlorobenzene	103		102		70-130	1		30
Methyl tert butyl ether	99		99		66-130	0		30
p/m-Xylene	107		103		70-130	4		30
o-Xylene	107		104		70-130	3		30
cis-1,2-Dichloroethene	109		105		70-130	4		30
Dibromomethane	105		104		70-130	1		30
Styrene	106		104		70-130	2		30
Dichlorodifluoromethane	108		98		30-146	10		30
Acetone	95		96		54-140	1		30
Carbon disulfide	99		94		59-130	5		30
2-Butanone	86		86		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08,12,14-17 Batch: WG716585-1 WG716585-2								
Vinyl acetate	98		98		70-130	0		30
4-Methyl-2-pentanone	91		90		70-130	1		30
1,2,3-Trichloropropane	95		96		68-130	1		30
2-Hexanone	76		77		70-130	1		30
Bromochloromethane	112		110		70-130	2		30
2,2-Dichloropropane	106		101		70-130	5		30
1,2-Dibromoethane	100		100		70-130	0		30
1,3-Dichloropropane	100		98		69-130	2		30
1,1,1,2-Tetrachloroethane	100		97		70-130	3		30
Bromobenzene	104		101		70-130	3		30
n-Butylbenzene	105		100		70-130	5		30
sec-Butylbenzene	104		99		70-130	5		30
tert-Butylbenzene	104		98		70-130	6		30
o-Chlorotoluene	102		97		70-130	5		30
p-Chlorotoluene	100		97		70-130	3		30
1,2-Dibromo-3-chloropropane	82		87		68-130	6		30
Hexachlorobutadiene	102		97		67-130	5		30
Isopropylbenzene	102		96		70-130	6		30
p-Isopropyltoluene	105		100		70-130	5		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	92		92		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08,12,14-17 Batch: WG716585-1 WG716585-2								
Isopropyl Ether	95		94		66-130	1		30
tert-Butyl Alcohol	84		91		70-130	8		30
n-Propylbenzene	104		98		70-130	6		30
1,2,3-Trichlorobenzene	101		101		70-130	0		30
1,2,4-Trichlorobenzene	103		103		70-130	0		30
1,3,5-Trimethylbenzene	102		98		70-130	4		30
1,2,4-Trimethylbenzene	101		98		70-130	3		30
Methyl Acetate	94		96		51-146	2		30
Ethyl Acetate	89		90		70-130	1		30
Acrolein	90		92		70-130	2		30
Cyclohexane	100		92		59-142	8		30
1,4-Dioxane	94		104		65-136	10		30
Freon-113	113		103		50-139	9		30
p-Diethylbenzene	104		100		70-130	4		30
p-Ethyltoluene	104		98		70-130	6		30
1,2,4,5-Tetramethylbenzene	102		100		70-130	2		30
Tetrahydrofuran	89		88		66-130	1		30
Ethyl ether	106		103		67-130	3		30
trans-1,4-Dichloro-2-butene	84		83		70-130	1		30
Methyl cyclohexane	108		100		70-130	8		30
Ethyl-Tert-Butyl-Ether	97		96		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab	Associated sample(s):		06-08,12,14-17		Batch:	WG716585-1	WG716585-2	
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	104		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG716590-1 WG716590-2								
Methylene chloride	99		97		70-130	2		30
1,1-Dichloroethane	106		101		70-130	5		30
Chloroform	104		101		70-130	3		30
Carbon tetrachloride	100		95		70-130	5		30
1,2-Dichloropropane	105		102		70-130	3		30
Dibromochloromethane	97		96		70-130	1		30
2-Chloroethylvinyl ether	96		94		70-130	2		30
1,1,2-Trichloroethane	107		104		70-130	3		30
Tetrachloroethene	99		92		70-130	7		30
Chlorobenzene	103		99		70-130	4		30
Trichlorofluoromethane	97		89		70-139	9		30
1,2-Dichloroethane	113		112		70-130	1		30
1,1,1-Trichloroethane	104		99		70-130	5		30
Bromodichloromethane	100		100		70-130	0		30
trans-1,3-Dichloropropene	104		102		70-130	2		30
cis-1,3-Dichloropropene	101		98		70-130	3		30
1,1-Dichloropropene	107		101		70-130	6		30
Bromoform	95		94		70-130	1		30
1,1,2,2-Tetrachloroethane	105		104		70-130	1		30
Benzene	104		100		70-130	4		30
Toluene	100		96		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG716590-1 WG716590-2								
Ethylbenzene	108		103		70-130	5		30
Chloromethane	100		94		52-130	6		30
Bromomethane	133		126		57-147	5		30
Vinyl chloride	117		109		67-130	7		30
Chloroethane	141		134		50-151	5		30
1,1-Dichloroethene	97		91		65-135	6		30
trans-1,2-Dichloroethene	98		94		70-130	4		30
Trichloroethene	104		98		70-130	6		30
1,2-Dichlorobenzene	102		100		70-130	2		30
1,3-Dichlorobenzene	107		103		70-130	4		30
1,4-Dichlorobenzene	106		103		70-130	3		30
Methyl tert butyl ether	98		98		66-130	0		30
p/m-Xylene	108		103		70-130	5		30
o-Xylene	106		101		70-130	5		30
cis-1,2-Dichloroethene	99		97		70-130	2		30
Dibromomethane	101		101		70-130	0		30
Styrene	111		107		70-130	4		30
Dichlorodifluoromethane	91		84		30-146	8		30
Acetone	102		101		54-140	1		30
Carbon disulfide	90		84		59-130	7		30
2-Butanone	100		99		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG716590-1 WG716590-2								
Vinyl acetate	111		108		70-130	3		30
4-Methyl-2-pentanone	91		88		70-130	3		30
1,2,3-Trichloropropane	112		109		68-130	3		30
2-Hexanone	92		88		70-130	4		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	102		94		70-130	8		30
1,2-Dibromoethane	101		99		70-130	2		30
1,3-Dichloropropane	108		105		69-130	3		30
1,1,1,2-Tetrachloroethane	102		98		70-130	4		30
Bromobenzene	97		93		70-130	4		30
n-Butylbenzene	123		116		70-130	6		30
sec-Butylbenzene	112		105		70-130	6		30
tert-Butylbenzene	103		97		70-130	6		30
o-Chlorotoluene	110		106		70-130	4		30
p-Chlorotoluene	112		107		70-130	5		30
1,2-Dibromo-3-chloropropane	81		81		68-130	0		30
Hexachlorobutadiene	99		92		67-130	7		30
Isopropylbenzene	108		102		70-130	6		30
p-Isopropyltoluene	110		103		70-130	7		30
Naphthalene	98		96		70-130	2		30
Acrylonitrile	105		102		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG716590-1 WG716590-2								
Isopropyl Ether	109		106		66-130	3		30
tert-Butyl Alcohol	85		80		70-130	6		30
n-Propylbenzene	114		107		70-130	6		30
1,2,3-Trichlorobenzene	102		99		70-130	3		30
1,2,4-Trichlorobenzene	108		104		70-130	4		30
1,3,5-Trimethylbenzene	109		103		70-130	6		30
1,2,4-Trimethylbenzene	108		103		70-130	5		30
Methyl Acetate	106		104		51-146	2		30
Ethyl Acetate	104		103		70-130	1		30
Acrolein	**148**	Q	**143**	Q	70-130	3		30
Cyclohexane	103		94		59-142	9		30
1,4-Dioxane	94		95		65-136	1		30
Freon-113	99		91		50-139	8		30
p-Diethylbenzene	110		105		70-130	5		30
p-Ethyltoluene	112		107		70-130	5		30
1,2,4,5-Tetramethylbenzene	107		103		70-130	4		30
Tetrahydrofuran	105		104		66-130	1		30
Ethyl ether	100		98		67-130	2		30
trans-1,4-Dichloro-2-butene	110		108		70-130	2		30
Methyl cyclohexane	96		89		70-130	8		30
Ethyl-Tert-Butyl-Ether	103		100		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG716590-1 WG716590-2								
Tertiary-Amyl Methyl Ether	96		95		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		110		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG716805-1 WG716805-2								
Methylene chloride	100		108		70-130	8		30
1,1-Dichloroethane	109		121		70-130	10		30
Chloroform	107		117		70-130	9		30
Carbon tetrachloride	106		124		70-130	16		30
1,2-Dichloropropane	108		116		70-130	7		30
Dibromochloromethane	99		104		70-130	5		30
2-Chloroethylvinyl ether	98		100		70-130	2		30
1,1,2-Trichloroethane	109		113		70-130	4		30
Tetrachloroethene	101		113		70-130	11		30
Chlorobenzene	104		113		70-130	8		30
Trichlorofluoromethane	104		123		70-139	17		30
1,2-Dichloroethane	116		122		70-130	5		30
1,1,1-Trichloroethane	108		123		70-130	13		30
Bromodichloromethane	103		110		70-130	7		30
trans-1,3-Dichloropropene	109		114		70-130	4		30
cis-1,3-Dichloropropene	104		110		70-130	6		30
1,1-Dichloropropene	111		128		70-130	14		30
Bromoform	95		100		70-130	5		30
1,1,2,2-Tetrachloroethane	108		112		70-130	4		30
Benzene	107		118		70-130	10		30
Toluene	104		114		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG716805-1 WG716805-2								
Ethylbenzene	112		123		70-130	9		30
Chloromethane	105		118		52-130	12		30
Bromomethane	141		147		57-147	4		30
Vinyl chloride	124		**144**	Q	67-130	15		30
Chloroethane	**154**	Q	**170**	Q	50-151	10		30
1,1-Dichloroethene	101		117		65-135	15		30
trans-1,2-Dichloroethene	100		114		70-130	13		30
Trichloroethene	106		119		70-130	12		30
1,2-Dichlorobenzene	103		109		70-130	6		30
1,3-Dichlorobenzene	107		114		70-130	6		30
1,4-Dichlorobenzene	106		114		70-130	7		30
Methyl tert butyl ether	101		105		66-130	4		30
p/m-Xylene	111		122		70-130	9		30
o-Xylene	108		117		70-130	8		30
cis-1,2-Dichloroethene	101		111		70-130	9		30
Dibromomethane	102		108		70-130	6		30
Styrene	112		121		70-130	8		30
Dichlorodifluoromethane	98		116		30-146	17		30
Acetone	119		124		54-140	4		30
Carbon disulfide	95		114		59-130	18		30
2-Butanone	110		114		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG716805-1 WG716805-2								
Vinyl acetate	115		120		70-130	4		30
4-Methyl-2-pentanone	94		98		70-130	4		30
1,2,3-Trichloropropane	115		119		68-130	3		30
2-Hexanone	95		99		70-130	4		30
Bromochloromethane	100		105		70-130	5		30
2,2-Dichloropropane	106		120		70-130	12		30
1,2-Dibromoethane	102		106		70-130	4		30
1,3-Dichloropropane	111		115		69-130	4		30
1,1,1,2-Tetrachloroethane	103		110		70-130	7		30
Bromobenzene	96		102		70-130	6		30
n-Butylbenzene	126		**143**	Q	70-130	13		30
sec-Butylbenzene	115		130		70-130	12		30
tert-Butylbenzene	105		117		70-130	11		30
o-Chlorotoluene	114		124		70-130	8		30
p-Chlorotoluene	114		123		70-130	8		30
1,2-Dibromo-3-chloropropane	83		87		68-130	5		30
Hexachlorobutadiene	99		111		67-130	11		30
Isopropylbenzene	110		123		70-130	11		30
p-Isopropyltoluene	112		126		70-130	12		30
Naphthalene	99		104		70-130	5		30
Acrylonitrile	107		113		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG716805-1 WG716805-2								
Isopropyl Ether	112		118		66-130	5		30
tert-Butyl Alcohol	88		95		70-130	8		30
n-Propylbenzene	117		**131**	Q	70-130	11		30
1,2,3-Trichlorobenzene	100		106		70-130	6		30
1,2,4-Trichlorobenzene	106		113		70-130	6		30
1,3,5-Trimethylbenzene	111		122		70-130	9		30
1,2,4-Trimethylbenzene	110		119		70-130	8		30
Methyl Acetate	111		116		51-146	4		30
Ethyl Acetate	108		114		70-130	5		30
Acrolein	**152**	Q	**155**	Q	70-130	2		30
Cyclohexane	111		131		59-142	17		30
1,4-Dioxane	93		97		65-136	4		30
Freon-113	104		123		50-139	17		30
p-Diethylbenzene	112		126		70-130	12		30
p-Ethyltoluene	114		127		70-130	11		30
1,2,4,5-Tetramethylbenzene	108		118		70-130	9		30
Tetrahydrofuran	107		112		66-130	5		30
Ethyl ether	101		105		67-130	4		30
trans-1,4-Dichloro-2-butene	115		120		70-130	4		30
Methyl cyclohexane	102		123		70-130	19		30
Ethyl-Tert-Butyl-Ether	106		111		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG716805-1 WG716805-2								
Tertiary-Amyl Methyl Ether	100		105		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10 Batch: WG716917-1 WG716917-2								
Methylene chloride	100		104		70-130	4		30
1,1-Dichloroethane	109		116		70-130	6		30
Chloroform	106		112		70-130	6		30
Carbon tetrachloride	101		117		70-130	15		30
1,2-Dichloropropane	106		113		70-130	6		30
Dibromochloromethane	92		97		70-130	5		30
2-Chloroethylvinyl ether	95		98		70-130	3		30
1,1,2-Trichloroethane	107		109		70-130	2		30
Tetrachloroethene	95		104		70-130	9		30
Chlorobenzene	101		106		70-130	5		30
Trichlorofluoromethane	103		117		70-139	13		30
1,2-Dichloroethane	117		120		70-130	3		30
1,1,1-Trichloroethane	106		118		70-130	11		30
Bromodichloromethane	99		106		70-130	7		30
trans-1,3-Dichloropropene	104		109		70-130	5		30
cis-1,3-Dichloropropene	99		106		70-130	7		30
1,1-Dichloropropene	110		124		70-130	12		30
Bromoform	87		95		70-130	9		30
1,1,2,2-Tetrachloroethane	107		112		70-130	5		30
Benzene	107		114		70-130	6		30
Toluene	102		108		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10 Batch: WG716917-1 WG716917-2								
Ethylbenzene	110		117		70-130	6		30
Chloromethane	110		115		52-130	4		30
Bromomethane	143		145		57-147	1		30
Vinyl chloride	**131**	Q	**143**	Q	67-130	9		30
Chloroethane	**155**	Q	**168**	Q	50-151	8		30
1,1-Dichloroethene	98		111		65-135	12		30
trans-1,2-Dichloroethene	100		109		70-130	9		30
Trichloroethene	104		113		70-130	8		30
1,2-Dichlorobenzene	101		103		70-130	2		30
1,3-Dichlorobenzene	104		108		70-130	4		30
1,4-Dichlorobenzene	103		106		70-130	3		30
Methyl tert butyl ether	100		102		66-130	2		30
p/m-Xylene	108		114		70-130	5		30
o-Xylene	104		110		70-130	6		30
cis-1,2-Dichloroethene	100		106		70-130	6		30
Dibromomethane	99		104		70-130	5		30
Styrene	109		113		70-130	4		30
Dichlorodifluoromethane	98		111		30-146	12		30
Acetone	125		122		54-140	2		30
Carbon disulfide	90		104		59-130	14		30
2-Butanone	112		116		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10 Batch: WG716917-1 WG716917-2								
Vinyl acetate	115		119		70-130	3		30
4-Methyl-2-pentanone	90		96		70-130	6		30
1,2,3-Trichloropropane	116		116		68-130	0		30
2-Hexanone	99		98		70-130	1		30
Bromochloromethane	98		101		70-130	3		30
2,2-Dichloropropane	104		114		70-130	9		30
1,2-Dibromoethane	98		101		70-130	3		30
1,3-Dichloropropane	109		112		69-130	3		30
1,1,1,2-Tetrachloroethane	97		103		70-130	6		30
Bromobenzene	93		95		70-130	2		30
n-Butylbenzene	127		**137**	Q	70-130	8		30
sec-Butylbenzene	112		123		70-130	9		30
tert-Butylbenzene	101		110		70-130	9		30
o-Chlorotoluene	112		118		70-130	5		30
p-Chlorotoluene	113		118		70-130	4		30
1,2-Dibromo-3-chloropropane	76		82		68-130	8		30
Hexachlorobutadiene	94		104		67-130	10		30
Isopropylbenzene	107		116		70-130	8		30
p-Isopropyltoluene	109		118		70-130	8		30
Naphthalene	97		100		70-130	3		30
Acrylonitrile	110		112		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10 Batch: WG716917-1 WG716917-2								
Isopropyl Ether	112		116		66-130	4		30
tert-Butyl Alcohol	90		93		70-130	3		30
n-Propylbenzene	116		125		70-130	7		30
1,2,3-Trichlorobenzene	97		98		70-130	1		30
1,2,4-Trichlorobenzene	104		104		70-130	0		30
1,3,5-Trimethylbenzene	109		116		70-130	6		30
1,2,4-Trimethylbenzene	108		114		70-130	5		30
Methyl Acetate	114		117		51-146	3		30
Ethyl Acetate	110		112		70-130	2		30
Acrolein	**183**	Q	**164**	Q	70-130	11		30
Cyclohexane	112		128		59-142	13		30
1,4-Dioxane	97		102		65-136	5		30
Freon-113	104		119		50-139	13		30
p-Diethylbenzene	109		118		70-130	8		30
p-Ethyltoluene	112		121		70-130	8		30
1,2,4,5-Tetramethylbenzene	105		109		70-130	4		30
Tetrahydrofuran	114		116		66-130	2		30
Ethyl ether	100		103		67-130	3		30
trans-1,4-Dichloro-2-butene	116		122		70-130	5		30
Methyl cyclohexane	101		118		70-130	16		30
Ethyl-Tert-Butyl-Ether	105		108		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10 Batch: WG716917-1 WG716917-2								
Tertiary-Amyl Methyl Ether	97		101		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		114		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	101		102		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08,12,14-17 QC Batch ID: WG716585-4 WG716585-5 QC Sample: L1418860-12 Client ID: SB-43_6-8												
Methylene chloride	ND	22.2	18	79		19	79		70-130	7		30
1,1-Dichloroethane	ND	22.2	19	84		20	83		70-130	5		30
Chloroform	ND	22.2	19	85		20	84		70-130	5		30
Carbon tetrachloride	ND	22.2	19	85		20	83		70-130	4		30
1,2-Dichloropropane	ND	22.2	18	79		19	79		70-130	7		30
Dibromochloromethane	ND	22.2	15	**67**	Q	17	71		70-130	13		30
2-Chloroethylvinyl ether	ND	22.2	14J	**62**	Q	16.J	**66**	Q	70-130	13		30
1,1,2-Trichloroethane	ND	22.2	17	76		19	79		70-130	11		30
Tetrachloroethene	ND	22.2	17	75		18	75		70-130	6		30
Chlorobenzene	ND	22.2	15	**68**	Q	17	72		70-130	13		30
Trichlorofluoromethane	ND	22.2	25	113		26	110		70-139	4		30
1,2-Dichloroethane	ND	22.2	18	82		20	83		70-130	8		30
1,1,1-Trichloroethane	ND	22.2	20	92		21	89		70-130	4		30
Bromodichloromethane	ND	22.2	17	76		18	78		70-130	8		30
trans-1,3-Dichloropropene	ND	22.2	13	**59**	Q	15	**64**	Q	70-130	16		30
cis-1,3-Dichloropropene	ND	22.2	15	**69**	Q	17	73		70-130	11		30
1,1-Dichloropropene	ND	22.2	18	82		19	80		70-130	4		30
Bromoform	ND	22.2	13	**58**	Q	15	**62**	Q	70-130	13		30
1,1,2,2-Tetrachloroethane	ND	22.2	15	**68**	Q	17	73		70-130	14		30
Benzene	ND	22.2	18	81		19	80		70-130	5		30
Toluene	ND	22.2	16	70		17	71		70-130	9		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08,12,14-17 QC Batch ID: WG716585-4 WG716585-5 QC Sample: L1418860-12 Client ID: SB-43_6-8												
Ethylbenzene	ND	22.2	16	71		17	73		70-130	9		30
Chloromethane	ND	22.2	18	81		19	79		52-130	4		30
Bromomethane	ND	22.2	23	103		24	100		57-147	4		30
Vinyl chloride	ND	22.2	20	89		21	88		67-130	5		30
Chloroethane	ND	22.2	22	100		23	96		50-151	3		30
1,1-Dichloroethene	ND	22.2	20	90		21	88		65-135	4		30
trans-1,2-Dichloroethene	ND	22.2	17	78		18	78		70-130	7		30
Trichloroethene	ND	22.2	18	80		19	80		70-130	6		30
1,2-Dichlorobenzene	ND	22.2	12	**54**	Q	15	**62**	Q	70-130	20		30
1,3-Dichlorobenzene	ND	22.2	12	**53**	Q	14	**61**	Q	70-130	20		30
1,4-Dichlorobenzene	ND	22.2	11	**51**	Q	14	**60**	Q	70-130	23		30
Methyl tert butyl ether	ND	22.2	18	79		19	80		66-130	8		30
p/m-Xylene	ND	44.4	32	72		35	74		70-130	9		30
o-Xylene	ND	44.4	33	74		36	75		70-130	9		30
cis-1,2-Dichloroethene	ND	22.2	18	79		19	81		70-130	9		30
Dibromomethane	ND	22.2	17	77		19	80		70-130	11		30
Styrene	ND	44.4	28	**63**	Q	33	**69**	Q	70-130	16		30
Dichlorodifluoromethane	ND	22.2	21	94		21	89		30-146	1		30
Acetone	4.2J	22.2	18	80		20	83		54-140	10		30
Carbon disulfide	ND	22.2	15	66		15	65		59-130	5		30
2-Butanone	ND	22.2	16	72		17	72		70-130	7		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08,12,14-17 QC Batch ID: WG716585-4 WG716585-5 QC Sample: L1418860-12 Client ID: SB-43_6-8												
Vinyl acetate	ND	22.2	14	**62**	Q	16	**68**	Q	70-130	15		30
4-Methyl-2-pentanone	ND	22.2	16	72		17	73		70-130	8		30
1,2,3-Trichloropropane	ND	22.2	16	71		18	75		68-130	11		30
2-Hexanone	ND	22.2	13	**57**	Q	14	**60**	Q	70-130	12		30
Bromochloromethane	ND	22.2	19	86		21	88		70-130	8		30
2,2-Dichloropropane	ND	22.2	19	86		20	83		70-130	3		30
1,2-Dibromoethane	ND	22.2	15	**69**	Q	17	74		70-130	12		30
1,3-Dichloropropane	ND	22.2	16	74		18	76		69-130	10		30
1,1,1,2-Tetrachloroethane	ND	22.2	16	74		18	74		70-130	7		30
Bromobenzene	ND	22.2	13	**59**	Q	16	**66**	Q	70-130	18		30
n-Butylbenzene	ND	22.2	12	**54**	Q	14	**58**	Q	70-130	14		30
sec-Butylbenzene	ND	22.2	14	**62**	Q	15	**64**	Q	70-130	10		30
tert-Butylbenzene	ND	22.2	15	**66**	Q	16	**68**	Q	70-130	9		30
o-Chlorotoluene	ND	22.2	14	**62**	Q	16	**66**	Q	70-130	13		30
p-Chlorotoluene	ND	22.2	12	**55**	Q	15	**62**	Q	70-130	17		30
1,2-Dibromo-3-chloropropane	ND	22.2	12	**54**	Q	15	**62**	Q	68-130	21		30
Hexachlorobutadiene	ND	22.2	9.0	**41**	Q	10	**44**	Q	67-130	14		30
Isopropylbenzene	ND	22.2	15	**68**	Q	17	70		70-130	9		30
p-Isopropyltoluene	ND	22.2	13	**60**	Q	15	**64**	Q	70-130	13		30
Naphthalene	ND	22.2	9.0	**40**	Q	13	**53**	Q	70-130	**33**	Q	30
Acrylonitrile	ND	22.2	16	72		18	74		70-130	9		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08,12,14-17 QC Batch ID: WG716585-4 WG716585-5 QC Sample: L1418860-12 Client ID: SB-43_6-8												
Isopropyl Ether	ND	22.2	17	77		18	76		66-130	6		30
tert-Butyl Alcohol	ND	111	80	72		86	73			7		30
n-Propylbenzene	ND	22.2	14	**63**	Q	16	**66**	Q	70-130	11		30
1,2,3-Trichlorobenzene	ND	22.2	8.7	**39**	Q	12	**51**	Q	70-130	**31**	Q	30
1,2,4-Trichlorobenzene	ND	22.2	8.6	**39**	Q	12	**49**	Q	70-130	**31**	Q	30
1,3,5-Trimethylbenzene	ND	22.2	14	**65**	Q	16	**68**	Q	70-130	11		30
1,2,4-Trimethylbenzene	ND	22.2	14	**61**	Q	15	**65**	Q	70-130	13		30
Methyl Acetate	ND	22.2	20J	92		21.J	90		51-146	4		30
Ethyl Acetate	ND	22.2	16J	71		17.J	72			8		30
Acrolein	ND	22.2	14J	62		15.J	63			9		30
Cyclohexane	ND	22.2	17J	78		18.J	76		59-142	5		30
1,4-Dioxane	ND	1110	890	80		950	80		65-136	6		30
Freon-113	ND	22.2	19J	86		20.J	83		50-139	2		30
p-Diethylbenzene	ND	22.2	12	**56**	Q	14	**60**	Q	70-130	14		30
p-Ethyltoluene	ND	22.2	14	**63**	Q	16	**66**	Q	70-130	12		30
1,2,4,5-Tetramethylbenzene	ND	22.2	12	**52**	Q	14	**58**	Q	70-130	18		30
Tetrahydrofuran	ND	22.2	18J	80		19.J	80		66-130	7		30
Ethyl ether	ND	22.2	19	87		21	87		67-130	6		30
trans-1,4-Dichloro-2-butene	ND	22.2	11	**50**	Q	13	**56**	Q	70-130	18		30
Methyl cyclohexane	ND	22.2	17	74		17	73		70-130	5		30
Ethyl-Tert-Butyl-Ether	ND	22.2	17	77		18	76		70-130	6		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08,12,14-17 QC Batch ID: WG716585-4 WG716585-5 QC Sample: L1418860-12 Client ID: SB-43_6-8												
Tertiary-Amyl Methyl Ether	ND	22.2	17	78		19	79		70-130	7		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		100		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	105		105		70-130
Toluene-d8	96		96		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-01 D
Client ID: SB-38_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/14 19:25
Analyst: PS
Percent Solids: 87%

Date Collected: 08/19/14 10:55
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	230	J	ug/kg	300	78.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	120	2
Hexachlorobenzene	ND		ug/kg	230	70.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	100	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	120	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	81.	2
2,6-Dinitrotoluene	ND		ug/kg	380	96.	2
Fluoranthene	8400		ug/kg	230	69.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	87.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	110	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	68.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	360	J	ug/kg	380	120	2
Nitrobenzene	ND		ug/kg	340	90.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	79.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	99.	2
Butyl benzyl phthalate	ND		ug/kg	380	74.	2
Di-n-butylphthalate	ND		ug/kg	380	73.	2
Di-n-octylphthalate	ND		ug/kg	380	93.	2
Diethyl phthalate	ND		ug/kg	380	80.	2
Dimethyl phthalate	ND		ug/kg	380	96.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-01 D Date Collected: 08/19/14 10:55

Client ID: SB-38_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	4100		ug/kg	230	74.	2
Benzo(a)pyrene	3700		ug/kg	300	92.	2
Benzo(b)fluoranthene	3500		ug/kg	230	76.	2
Benzo(k)fluoranthene	2300		ug/kg	230	72.	2
Chrysene	4000		ug/kg	230	74.	2
Acenaphthylene	1400		ug/kg	300	70.	2
Anthracene	2800		ug/kg	230	63.	2
Benzo(ghi)perylene	2200		ug/kg	300	78.	2
Fluorene	1100		ug/kg	380	110	2
Phenanthrene	7600		ug/kg	230	74.	2
Dibenzo(a,h)anthracene	410		ug/kg	230	73.	2
Indeno(1,2,3-cd)Pyrene	2400		ug/kg	300	84.	2
Pyrene	6500		ug/kg	230	73.	2
Biphenyl	140	J	ug/kg	860	120	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	100	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	740		ug/kg	380	120	2
2-Methylnaphthalene	400	J	ug/kg	450	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	71.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	810	120	2
4-Nitrophenol	ND		ug/kg	530	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	520	2
4,6-Dinitro-o-cresol	ND		ug/kg	980	140	2
Pentachlorophenol	ND		ug/kg	300	81.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	120	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	530		ug/kg	380	81.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-01 D Date Collected: 08/19/14 10:55

Client ID: SB-38_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	500	150	2
Caprolactam	ND		ug/kg	380	100	2
Atrazine	ND		ug/kg	300	85.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	380	64.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	117		0-136
4-Terphenyl-d14	79		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-02 D
Client ID: SB-38_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/27/14 15:28
Analyst: RC
Percent Solids: 93%

Date Collected: 08/19/14 11:00
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/27/14 07:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	280	73.	2
1,2,4-Trichlorobenzene	ND		ug/kg	350	120	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	99.	2
2-Chloronaphthalene	ND		ug/kg	350	120	2
1,2-Dichlorobenzene	ND		ug/kg	350	120	2
1,3-Dichlorobenzene	ND		ug/kg	350	110	2
1,4-Dichlorobenzene	ND		ug/kg	350	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	94.	2
2,4-Dinitrotoluene	ND		ug/kg	350	76.	2
2,6-Dinitrotoluene	ND		ug/kg	350	90.	2
Fluoranthene	1100		ug/kg	210	65.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	350	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	81.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	110	2
Hexachlorobutadiene	ND		ug/kg	350	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	280	64.	2
Isophorone	ND		ug/kg	320	94.	2
Naphthalene	120	J	ug/kg	350	120	2
Nitrobenzene	ND		ug/kg	320	84.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	280	74.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	350	100	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	350	93.	2
Butyl benzyl phthalate	ND		ug/kg	350	69.	2
Di-n-butylphthalate	ND		ug/kg	350	68.	2
Di-n-octylphthalate	ND		ug/kg	350	87.	2
Diethyl phthalate	ND		ug/kg	350	75.	2
Dimethyl phthalate	ND		ug/kg	350	90.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-02 D Date Collected: 08/19/14 11:00

Client ID: SB-38_3-5 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	500		ug/kg	210	69.	2
Benzo(a)pyrene	360		ug/kg	280	86.	2
Benzo(b)fluoranthene	550		ug/kg	210	71.	2
Benzo(k)fluoranthene	180	J	ug/kg	210	68.	2
Chrysene	570		ug/kg	210	69.	2
Acenaphthylene	100	J	ug/kg	280	66.	2
Anthracene	180	J	ug/kg	210	59.	2
Benzo(ghi)perylene	230	J	ug/kg	280	74.	2
Fluorene	ND		ug/kg	350	100	2
Phenanthrene	920		ug/kg	210	69.	2
Dibenzo(a,h)anthracene	ND		ug/kg	210	68.	2
Indeno(1,2,3-cd)Pyrene	200	J	ug/kg	280	78.	2
Pyrene	920		ug/kg	210	69.	2
Biphenyl	ND		ug/kg	810	120	2
4-Chloroaniline	ND		ug/kg	350	93.	2
2-Nitroaniline	ND		ug/kg	350	100	2
3-Nitroaniline	ND		ug/kg	350	98.	2
4-Nitroaniline	ND		ug/kg	350	96.	2
Dibenzofuran	ND		ug/kg	350	120	2
2-Methylnaphthalene	140	J	ug/kg	420	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	350	110	2
Acetophenone	ND		ug/kg	350	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
P-Chloro-M-Cresol	ND		ug/kg	350	100	2
2-Chlorophenol	ND		ug/kg	350	110	2
2,4-Dichlorophenol	ND		ug/kg	320	110	2
2,4-Dimethylphenol	ND		ug/kg	350	100	2
2-Nitrophenol	ND		ug/kg	760	110	2
4-Nitrophenol	ND		ug/kg	500	110	2
2,4-Dinitrophenol	ND		ug/kg	1700	480	2
4,6-Dinitro-o-cresol	ND		ug/kg	920	130	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	350	100	2
2-Methylphenol	ND		ug/kg	350	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2
2,4,5-Trichlorophenol	ND		ug/kg	350	110	2
Benzoic Acid	ND		ug/kg	1100	360	2
Benzyl Alcohol	ND		ug/kg	350	110	2
Carbazole	ND		ug/kg	350	76.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-02 D Date Collected: 08/19/14 11:00

Client ID: SB-38_3-5 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	470	140	2
Caprolactam	ND		ug/kg	350	98.	2
Atrazine	ND		ug/kg	280	80.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	350	60.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		25-120
Phenol-d6	51		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	18		0-136
4-Terphenyl-d14	82		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-03
Client ID: SB-39_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/14 20:21
Analyst: PS
Percent Solids: 89%

Date Collected: 08/19/14 13:50
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	180		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	ND		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-03 Date Collected: 08/19/14 13:50

Client ID: SB-39_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	120		ug/kg	110	36.	1
Benzo(a)pyrene	120	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	160		ug/kg	110	37.	1
Benzo(k)fluoranthene	51	J	ug/kg	110	35.	1
Chrysene	160		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	140	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	100	J	ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	140		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	86	J	ug/kg	140	40.	1
Pyrene	210		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	420	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	ND		ug/kg	180	61.	1
2-Methylnaphthalene	ND		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	57.	1
4-Nitrophenol	ND		ug/kg	260	59.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	67.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	39.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-03
Client ID: SB-39_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:50
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	240	74.	1
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	61		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-04
Client ID: SB-39_5-7
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/14 20:48
Analyst: PS
Percent Solids: 83%

Date Collected: 08/19/14 13:55
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	130	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	1100		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-04 Date Collected: 08/19/14 13:55

Client ID: SB-39_5-7 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	440		ug/kg	120	38.	1
Benzo(a)pyrene	400		ug/kg	160	48.	1
Benzo(b)fluoranthene	420		ug/kg	120	40.	1
Benzo(k)fluoranthene	200		ug/kg	120	38.	1
Chrysene	450		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	280		ug/kg	120	33.	1
Benzo(ghi)perylene	210		ug/kg	160	41.	1
Fluorene	140	J	ug/kg	200	56.	1
Phenanthrene	1300		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	44	J	ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	220		ug/kg	160	44.	1
Pyrene	950		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	84	J	ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	130	J	ug/kg	200	42.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-04
Client ID: SB-39_5-7
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:55
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	260	79.	1
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	108		0-136
4-Terphenyl-d14	67		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-05
Client ID: SB-40_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/14 21:16
Analyst: PS
Percent Solids: 97%

Date Collected: 08/19/14 10:00
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	160		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-05 Date Collected: 08/19/14 10:00

Client ID: SB-40_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	90	J	ug/kg	100	33.	1
Benzo(a)pyrene	120	J	ug/kg	140	42.	1
Benzo(b)fluoranthene	110		ug/kg	100	34.	1
Benzo(k)fluoranthene	48	J	ug/kg	100	32.	1
Chrysene	120		ug/kg	100	33.	1
Acenaphthylene	72	J	ug/kg	140	32.	1
Anthracene	35	J	ug/kg	100	28.	1
Benzo(ghi)perylene	100	J	ug/kg	140	35.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	120		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	85	J	ug/kg	140	38.	1
Pyrene	220		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	56.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	820	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	140	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	37.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-05
Client ID: SB-40_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 10:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	220	69.	1
Caprolactam	ND		ug/kg	170	47.	1
Atrazine	ND		ug/kg	140	39.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	29.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	34		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	41		30-120
2,4,6-Tribromophenol	55		0-136
4-Terphenyl-d14	40		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-06	Date Collected:	08/19/14 10:05
Client ID:	SB-40_5-7	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/21/14 09:36
Analytical Date:	08/25/14 21:44		
Analyst:	PS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	58.	1
Hexachlorobenzene	ND		ug/kg	100	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	49.	1
2-Chloronaphthalene	ND		ug/kg	180	57.	1
1,2-Dichlorobenzene	ND		ug/kg	180	58.	1
1,3-Dichlorobenzene	ND		ug/kg	180	55.	1
1,4-Dichlorobenzene	ND		ug/kg	180	53.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	45.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	53.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	53.	1
Hexachlorobutadiene	ND		ug/kg	180	49.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	ND		ug/kg	180	58.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	34.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	43.	1
Diethyl phthalate	ND		ug/kg	180	37.	1
Dimethyl phthalate	ND		ug/kg	180	44.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-06 Date Collected: 08/19/14 10:05

Client ID: SB-40_5-7 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	33.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	180	50.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	34.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	39.	1
Pyrene	ND		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	180	46.	1
2-Nitroaniline	ND		ug/kg	180	49.	1
3-Nitroaniline	ND		ug/kg	180	48.	1
4-Nitroaniline	ND		ug/kg	180	47.	1
Dibenzofuran	ND		ug/kg	180	58.	1
2-Methylnaphthalene	ND		ug/kg	210	56.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	54.	1
Acetophenone	ND		ug/kg	180	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
P-Chloro-M-Cresol	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	180	53.	1
2,4-Dichlorophenol	ND		ug/kg	160	57.	1
2,4-Dimethylphenol	ND		ug/kg	180	52.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	240	57.	1
2,4-Dinitrophenol	ND		ug/kg	840	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	64.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	52.	1
2-Methylphenol	ND		ug/kg	180	56.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	57.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	38.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-06
Client ID: SB-40_5-7
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 10:05
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	230	71.	1
Caprolactam	ND		ug/kg	180	48.	1
Atrazine	ND		ug/kg	140	40.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	30.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	115		0-136
4-Terphenyl-d14	77		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-07	Date Collected:	08/19/14 12:15
Client ID:	SB-41_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/21/14 09:36
Analytical Date:	08/25/14 22:11		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	52	J	ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	1
Hexachlorobenzene	ND		ug/kg	110	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	58.	1
1,2-Dichlorobenzene	ND		ug/kg	180	59.	1
1,3-Dichlorobenzene	ND		ug/kg	180	56.	1
1,4-Dichlorobenzene	ND		ug/kg	180	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	1800		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	63.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	ND		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	53.	1
Bis(2-Ethylhexyl)phthalate	88	J	ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-07 Date Collected: 08/19/14 12:15

Client ID: SB-41_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	1100		ug/kg	110	35.	1
Benzo(a)pyrene	1100		ug/kg	140	44.	1
Benzo(b)fluoranthene	1200		ug/kg	110	36.	1
Benzo(k)fluoranthene	540		ug/kg	110	34.	1
Chrysene	1100		ug/kg	110	35.	1
Acenaphthylene	250		ug/kg	140	34.	1
Anthracene	250		ug/kg	110	30.	1
Benzo(ghi)perylene	660		ug/kg	140	37.	1
Fluorene	58	J	ug/kg	180	51.	1
Phenanthrene	840		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	200		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	670		ug/kg	140	40.	1
Pyrene	2000		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	59.	1
4-Chloroaniline	ND		ug/kg	180	47.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	60.	1
2-Methylnaphthalene	ND		ug/kg	220	57.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	53.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	860	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	54	J	ug/kg	180	38.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-07
Client ID: SB-41_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 12:15
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	240	72.	1
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	30.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	100		0-136
4-Terphenyl-d14	55		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-08
Client ID: SB-41_7-9
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/14 10:40
Analyst: PS
Percent Solids: 82%

Date Collected: 08/19/14 12:20
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	540		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	3800		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	900		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-08 Date Collected: 08/19/14 12:20

Client ID: SB-41_7-9 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	1600		ug/kg	120	39.	1
Benzo(a)pyrene	1500		ug/kg	160	49.	1
Benzo(b)fluoranthene	1800		ug/kg	120	40.	1
Benzo(k)fluoranthene	650		ug/kg	120	38.	1
Chrysene	1700		ug/kg	120	39.	1
Acenaphthylene	140	J	ug/kg	160	37.	1
Anthracene	850		ug/kg	120	33.	1
Benzo(ghi)perylene	860		ug/kg	160	41.	1
Fluorene	540		ug/kg	200	57.	1
Phenanthrene	3900		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	200		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	890		ug/kg	160	44.	1
Pyrene	3300		ug/kg	120	39.	1
Biphenyl	110	J	ug/kg	450	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	400		ug/kg	200	66.	1
2-Methylnaphthalene	340		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	85	J	ug/kg	290	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	410		ug/kg	200	43.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-08
Client ID: SB-41_7-9
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 12:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	260	80.	1
Caprolactam	ND		ug/kg	200	55.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	68		18-120

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-09	D2	Date Collected:	08/19/14 10:20
Client ID:	SB-42_0-2		Date Received:	08/19/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	08/21/14 09:36
Analytical Date:	08/26/14 14:43			
Analyst:	PS			
Percent Solids:	99%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	23000		ug/kg	1000	300	10
Benzo(b)fluoranthene	12000		ug/kg	1000	340	10
Phenanthrene	19000		ug/kg	1000	320	10
Pyrene	21000		ug/kg	1000	320	10

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-09 D
Client ID: SB-42_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/14 13:05
Analyst: PS
Percent Solids: 99%

Date Collected: 08/19/14 10:20
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1800		ug/kg	260	68.	2
1,2,4-Trichlorobenzene	ND		ug/kg	330	110	2
Hexachlorobenzene	ND		ug/kg	200	62.	2
Bis(2-chloroethyl)ether	ND		ug/kg	300	93.	2
2-Chloronaphthalene	ND		ug/kg	330	110	2
1,2-Dichlorobenzene	ND		ug/kg	330	110	2
1,3-Dichlorobenzene	ND		ug/kg	330	100	2
1,4-Dichlorobenzene	ND		ug/kg	330	100	2
3,3'-Dichlorobenzidine	ND		ug/kg	330	88.	2
2,4-Dinitrotoluene	ND		ug/kg	330	72.	2
2,6-Dinitrotoluene	ND		ug/kg	330	85.	2
Fluoranthene	20000	E	ug/kg	200	61.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	330	100	2
4-Bromophenyl phenyl ether	ND		ug/kg	330	76.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	400	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	360	100	2
Hexachlorobutadiene	ND		ug/kg	330	94.	2
Hexachlorocyclopentadiene	ND		ug/kg	950	210	2
Hexachloroethane	ND		ug/kg	260	60.	2
Isophorone	ND		ug/kg	300	88.	2
Naphthalene	830		ug/kg	330	110	2
Nitrobenzene	ND		ug/kg	300	79.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	260	70.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	330	99.	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	330	87.	2
Butyl benzyl phthalate	ND		ug/kg	330	65.	2
Di-n-butylphthalate	ND		ug/kg	330	64.	2
Di-n-octylphthalate	ND		ug/kg	330	82.	2
Diethyl phthalate	ND		ug/kg	330	70.	2
Dimethyl phthalate	ND		ug/kg	330	84.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-09 D Date Collected: 08/19/14 10:20

Client ID: SB-42_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	11000		ug/kg	200	65.	2
Benzo(a)pyrene	12000		ug/kg	260	81.	2
Benzo(b)fluoranthene	14000	E	ug/kg	200	67.	2
Benzo(k)fluoranthene	4900		ug/kg	200	63.	2
Chrysene	12000		ug/kg	200	65.	2
Acenaphthylene	670		ug/kg	260	62.	2
Anthracene	6400		ug/kg	200	55.	2
Benzo(ghi)perylene	7300		ug/kg	260	69.	2
Fluorene	1600		ug/kg	330	95.	2
Phenanthrene	19000	E	ug/kg	200	65.	2
Dibenzo(a,h)anthracene	1600		ug/kg	200	64.	2
Indeno(1,2,3-cd)Pyrene	8100		ug/kg	260	74.	2
Pyrene	20000	E	ug/kg	200	64.	2
Biphenyl	270	J	ug/kg	760	110	2
4-Chloroaniline	ND		ug/kg	330	88.	2
2-Nitroaniline	ND		ug/kg	330	94.	2
3-Nitroaniline	ND		ug/kg	330	92.	2
4-Nitroaniline	ND		ug/kg	330	90.	2
Dibenzofuran	1200		ug/kg	330	110	2
2-Methylnaphthalene	530		ug/kg	400	100	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	330	100	2
Acetophenone	ND		ug/kg	330	100	2
2,4,6-Trichlorophenol	ND		ug/kg	200	62.	2
P-Chloro-M-Cresol	ND		ug/kg	330	96.	2
2-Chlorophenol	ND		ug/kg	330	100	2
2,4-Dichlorophenol	ND		ug/kg	300	110	2
2,4-Dimethylphenol	ND		ug/kg	330	99.	2
2-Nitrophenol	ND		ug/kg	720	100	2
4-Nitrophenol	ND		ug/kg	460	110	2
2,4-Dinitrophenol	ND		ug/kg	1600	450	2
4,6-Dinitro-o-cresol	ND		ug/kg	860	120	2
Pentachlorophenol	ND		ug/kg	260	71.	2
Phenol	ND		ug/kg	330	98.	2
2-Methylphenol	ND		ug/kg	330	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	480	110	2
2,4,5-Trichlorophenol	ND		ug/kg	330	110	2
Benzoic Acid	ND		ug/kg	1100	340	2
Benzyl Alcohol	ND		ug/kg	330	100	2
Carbazole	1700		ug/kg	330	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-09 D Date Collected: 08/19/14 10:20

Client ID: SB-42_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	440	130	2
Caprolactam	ND		ug/kg	330	92.	2
Atrazine	ND		ug/kg	260	75.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	330	56.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	73		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-10 D
Client ID: SB-42_6-8
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/14 13:30
Analyst: PS
Percent Solids: 90%

Date Collected: 08/19/14 10:25
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2700		ug/kg	590	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	730	240	4
Hexachlorobenzene	ND		ug/kg	440	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	660	200	4
2-Chloronaphthalene	ND		ug/kg	730	240	4
1,2-Dichlorobenzene	ND		ug/kg	730	240	4
1,3-Dichlorobenzene	ND		ug/kg	730	230	4
1,4-Dichlorobenzene	ND		ug/kg	730	220	4
3,3'-Dichlorobenzidine	ND		ug/kg	730	200	4
2,4-Dinitrotoluene	ND		ug/kg	730	160	4
2,6-Dinitrotoluene	ND		ug/kg	730	190	4
Fluoranthene	20000		ug/kg	440	130	4
4-Chlorophenyl phenyl ether	ND		ug/kg	730	220	4
4-Bromophenyl phenyl ether	ND		ug/kg	730	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	880	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	790	220	4
Hexachlorobutadiene	ND		ug/kg	730	210	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	470	4
Hexachloroethane	ND		ug/kg	590	130	4
Isophorone	ND		ug/kg	660	200	4
Naphthalene	1900		ug/kg	730	240	4
Nitrobenzene	ND		ug/kg	660	170	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	590	150	4
n-Nitrosodi-n-propylamine	ND		ug/kg	730	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	730	190	4
Butyl benzyl phthalate	ND		ug/kg	730	140	4
Di-n-butylphthalate	ND		ug/kg	730	140	4
Di-n-octylphthalate	ND		ug/kg	730	180	4
Diethyl phthalate	ND		ug/kg	730	160	4
Dimethyl phthalate	ND		ug/kg	730	190	4

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-10 D Date Collected: 08/19/14 10:25

Client ID: SB-42_6-8 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	8800		ug/kg	440	140	4
Benzo(a)pyrene	8100		ug/kg	590	180	4
Benzo(b)fluoranthene	9700		ug/kg	440	150	4
Benzo(k)fluoranthene	3800		ug/kg	440	140	4
Chrysene	9400		ug/kg	440	140	4
Acenaphthylene	850		ug/kg	590	140	4
Anthracene	5200		ug/kg	440	120	4
Benzo(ghi)perylene	4300		ug/kg	590	150	4
Fluorene	3000		ug/kg	730	210	4
Phenanthrene	21000		ug/kg	440	140	4
Dibenzo(a,h)anthracene	1200		ug/kg	440	140	4
Indeno(1,2,3-cd)Pyrene	4600		ug/kg	590	160	4
Pyrene	17000		ug/kg	440	140	4
Biphenyl	380	J	ug/kg	1700	240	4
4-Chloroaniline	ND		ug/kg	730	190	4
2-Nitroaniline	ND		ug/kg	730	210	4
3-Nitroaniline	ND		ug/kg	730	200	4
4-Nitroaniline	ND		ug/kg	730	200	4
Dibenzofuran	2100		ug/kg	730	240	4
2-Methylnaphthalene	930		ug/kg	880	230	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	730	230	4
Acetophenone	ND		ug/kg	730	230	4
2,4,6-Trichlorophenol	ND		ug/kg	440	140	4
P-Chloro-M-Cresol	ND		ug/kg	730	210	4
2-Chlorophenol	ND		ug/kg	730	220	4
2,4-Dichlorophenol	ND		ug/kg	660	240	4
2,4-Dimethylphenol	ND		ug/kg	730	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3500	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	590	160	4
Phenol	ND		ug/kg	730	220	4
2-Methylphenol	ND		ug/kg	730	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	240	4
2,4,5-Trichlorophenol	ND		ug/kg	730	240	4
Benzoic Acid	ND		ug/kg	2400	740	4
Benzyl Alcohol	ND		ug/kg	730	230	4
Carbazole	2200		ug/kg	730	160	4

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-10 D Date Collected: 08/19/14 10:25

Client ID: SB-42_6-8 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	970	300	4
Caprolactam	ND		ug/kg	730	200	4
Atrazine	ND		ug/kg	590	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	730	120	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	53		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-11
Client ID: SB-43_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/14 11:04
Analyst: PS
Percent Solids: 76%

Date Collected: 08/19/14 09:45
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	45.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	71.	1
Hexachlorobenzene	ND		ug/kg	130	40.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	61.	1
2-Chloronaphthalene	ND		ug/kg	220	71.	1
1,2-Dichlorobenzene	ND		ug/kg	220	71.	1
1,3-Dichlorobenzene	ND		ug/kg	220	68.	1
1,4-Dichlorobenzene	ND		ug/kg	220	66.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	47.	1
2,6-Dinitrotoluene	ND		ug/kg	220	56.	1
Fluoranthene	ND		ug/kg	130	40.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	66.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	50.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	76.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	66.	1
Hexachlorobutadiene	ND		ug/kg	220	61.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	140	1
Hexachloroethane	ND		ug/kg	170	39.	1
Isophorone	ND		ug/kg	200	58.	1
Naphthalene	ND		ug/kg	220	72.	1
Nitrobenzene	ND		ug/kg	200	52.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	46.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	65.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	57.	1
Butyl benzyl phthalate	ND		ug/kg	220	42.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	53.	1
Diethyl phthalate	ND		ug/kg	220	46.	1
Dimethyl phthalate	ND		ug/kg	220	55.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-11 Date Collected: 08/19/14 09:45

Client ID: SB-43_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	130	42.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	44.	1
Benzo(k)fluoranthene	ND		ug/kg	130	41.	1
Chrysene	ND		ug/kg	130	43.	1
Acenaphthylene	ND		ug/kg	170	41.	1
Anthracene	ND		ug/kg	130	36.	1
Benzo(ghi)perylene	ND		ug/kg	170	45.	1
Fluorene	ND		ug/kg	220	62.	1
Phenanthrene	47	J	ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	42.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	48.	1
Pyrene	ND		ug/kg	130	42.	1
Biphenyl	ND		ug/kg	500	72.	1
4-Chloroaniline	ND		ug/kg	220	57.	1
2-Nitroaniline	ND		ug/kg	220	61.	1
3-Nitroaniline	ND		ug/kg	220	60.	1
4-Nitroaniline	ND		ug/kg	220	59.	1
Dibenzofuran	ND		ug/kg	220	72.	1
2-Methylnaphthalene	ND		ug/kg	260	69.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	67.	1
Acetophenone	ND		ug/kg	220	67.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
P-Chloro-M-Cresol	ND		ug/kg	220	63.	1
2-Chlorophenol	ND		ug/kg	220	66.	1
2,4-Dichlorophenol	ND		ug/kg	200	70.	1
2,4-Dimethylphenol	ND		ug/kg	220	65.	1
2-Nitrophenol	ND		ug/kg	470	68.	1
4-Nitrophenol	ND		ug/kg	300	70.	1
2,4-Dinitrophenol	ND		ug/kg	1000	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	80.	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	220	64.	1
2-Methylphenol	ND		ug/kg	220	70.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	71.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	70.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	ND		ug/kg	220	47.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-11
Client ID: SB-43_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 09:45
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	290	88.	1
Caprolactam	ND		ug/kg	220	60.	1
Atrazine	ND		ug/kg	170	49.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**21**	Q	25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	11		0-136
4-Terphenyl-d14	69		18-120

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-12	Date Collected:	08/19/14 09:50
Client ID:	SB-43_6-8	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/21/14 09:37
Analytical Date:	08/26/14 11:28		
Analyst:	PS		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	56	J	ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	58.	1
Hexachlorobenzene	ND		ug/kg	100	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	49.	1
2-Chloronaphthalene	ND		ug/kg	180	57.	1
1,2-Dichlorobenzene	ND		ug/kg	180	58.	1
1,3-Dichlorobenzene	ND		ug/kg	180	56.	1
1,4-Dichlorobenzene	ND		ug/kg	180	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	45.	1
Fluoranthene	710		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	53.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	ND		ug/kg	180	58.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	34.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	43.	1
Diethyl phthalate	ND		ug/kg	180	37.	1
Dimethyl phthalate	ND		ug/kg	180	45.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-12 Date Collected: 08/19/14 09:50

Client ID: SB-43_6-8 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	350		ug/kg	100	34.	1
Benzo(a)pyrene	280		ug/kg	140	43.	1
Benzo(b)fluoranthene	360		ug/kg	100	36.	1
Benzo(k)fluoranthene	130		ug/kg	100	34.	1
Chrysene	340		ug/kg	100	34.	1
Acenaphthylene	46	J	ug/kg	140	33.	1
Anthracene	140		ug/kg	100	29.	1
Benzo(ghi)perylene	160		ug/kg	140	37.	1
Fluorene	60	J	ug/kg	180	50.	1
Phenanthrene	590		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	40	J	ug/kg	100	34.	1
Indeno(1,2,3-cd)Pyrene	170		ug/kg	140	39.	1
Pyrene	610		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	180	46.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	48.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	59.	1
2-Methylnaphthalene	ND		ug/kg	210	56.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	54.	1
Acetophenone	ND		ug/kg	180	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
P-Chloro-M-Cresol	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	180	53.	1
2,4-Dichlorophenol	ND		ug/kg	160	57.	1
2,4-Dimethylphenol	ND		ug/kg	180	52.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	250	57.	1
2,4-Dinitrophenol	ND		ug/kg	840	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	64.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	52.	1
2-Methylphenol	ND		ug/kg	180	57.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	57.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	49	J	ug/kg	180	38.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-12
Client ID: SB-43_6-8
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 09:50
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	230	71.	1
Caprolactam	ND		ug/kg	180	48.	1
Atrazine	ND		ug/kg	140	40.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	30.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	54		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-13 D
Client ID: SB-44_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/14 13:54
Analyst: PS
Percent Solids: 90%

Date Collected: 08/19/14 13:20
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	580	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	730	240	4
Hexachlorobenzene	ND		ug/kg	440	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	660	200	4
2-Chloronaphthalene	ND		ug/kg	730	240	4
1,2-Dichlorobenzene	ND		ug/kg	730	240	4
1,3-Dichlorobenzene	ND		ug/kg	730	230	4
1,4-Dichlorobenzene	ND		ug/kg	730	220	4
3,3'-Dichlorobenzidine	ND		ug/kg	730	190	4
2,4-Dinitrotoluene	ND		ug/kg	730	160	4
2,6-Dinitrotoluene	ND		ug/kg	730	190	4
Fluoranthene	1400		ug/kg	440	130	4
4-Chlorophenyl phenyl ether	ND		ug/kg	730	220	4
4-Bromophenyl phenyl ether	ND		ug/kg	730	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	880	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	790	220	4
Hexachlorobutadiene	ND		ug/kg	730	210	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	470	4
Hexachloroethane	ND		ug/kg	580	130	4
Isophorone	ND		ug/kg	660	190	4
Naphthalene	ND		ug/kg	730	240	4
Nitrobenzene	ND		ug/kg	660	170	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	580	150	4
n-Nitrosodi-n-propylamine	ND		ug/kg	730	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	730	190	4
Butyl benzyl phthalate	ND		ug/kg	730	140	4
Di-n-butylphthalate	ND		ug/kg	730	140	4
Di-n-octylphthalate	ND		ug/kg	730	180	4
Diethyl phthalate	ND		ug/kg	730	150	4
Dimethyl phthalate	ND		ug/kg	730	180	4

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-13 D Date Collected: 08/19/14 13:20

Client ID: SB-44_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	670		ug/kg	440	140	4
Benzo(a)pyrene	650		ug/kg	580	180	4
Benzo(b)fluoranthene	800		ug/kg	440	150	4
Benzo(k)fluoranthene	330	J	ug/kg	440	140	4
Chrysene	660		ug/kg	440	140	4
Acenaphthylene	ND		ug/kg	580	140	4
Anthracene	220	J	ug/kg	440	120	4
Benzo(ghi)perylene	420	J	ug/kg	580	150	4
Fluorene	ND		ug/kg	730	210	4
Phenanthrene	840		ug/kg	440	140	4
Dibenzo(a,h)anthracene	ND		ug/kg	440	140	4
Indeno(1,2,3-cd)Pyrene	440	J	ug/kg	580	160	4
Pyrene	1200		ug/kg	440	140	4
Biphenyl	ND		ug/kg	1700	240	4
4-Chloroaniline	ND		ug/kg	730	190	4
2-Nitroaniline	ND		ug/kg	730	210	4
3-Nitroaniline	ND		ug/kg	730	200	4
4-Nitroaniline	ND		ug/kg	730	200	4
Dibenzofuran	ND		ug/kg	730	240	4
2-Methylnaphthalene	ND		ug/kg	880	230	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	730	230	4
Acetophenone	ND		ug/kg	730	230	4
2,4,6-Trichlorophenol	ND		ug/kg	440	140	4
P-Chloro-M-Cresol	ND		ug/kg	730	210	4
2-Chlorophenol	ND		ug/kg	730	220	4
2,4-Dichlorophenol	ND		ug/kg	660	240	4
2,4-Dimethylphenol	ND		ug/kg	730	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3500	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	580	160	4
Phenol	ND		ug/kg	730	220	4
2-Methylphenol	ND		ug/kg	730	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	240	4
2,4,5-Trichlorophenol	ND		ug/kg	730	240	4
Benzoic Acid	ND		ug/kg	2400	740	4
Benzyl Alcohol	ND		ug/kg	730	220	4
Carbazole	ND		ug/kg	730	160	4

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-13 D
Client ID: SB-44_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	960	300	4
Caprolactam	ND		ug/kg	730	200	4
Atrazine	ND		ug/kg	580	160	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	730	120	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	25		0-136
4-Terphenyl-d14	50		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-14
Client ID: SB-44_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/27/14 14:30
Analyst: RC
Percent Solids: 89%

Date Collected: 08/19/14 13:25
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/26/14 13:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	400		ug/kg	140	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	4100		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	340		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	77	J	ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-14 Date Collected: 08/19/14 13:25

Client ID: SB-44_3-5 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	1900		ug/kg	110	36.	1
Benzo(a)pyrene	1600		ug/kg	140	44.	1
Benzo(b)fluoranthene	2000		ug/kg	110	37.	1
Benzo(k)fluoranthene	880		ug/kg	110	35.	1
Chrysene	1800		ug/kg	110	36.	1
Acenaphthylene	42	J	ug/kg	140	34.	1
Anthracene	810		ug/kg	110	30.	1
Benzo(ghi)perylene	980		ug/kg	140	38.	1
Fluorene	390		ug/kg	180	52.	1
Phenanthrene	3400		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	290		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	1100		ug/kg	140	40.	1
Pyrene	3200		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	420	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	290		ug/kg	180	61.	1
2-Methylnaphthalene	160	J	ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	57.	1
4-Nitrophenol	ND		ug/kg	250	59.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	67.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	480		ug/kg	180	39.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-14
Client ID: SB-44_3-5
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:25
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	240	74.	1
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**11**	Q	25-120
Phenol-d6	35		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	5		0-136
4-Terphenyl-d14	67		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-15 D
Client ID: SB-45_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/14 14:19
Analyst: PS
Percent Solids: 91%

Date Collected: 08/19/14 13:35
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1900		ug/kg	570	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	720	240	4
Hexachlorobenzene	ND		ug/kg	430	130	4
Bis(2-chloroethyl)ether	ND		ug/kg	650	200	4
2-Chloronaphthalene	ND		ug/kg	720	230	4
1,2-Dichlorobenzene	ND		ug/kg	720	240	4
1,3-Dichlorobenzene	ND		ug/kg	720	230	4
1,4-Dichlorobenzene	ND		ug/kg	720	220	4
3,3'-Dichlorobenzidine	ND		ug/kg	720	190	4
2,4-Dinitrotoluene	ND		ug/kg	720	150	4
2,6-Dinitrotoluene	ND		ug/kg	720	180	4
Fluoranthene	24000		ug/kg	430	130	4
4-Chlorophenyl phenyl ether	ND		ug/kg	720	220	4
4-Bromophenyl phenyl ether	ND		ug/kg	720	160	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	860	250	4
Bis(2-chloroethoxy)methane	ND		ug/kg	780	220	4
Hexachlorobutadiene	ND		ug/kg	720	200	4
Hexachlorocyclopentadiene	ND		ug/kg	2000	460	4
Hexachloroethane	ND		ug/kg	570	130	4
Isophorone	ND		ug/kg	650	190	4
Naphthalene	1800		ug/kg	720	240	4
Nitrobenzene	ND		ug/kg	650	170	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	570	150	4
n-Nitrosodi-n-propylamine	ND		ug/kg	720	210	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	720	190	4
Butyl benzyl phthalate	ND		ug/kg	720	140	4
Di-n-butylphthalate	ND		ug/kg	720	140	4
Di-n-octylphthalate	ND		ug/kg	720	180	4
Diethyl phthalate	ND		ug/kg	720	150	4
Dimethyl phthalate	ND		ug/kg	720	180	4

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-15 D Date Collected: 08/19/14 13:35

Client ID: SB-45_0-2 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	9200		ug/kg	430	140	4
Benzo(a)pyrene	8300		ug/kg	570	180	4
Benzo(b)fluoranthene	11000		ug/kg	430	140	4
Benzo(k)fluoranthene	3700		ug/kg	430	140	4
Chrysene	9300		ug/kg	430	140	4
Acenaphthylene	200	J	ug/kg	570	130	4
Anthracene	6400		ug/kg	430	120	4
Benzo(ghi)perylene	5200		ug/kg	570	150	4
Fluorene	3100		ug/kg	720	200	4
Phenanthrene	25000		ug/kg	430	140	4
Dibenzo(a,h)anthracene	1200		ug/kg	430	140	4
Indeno(1,2,3-cd)Pyrene	5700		ug/kg	570	160	4
Pyrene	19000		ug/kg	430	140	4
Biphenyl	410	J	ug/kg	1600	240	4
4-Chloroaniline	ND		ug/kg	720	190	4
2-Nitroaniline	ND		ug/kg	720	200	4
3-Nitroaniline	ND		ug/kg	720	200	4
4-Nitroaniline	ND		ug/kg	720	190	4
Dibenzofuran	2400		ug/kg	720	240	4
2-Methylnaphthalene	1000		ug/kg	860	230	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	720	220	4
Acetophenone	ND		ug/kg	720	220	4
2,4,6-Trichlorophenol	ND		ug/kg	430	140	4
P-Chloro-M-Cresol	ND		ug/kg	720	210	4
2-Chlorophenol	ND		ug/kg	720	220	4
2,4-Dichlorophenol	ND		ug/kg	650	230	4
2,4-Dimethylphenol	ND		ug/kg	720	210	4
2-Nitrophenol	ND		ug/kg	1600	220	4
4-Nitrophenol	ND		ug/kg	1000	230	4
2,4-Dinitrophenol	ND		ug/kg	3400	980	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	260	4
Pentachlorophenol	ND		ug/kg	570	150	4
Phenol	ND		ug/kg	720	210	4
2-Methylphenol	ND		ug/kg	720	230	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	240	4
2,4,5-Trichlorophenol	ND		ug/kg	720	230	4
Benzoic Acid	ND		ug/kg	2300	730	4
Benzyl Alcohol	ND		ug/kg	720	220	4
Carbazole	2300		ug/kg	720	150	4

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-15 D
Client ID: SB-45_0-2
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:35
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	950	290	4
Caprolactam	ND		ug/kg	720	200	4
Atrazine	ND		ug/kg	570	160	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	720	120	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	71		0-136
4-Terphenyl-d14	59		18-120

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-16
Client ID: SB-45_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/14 12:41
Analyst: PS
Percent Solids: 82%

Date Collected: 08/19/14 13:40
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	290		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	3000		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	280		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-16 Date Collected: 08/19/14 13:40

Client ID: SB-45_3-5 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	1100		ug/kg	120	39.	1
Benzo(a)pyrene	1100		ug/kg	160	49.	1
Benzo(b)fluoranthene	1300		ug/kg	120	40.	1
Benzo(k)fluoranthene	540		ug/kg	120	38.	1
Chrysene	1300		ug/kg	120	39.	1
Acenaphthylene	180		ug/kg	160	37.	1
Anthracene	460		ug/kg	120	33.	1
Benzo(ghi)perylene	610		ug/kg	160	42.	1
Fluorene	260		ug/kg	200	57.	1
Phenanthrene	2800		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	150		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	670		ug/kg	160	44.	1
Pyrene	2600		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	250		ug/kg	200	67.	1
2-Methylnaphthalene	140	J	ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	250		ug/kg	200	43.	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-16
Client ID: SB-45_3-5
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 13:40
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	260	81.	1
Caprolactam	ND		ug/kg	200	55.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	62		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-17
Client ID: F_SODUP01_5-7
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/14 11:53
Analyst: PS
Percent Solids: 87%

Date Collected: 08/19/14 00:00
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	150		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	1600		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-17 Date Collected: 08/19/14 00:00

Client ID: F_SODUP01_5-7 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	610		ug/kg	110	37.	1
Benzo(a)pyrene	430		ug/kg	150	46.	1
Benzo(b)fluoranthene	550		ug/kg	110	38.	1
Benzo(k)fluoranthene	200		ug/kg	110	36.	1
Chrysene	610		ug/kg	110	37.	1
Acenaphthylene	42	J	ug/kg	150	35.	1
Anthracene	380		ug/kg	110	31.	1
Benzo(ghi)perylene	200		ug/kg	150	39.	1
Fluorene	170	J	ug/kg	190	54.	1
Phenanthrene	1800		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	63	J	ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	240		ug/kg	150	42.	1
Pyrene	1200		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	110	J	ug/kg	190	63.	1
2-Methylnaphthalene	74	J	ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	160	J	ug/kg	190	40.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-17 Date Collected: 08/19/14 00:00

Client ID: F_SODUP01_5-7 Date Received: 08/19/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	250	76.	1
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	84		0-136
4-Terphenyl-d14	59		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-18
Client ID: F_SOFB01_081914
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/26/14 01:41
Analyst: PS

Date Collected: 08/19/14 15:45
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/21/14 13:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-18
Client ID: F_SOFB01_081914
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 15:45
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	89		41-149

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-18
Client ID: F_SOFB01_081914
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/23/14 15:53
Analyst: MW

Date Collected: 08/19/14 15:45
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/21/14 13:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.18	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-18
Client ID: F_SOFB01_081914
Sample Location: BROOKLYN, NY
Date Collected: 08/19/14 15:45
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	86		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/14 18:15
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-13,15-17 Batch: WG715710-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/14 18:15
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-13,15-17 Batch: WG715710-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/14 18:15
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/21/14 09:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-13,15-17 Batch: WG715710-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	85		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/14 20:44
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/21/14 13:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 18 Batch: WG715843-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/14 20:44
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/21/14 13:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 18 Batch: WG715843-1					
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/14 20:44
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/21/14 13:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 18 Batch: WG715843-1					
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	10	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	94		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/23/14 14:24
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 08/21/14 13:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 18 Batch: WG715845-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/23/14 14:24
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 08/21/14 13:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 18 Batch: WG715845-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	83		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/14 09:21
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/26/14 13:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 14 Batch: WG716948-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/14 09:21
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/26/14 13:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 14 Batch: WG716948-1					
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/14 09:21
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/26/14 13:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 14 Batch: WG716948-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	110		0-136
4-Terphenyl-d14	101		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/14 14:09
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/27/14 02:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG717108-1					
Acenaphthene	ND		ug/kg	130	33.
Benzidine	ND		ug/kg	530	130
n-Nitrosodimethylamine	ND		ug/kg	320	52.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Azobenzene	ND		ug/kg	160	43.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/14 14:09
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/27/14 02:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG717108-1					
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
Aniline	ND		ug/kg	190	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	44.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/14 14:09
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/27/14 02:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG717108-1					
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	220	52.
2,4-Dinitrophenol	ND		ug/kg	770	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	34.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	44.
Atrazine	ND		ug/kg	130	36.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	27.
Pyridine	ND		ug/kg	640	58.
Parathion, ethyl	ND		ug/kg	160	64.
1-Methylnaphthalene	ND		ug/kg	160	48.

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/14 14:09
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/27/14 02:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG717108-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	64		0-136
4-Terphenyl-d14	77		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13,15-17 Batch: WG715710-2 WG715710-3								
Acenaphthene	83		92		31-137	10		50
1,2,4-Trichlorobenzene	78		78		38-107	0		50
Hexachlorobenzene	86		95		40-140	10		50
Bis(2-chloroethyl)ether	84		83		40-140	1		50
2-Chloronaphthalene	87		92		40-140	6		50
1,2-Dichlorobenzene	79		80		40-140	1		50
1,3-Dichlorobenzene	76		77		40-140	1		50
1,4-Dichlorobenzene	77		77		28-104	0		50
3,3'-Dichlorobenzidine	45		53		40-140	16		50
2,4-Dinitrotoluene	**90**	Q	**101**	Q	28-89	12		50
2,6-Dinitrotoluene	93		105		40-140	12		50
Fluoranthene	86		95		40-140	10		50
4-Chlorophenyl phenyl ether	84		96		40-140	13		50
4-Bromophenyl phenyl ether	85		96		40-140	12		50
Bis(2-chloroisopropyl)ether	79		81		40-140	3		50
Bis(2-chloroethoxy)methane	88		90		40-117	2		50
Hexachlorobutadiene	81		81		40-140	0		50
Hexachlorocyclopentadiene	91		95		40-140	4		50
Hexachloroethane	79		82		40-140	4		50
Isophorone	88		94		40-140	7		50
Naphthalene	83		85		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13,15-17 Batch: WG715710-2 WG715710-3								
Nitrobenzene	85		88		40-140	3		50
NitrosoDiPhenylAmine(NDPA)/DPA	83		95			13		50
n-Nitrosodi-n-propylamine	83		87		32-121	5		50
Bis(2-Ethylhexyl)phthalate	87		100		40-140	14		50
Butyl benzyl phthalate	89		102		40-140	14		50
Di-n-butylphthalate	88		99		40-140	12		50
Di-n-octylphthalate	90		102		40-140	13		50
Diethyl phthalate	86		99		40-140	14		50
Dimethyl phthalate	86		98		40-140	13		50
Benzo(a)anthracene	84		93		40-140	10		50
Benzo(a)pyrene	83		91		40-140	9		50
Benzo(b)fluoranthene	83		91		40-140	9		50
Benzo(k)fluoranthene	83		91		40-140	9		50
Chrysene	87		95		40-140	9		50
Acenaphthylene	92		99		40-140	7		50
Anthracene	89		99		40-140	11		50
Benzo(ghi)perylene	80		85		40-140	6		50
Fluorene	85		95		40-140	11		50
Phenanthrene	84		94		40-140	11		50
Dibenzo(a,h)anthracene	80		88		40-140	10		50
Indeno(1,2,3-cd)Pyrene	79		85		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13,15-17 Batch: WG715710-2 WG715710-3								
Pyrene	85		96		35-142	12		50
Biphenyl	88		95			8		50
4-Chloroaniline	61		69		40-140	12		50
2-Nitroaniline	89		104		47-134	16		50
3-Nitroaniline	62		73		26-129	16		50
4-Nitroaniline	85		95		41-125	11		50
Dibenzofuran	81		90		40-140	11		50
2-Methylnaphthalene	81		85		40-140	5		50
1,2,4,5-Tetrachlorobenzene	83		87		40-117	5		50
Acetophenone	92		94		14-144	2		50
2,4,6-Trichlorophenol	92		100		30-130	8		50
P-Chloro-M-Cresol	90		101		26-103	12		50
2-Chlorophenol	82		82		25-102	0		50
2,4-Dichlorophenol	86		90		30-130	5		50
2,4-Dimethylphenol	94		97		30-130	3		50
2-Nitrophenol	79		84		30-130	6		50
4-Nitrophenol	88		105		11-114	18		50
2,4-Dinitrophenol	78		88		4-130	12		50
4,6-Dinitro-o-cresol	86		102		10-130	17		50
Pentachlorophenol	79		86		17-109	8		50
Phenol	82		84		26-90	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13,15-17 Batch: WG715710-2 WG715710-3								
2-Methylphenol	86		89		30-130.	3		50
3-Methylphenol/4-Methylphenol	86		89		30-130	3		50
2,4,5-Trichlorophenol	94		102		30-130	8		50
Benzoic Acid	27		27			0		50
Benzyl Alcohol	86		88		40-140	2		50
Carbazole	83		93		54-128	11		50
Benzaldehyde	79		80			1		50
Caprolactam	106		119			12		50
Atrazine	93		95			2		50
2,3,4,6-Tetrachlorophenol	93		107			14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	101		86		25-120
Phenol-d6	99		87		10-120
Nitrobenzene-d5	93		84		23-120
2-Fluorobiphenyl	97		87		30-120
2,4,6-Tribromophenol	98		93		0-136
4-Terphenyl-d14	95		88		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG715843-2 WG715843-3								
Acenaphthene	91		90		37-111	1		30
1,2,4-Trichlorobenzene	66		68		39-98	3		30
Hexachlorobenzene	97		95		40-140	2		30
Bis(2-chloroethyl)ether	81		82		40-140	1		30
2-Chloronaphthalene	87		90		40-140	3		30
1,2-Dichlorobenzene	66		68		40-140	3		30
1,3-Dichlorobenzene	63		64		40-140	2		30
1,4-Dichlorobenzene	64		64		36-97	0		30
3,3'-Dichlorobenzidine	74		78		40-140	5		30
2,4-Dinitrotoluene	**106**	Q	**104**	Q	24-96	2		30
2,6-Dinitrotoluene	106		103		40-140	3		30
Fluoranthene	102		99		40-140	3		30
4-Chlorophenyl phenyl ether	95		96		40-140	1		30
4-Bromophenyl phenyl ether	100		98		40-140	2		30
Bis(2-chloroisopropyl)ether	76		78		40-140	3		30
Bis(2-chloroethoxy)methane	86		88		40-140	2		30
Hexachlorobutadiene	67		67		40-140	0		30
Hexachlorocyclopentadiene	56		57		40-140	2		30
Hexachloroethane	64		67		40-140	5		30
Isophorone	90		94		40-140	4		30
Naphthalene	74		78		40-140	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG715843-2 WG715843-3								
Nitrobenzene	83		86		40-140	4		30
NitrosoDiPhenylAmine(NDPA)/DPA	95		91		40-140	4		30
n-Nitrosodi-n-propylamine	84		85		29-132	1		30
Bis(2-Ethylhexyl)phthalate	105		103		40-140	2		30
Butyl benzyl phthalate	107		104		40-140	3		30
Di-n-butylphthalate	106		103		40-140	3		30
Di-n-octylphthalate	107		104		40-140	3		30
Diethyl phthalate	103		100		40-140	3		30
Dimethyl phthalate	101		98		40-140	3		30
Benzo(a)anthracene	100		98		40-140	2		30
Benzo(a)pyrene	98		94		40-140	4		30
Benzo(b)fluoranthene	98		97		40-140	1		30
Benzo(k)fluoranthene	102		98		40-140	4		30
Chrysene	103		102		40-140	1		30
Acenaphthylene	94		96		45-123	2		30
Anthracene	102		99		40-140	3		30
Benzo(ghi)perylene	91		94		40-140	3		30
Fluorene	97		95		40-140	2		30
Phenanthrene	100		98		40-140	2		30
Dibenzo(a,h)anthracene	96		95		40-140	1		30
Indeno(1,2,3-cd)Pyrene	92		94		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

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Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG715843-2 WG715843-3								
Pyrene	102		100		26-127	2		30
Biphenyl	91		92			1		30
4-Chloroaniline	70		85		40-140	19		30
2-Nitroaniline	102		102		52-143	0		30
3-Nitroaniline	84		90		25-145	7		30
4-Nitroaniline	99		93		51-143	6		30
Dibenzofuran	90		89		40-140	1		30
2-Methylnaphthalene	77		79		40-140	3		30
1,2,4,5-Tetrachlorobenzene	81		84		2-134	4		30
Acetophenone	89		92		39-129	3		30
2,4,6-Trichlorophenol	95		95		30-130	0		30
P-Chloro-M-Cresol	94		96		23-97	2		30
2-Chlorophenol	74		75		27-123	1		30
2,4-Dichlorophenol	84		85		30-130	1		30
2,4-Dimethylphenol	79		44		30-130	**57**	Q	30
2-Nitrophenol	76		78		30-130	3		30
4-Nitrophenol	61		61		10-80	0		30
2,4-Dinitrophenol	89		88		20-130	1		30
4,6-Dinitro-o-cresol	103		101		20-164	2		30
Pentachlorophenol	88		89		9-103	1		30
Phenol	38		39		12-110	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG715843-2 WG715843-3								
2-Methylphenol	70		70		30-130	0		30
3-Methylphenol/4-Methylphenol	69		69		30-130	0		30
2,4,5-Trichlorophenol	97		100		30-130	3		30
Benzoic Acid	29		36			22		30
Benzyl Alcohol	72		77			7		30
Carbazole	99		95		55-144	4		30
Benzaldehyde	82		91		40-140	10		30
Caprolactam	34		36		10-130	6		30
Atrazine	104		100		40-140	4		30
2,3,4,6-Tetrachlorophenol	111		108		54-145	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		55		21-120
Phenol-d6	37		39		10-120
Nitrobenzene-d5	80		81		23-120
2-Fluorobiphenyl	85		86		15-120
2,4,6-Tribromophenol	100		93		10-120
4-Terphenyl-d14	96		93		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 18 Batch: WG715845-2 WG715845-3								
Acenaphthene	78		78		37-111	0		40
2-Chloronaphthalene	75		75		40-140	0		40
Fluoranthene	97		97		40-140	0		40
Hexachlorobutadiene	69		70		40-140	1		40
Naphthalene	72		71		40-140	1		40
Benzo(a)anthracene	111		114		40-140	3		40
Benzo(a)pyrene	94		102		40-140	8		40
Benzo(b)fluoranthene	99		106		40-140	7		40
Benzo(k)fluoranthene	92		102		40-140	10		40
Chrysene	99		103		40-140	4		40
Acenaphthylene	86		87		40-140	1		40
Anthracene	93		93		40-140	0		40
Benzo(ghi)perylene	90		99		40-140	10		40
Fluorene	84		87		40-140	4		40
Phenanthrene	88		88		40-140	0		40
Dibenzo(a,h)anthracene	93		103		40-140	10		40
Indeno(1,2,3-cd)Pyrene	89		100		40-140	12		40
Pyrene	99		100		26-127	1		40
2-Methylnaphthalene	78		78		40-140	0		40
Pentachlorophenol	94		99		9-103	5		40
Hexachlorobenzene	95		96		40-140	1		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 18 Batch: WG715845-2 WG715845-3								
Hexachloroethane	86		84		40-140	2		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		48		21-120
Phenol-d6	37		37		10-120
Nitrobenzene-d5	81		79		23-120
2-Fluorobiphenyl	78		82		15-120
2,4,6-Tribromophenol	90		95		10-120
4-Terphenyl-d14	84		89		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 14 Batch: WG716948-2 WG716948-3								
Acenaphthene	79		84		31-137	6		50
1,2,4-Trichlorobenzene	75		81		38-107	8		50
Hexachlorobenzene	92		95		40-140	3		50
Bis(2-chloroethyl)ether	73		74		40-140	1		50
2-Chloronaphthalene	80		87		40-140	8		50
1,2-Dichlorobenzene	72		75		40-140	4		50
1,3-Dichlorobenzene	70		74		40-140	6		50
1,4-Dichlorobenzene	70		74		28-104	6		50
3,3'-Dichlorobenzidine	62		64		40-140	3		50
2,4-Dinitrotoluene	**104**	Q	**109**	Q	28-89	5		50
2,6-Dinitrotoluene	101		112		40-140	10		50
Fluoranthene	84		86		40-140	2		50
4-Chlorophenyl phenyl ether	84		86		40-140	2		50
4-Bromophenyl phenyl ether	90		91		40-140	1		50
Bis(2-chloroisopropyl)ether	67		69		40-140	3		50
Bis(2-chloroethoxy)methane	67		78		40-117	15		50
Hexachlorobutadiene	85		92		40-140	8		50
Hexachlorocyclopentadiene	88		99		40-140	12		50
Hexachloroethane	81		85		40-140	5		50
Isophorone	74		78		40-140	5		50
Naphthalene	76		82		40-140	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 14 Batch: WG716948-2 WG716948-3								
Nitrobenzene	116		108		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	81		86			6		50
n-Nitrosodi-n-propylamine	73		76		32-121	4		50
Bis(2-Ethylhexyl)phthalate	85		89		40-140	5		50
Butyl benzyl phthalate	87		83		40-140	5		50
Di-n-butylphthalate	86		96		40-140	11		50
Di-n-octylphthalate	86		92		40-140	7		50
Diethyl phthalate	89		95		40-140	7		50
Dimethyl phthalate	86		87		40-140	1		50
Benzo(a)anthracene	80		85		40-140	6		50
Benzo(a)pyrene	88		93		40-140	6		50
Benzo(b)fluoranthene	77		92		40-140	18		50
Benzo(k)fluoranthene	79		91		40-140	14		50
Chrysene	85		89		40-140	5		50
Acenaphthylene	79		89		40-140	12		50
Anthracene	84		88		40-140	5		50
Benzo(ghi)perylene	87		91		40-140	4		50
Fluorene	83		88		40-140	6		50
Phenanthrene	84		87		40-140	4		50
Dibenzo(a,h)anthracene	90		94		40-140	4		50
Indeno(1,2,3-cd)Pyrene	84		86		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 14 Batch: WG716948-2 WG716948-3								
Pyrene	83		80		35-142	4		50
Biphenyl	86		84			2		50
4-Chloroaniline	67		72		40-140	7		50
2-Nitroaniline	92		99		47-134	7		50
3-Nitroaniline	55		55		26-129	0		50
4-Nitroaniline	78		81		41-125	4		50
Dibenzofuran	80		85		40-140	6		50
2-Methylnaphthalene	73		79		40-140	8		50
1,2,4,5-Tetrachlorobenzene	86		85		40-117	1		50
Acetophenone	83		90		14-144	8		50
2,4,6-Trichlorophenol	89		93		30-130	4		50
P-Chloro-M-Cresol	86		94		26-103	9		50
2-Chlorophenol	76		78		25-102	3		50
2,4-Dichlorophenol	80		86		30-130	7		50
2,4-Dimethylphenol	70		83		30-130	17		50
2-Nitrophenol	89		96		30-130	8		50
4-Nitrophenol	100		103		11-114	3		50
2,4-Dinitrophenol	100		89		4-130	12		50
4,6-Dinitro-o-cresol	97		98		10-130	1		50
Pentachlorophenol	100		105		17-109	5		50
Phenol	73		76		26-90	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 14 Batch: WG716948-2 WG716948-3								
2-Methylphenol	73		76		30-130.	4		50
3-Methylphenol/4-Methylphenol	82		83		30-130	1		50
2,4,5-Trichlorophenol	91		97		30-130	6		50
Benzoic Acid	72		41			**55**	Q	50
Benzyl Alcohol	78		83		40-140	6		50
Carbazole	78		81		54-128	4		50
Benzaldehyde	72		76			5		50
Caprolactam	85		89			5		50
Atrazine	94		103			9		50
2,3,4,6-Tetrachlorophenol	97		100			3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		97		25-120
Phenol-d6	75		82		10-120
Nitrobenzene-d5	109		109		23-120
2-Fluorobiphenyl	82		87		30-120
2,4,6-Tribromophenol	111		118		0-136
4-Terphenyl-d14	89		87		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG717108-2 WG717108-3								
Acenaphthene	73		72		31-137	1		50
Benzidine	37		50			30		50
n-Nitrosodimethylamine	65		61			6		50
1,2,4-Trichlorobenzene	70		65		38-107	7		50
Hexachlorobenzene	78		79		40-140	1		50
Bis(2-chloroethyl)ether	70		70		40-140	0		50
2-Chloronaphthalene	74		74		40-140	0		50
1,2-Dichlorobenzene	67		65		40-140	3		50
1,3-Dichlorobenzene	65		63		40-140	3		50
1,4-Dichlorobenzene	66		64		28-104	3		50
3,3'-Dichlorobenzidine	56		62		40-140	10		50
2,4-Dinitrotoluene	77		81		28-89	5		50
2,6-Dinitrotoluene	81		82		40-140	1		50
Fluoranthene	79		80		40-140	1		50
4-Chlorophenyl phenyl ether	78		76		40-140	3		50
4-Bromophenyl phenyl ether	80		80		40-140	0		50
Azobenzene	69		69		40-140	0		50
Bis(2-chloroisopropyl)ether	65		64		40-140	2		50
Bis(2-chloroethoxy)methane	73		72		40-117	1		50
Hexachlorobutadiene	69		66		40-140	4		50
Hexachlorocyclopentadiene	71		70		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG717108-2 WG717108-3								
Hexachloroethane	65		65		40-140	0		50
Isophorone	71		70		40-140	1		50
Naphthalene	73		70		40-140	4		50
Nitrobenzene	75		73		40-140	3		50
NitrosoDiPhenylAmine(NDPA)/DPA	74		75			1		50
n-Nitrosodi-n-propylamine	67		68		32-121	1		50
Bis(2-Ethylhexyl)phthalate	76		80		40-140	5		50
Butyl benzyl phthalate	84		88		40-140	5		50
Di-n-butylphthalate	76		80		40-140	5		50
Di-n-octylphthalate	76		78		40-140	3		50
Diethyl phthalate	75		78		40-140	4		50
Dimethyl phthalate	77		76		40-140	1		50
Benzo(a)anthracene	75		76		40-140	1		50
Benzo(a)pyrene	78		83		40-140	6		50
Benzo(b)fluoranthene	74		77		40-140	4		50
Benzo(k)fluoranthene	80		82		40-140	2		50
Chrysene	78		77		40-140	1		50
Acenaphthylene	74		76		40-140	3		50
Anthracene	76		79		40-140	4		50
Benzo(ghi)perylene	79		83		40-140	5		50
Fluorene	74		76		40-140	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG717108-2 WG717108-3								
Phenanthrene	74		74		40-140	0		50
Dibenzo(a,h)anthracene	77		84		40-140	9		50
Indeno(1,2,3-cd)Pyrene	78		83		40-140	6		50
Pyrene	79		81		35-142	3		50
Biphenyl	85		80			6		50
Aniline	42		51		40-140	19		50
4-Chloroaniline	54		70		40-140	26		50
2-Nitroaniline	79		80		47-134	1		50
3-Nitroaniline	60		70		26-129	15		50
4-Nitroaniline	78		81		41-125	4		50
Dibenzofuran	74		72		40-140	3		50
2-Methylnaphthalene	74		71		40-140	4		50
1,2,4,5-Tetrachlorobenzene	80		77		40-117	4		50
Acetophenone	80		80		14-144	0		50
2,4,6-Trichlorophenol	79		78		30-130	1		50
P-Chloro-M-Cresol	79		79		26-103	0		50
2-Chlorophenol	73		70		25-102	4		50
2,4-Dichlorophenol	81		79		30-130	3		50
2,4-Dimethylphenol	73		75		30-130	3		50
2-Nitrophenol	71		73		30-130	3		50
4-Nitrophenol	79		79		11-114	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG717108-2 WG717108-3								
2,4-Dinitrophenol	53		58		4-130	9		50
4,6-Dinitro-o-cresol	70		72		10-130	3		50
Pentachlorophenol	68		70		17-109	3		50
Phenol	75		74		26-90	1		50
2-Methylphenol	72		72		30-130.	0		50
3-Methylphenol/4-Methylphenol	74		79		30-130	7		50
2,4,5-Trichlorophenol	77		78		30-130	1		50
Benzoic Acid	40		44			10		50
Benzyl Alcohol	69		76		40-140	10		50
Carbazole	77		77		54-128	0		50
Benzaldehyde	77		73			5		50
Caprolactam	86		90			5		50
Atrazine	87		91			4		50
2,3,4,6-Tetrachlorophenol	79		78			1		50
Pyridine	52		52		10-93	0		50
Parathion, ethyl	101		109		40-140	8		50
1-Methylnaphthalene	70		66		26-130	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG717108-2 WG717108-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		80		25-120
Phenol-d6	84		83		10-120
Nitrobenzene-d5	79		80		23-120
2-Fluorobiphenyl	81		79		30-120
2,4,6-Tribromophenol	78		78		0-136
4-Terphenyl-d14	87		88		18-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13,15-17 QC Batch ID: WG715710-4 WG715710-5 QC Sample: L1418860-12 Client ID: SB-43_6-8												
Acenaphthene	56.J	1380	1300	94		1400	100		31-137	7		50
1,2,4-Trichlorobenzene	ND	1380	1100	80		990	72		38-107	11		50
Hexachlorobenzene	ND	1380	1200	87		1100	80		40-140	9		50
Bis(2-chloroethyl)ether	ND	1380	1000	72		940	68		40-140	6		50
2-Chloronaphthalene	ND	1380	1100	80		1000	73		40-140	10		50
1,2-Dichlorobenzene	ND	1380	990	72		910	66		40-140	8		50
1,3-Dichlorobenzene	ND	1380	960	69		880	64		40-140	9		50
1,4-Dichlorobenzene	ND	1380	980	71		890	65		28-104	10		50
3,3'-Dichlorobenzidine	ND	1380	900	65		710	52		40-140	24		50
2,4-Dinitrotoluene	ND	1380	1500	**110**	Q	1400	**100**	Q	28-89	7		50
2,6-Dinitrotoluene	ND	1380	1400	100		1300	95		40-140	7		50
Fluoranthene	710	1380	2700	140		3800	**220**	Q	40-140	34		50
4-Chlorophenyl phenyl ether	ND	1380	1200	87		1100	80		40-140	9		50
4-Bromophenyl phenyl ether	ND	1380	1200	87		1100	80		40-140	9		50
Bis(2-chloroisopropyl)ether	ND	1380	980	71		880	64		40-140	11		50
Bis(2-chloroethoxy)methane	ND	1380	1100	80		970	71		40-117	13		50
Hexachlorobutadiene	ND	1380	1200	87		1100	80		40-140	9		50
Hexachlorocyclopentadiene	ND	1380	1100	80		860	63		40-140	24		50
Hexachloroethane	ND	1380	1100	80		990	72		40-140	11		50
Isophorone	ND	1380	1100	80		970	71		40-140	13		50
Naphthalene	ND	1380	1200	87		1100	80		40-140	9		50

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13,15-17 QC Batch ID: WG715710-4 WG715710-5 QC Sample: L1418860-12 Client ID: SB-43_6-8												
Nitrobenzene	ND	1380	1500	110		1400	100		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	ND	1380	1200	87		1000	73			18		50
n-Nitrosodi-n-propylamine	ND	1380	1000	72		940	68		32-121	6		50
Bis(2-Ethylhexyl)phthalate	ND	1380	1200	87		1100	80		40-140	9		50
Butyl benzyl phthalate	ND	1380	1200	87		1100	80		40-140	9		50
Di-n-butylphthalate	ND	1380	1200	87		1100	80		40-140	9		50
Di-n-octylphthalate	ND	1380	1300	94		1200	87		40-140	8		50
Diethyl phthalate	ND	1380	1200	87		1200	87		40-140	0		50
Dimethyl phthalate	ND	1380	1200	87		1100	80		40-140	9		50
Benzo(a)anthracene	350	1380	1900	110		2300	140		40-140	19		50
Benzo(a)pyrene	280	1380	1900	120		2300	**150**	Q	40-140	19		50
Benzo(b)fluoranthene	360	1380	1800	100		2500	**160**	Q	40-140	33		50
Benzo(k)fluoranthene	130	1380	1600	110		1700	110		40-140	6		50
Chrysene	340	1380	1900	110		2500	**160**	Q	40-140	27		50
Acenaphthylene	46.J	1380	1200	87		1100	80		40-140	9		50
Anthracene	140	1380	1500	98		1800	120		40-140	18		50
Benzo(ghi)perylene	160	1380	1600	100		1700	110		40-140	6		50
Fluorene	60.J	1380	1300	94		1400	100		40-140	7		50
Phenanthrene	590	1380	2500	140		4100	**260**	Q	40-140	48		50
Dibenzo(a,h)anthracene	40.J	1380	1400	100		1100	80		40-140	24		50
Indeno(1,2,3-cd)Pyrene	170	1380	1600	100		1700	110		40-140	6		50

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13,15-17 QC Batch ID: WG715710-4 WG715710-5 QC Sample: L1418860-12 Client ID: SB-43_6-8												
Pyrene	610	1380	2400	130		3300	**200**	Q	35-142	32		50
Biphenyl	ND	1380	1200	87		1200	87			0		50
4-Chloroaniline	ND	1380	1000	72		860	63		40-140	15		50
2-Nitroaniline	ND	1380	1400	100		1200	87		47-134	15		50
3-Nitroaniline	ND	1380	1100	80		900	65		26-129	20		50
4-Nitroaniline	ND	1380	1200	87		1000	73		41-125	18		50
Dibenzofuran	ND	1380	1200	87		1200	87		40-140	0		50
2-Methylnaphthalene	ND	1380	1100	80		1000	73		40-140	10		50
1,2,4,5-Tetrachlorobenzene	ND	1380	1200	87		1200	87		40-117	0		50
Acetophenone	ND	1380	1200	87		1100	80		14-144	9		50
2,4,6-Trichlorophenol	ND	1380	1200	87		1100	80		30-130	9		50
P-Chloro-M-Cresol	ND	1380	1300	94		1100	80		26-103	17		50
2-Chlorophenol	ND	1380	1000	72		960	70		25-102	4		50
2,4-Dichlorophenol	ND	1380	1200	87		1100	80		30-130	9		50
2,4-Dimethylphenol	ND	1380	1000	72		970	71		30-130	3		50
2-Nitrophenol	ND	1380	1200	87		1100	80		30-130	9		50
4-Nitrophenol	ND	1380	990	72		930	68		11-114	6		50
2,4-Dinitrophenol	ND	1380	370J	27		350J	25		4-130	6		50
4,6-Dinitro-o-cresol	ND	1380	620	45		580	42		10-130	7		50
Pentachlorophenol	ND	1380	920	67		820	60		17-109	11		50
Phenol	ND	1380	1000	72		930	68		26-90	7		50

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-13,15-17 QC Batch ID: WG715710-4 WG715710-5 QC Sample: L1418860-12 Client ID: SB-43_6-8												
2-Methylphenol	ND	1380	1000	72		930	68		30-130.	7		50
3-Methylphenol/4-Methylphenol	ND	1380	1100	80		1000	73		30-130	10		50
2,4,5-Trichlorophenol	ND	1380	1300	94		1200	87		30-130	8		50
Benzoic Acid	ND	1380	ND	0	Q	ND	0	Q		NC		50
Benzyl Alcohol	ND	1380	1100	80		1000	73		40-140	10		50
Carbazole	49.J	1380	1200	87		1300	95		54-128	8		50
Benzaldehyde	ND	1380	1100	80		1000	73			10		50
Caprolactam	ND	1380	1200	87		1000	73			18		50
Atrazine	ND	1380	1300	94		1100	80			17		50
2,3,4,6-Tetrachlorophenol	ND	1380	1100	80		1100	80			0		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	112		99		0-136
2-Fluorobiphenyl	77		68		30-120
2-Fluorophenol	73		65		25-120
4-Terphenyl-d14	80		68		18-120
Nitrobenzene-d5	98		87		23-120
Phenol-d6	74		67		10-120

PCBS

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-01	Date Collected:	08/19/14 10:55
Client ID:	SB-38_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/21/14 16:34
Analytical Date:	08/22/14 19:25	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/22/14
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/22/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	2.87	1	A
Aroclor 1221	ND		ug/kg	36.3	3.35	1	A
Aroclor 1232	ND		ug/kg	36.3	4.26	1	A
Aroclor 1242	ND		ug/kg	36.3	4.44	1	A
Aroclor 1248	96.3		ug/kg	36.3	3.06	1	B
Aroclor 1254	73.5		ug/kg	36.3	2.98	1	B
Aroclor 1260	124		ug/kg	36.3	2.77	1	B
Aroclor 1262	ND		ug/kg	36.3	1.80	1	A
Aroclor 1268	ND		ug/kg	36.3	5.27	1	A
PCBs, Total	294		ug/kg	36.3	1.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-02	Date Collected:	08/19/14 11:00
Client ID:	SB-38_3-5	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/21/14 16:34
Analytical Date:	08/22/14 19:39	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/22/14
Percent Solids:	93%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/22/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	2.82	1	A
Aroclor 1221	ND		ug/kg	35.7	3.30	1	A
Aroclor 1232	ND		ug/kg	35.7	4.19	1	A
Aroclor 1242	ND		ug/kg	35.7	4.38	1	A
Aroclor 1248	ND		ug/kg	35.7	3.02	1	A
Aroclor 1254	ND		ug/kg	35.7	2.94	1	A
Aroclor 1260	15.3	J	ug/kg	35.7	2.72	1	B
Aroclor 1262	ND		ug/kg	35.7	1.77	1	A
Aroclor 1268	ND		ug/kg	35.7	5.18	1	A
PCBs, Total	15.3	J	ug/kg	35.7	1.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-03	Date Collected:	08/19/14 13:50
Client ID:	SB-39_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/21/14 16:34
Analytical Date:	08/22/14 19:52	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/22/14
Percent Solids:	89%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/22/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	2.94	1	A
Aroclor 1221	ND		ug/kg	37.2	3.43	1	A
Aroclor 1232	ND		ug/kg	37.2	4.36	1	A
Aroclor 1242	ND		ug/kg	37.2	4.56	1	A
Aroclor 1248	ND		ug/kg	37.2	3.14	1	A
Aroclor 1254	ND		ug/kg	37.2	3.06	1	A
Aroclor 1260	14.8	J	ug/kg	37.2	2.84	1	B
Aroclor 1262	ND		ug/kg	37.2	1.85	1	A
Aroclor 1268	ND		ug/kg	37.2	5.40	1	A
PCBs, Total	14.8	J	ug/kg	37.2	1.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-04	Date Collected:	08/19/14 13:55
Client ID:	SB-39_5-7	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/21/14 16:34
Analytical Date:	08/22/14 20:06	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/22/14
Percent Solids:	83%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/22/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.9	3.07	1	A
Aroclor 1221	ND		ug/kg	38.9	3.59	1	A
Aroclor 1232	ND		ug/kg	38.9	4.56	1	A
Aroclor 1242	ND		ug/kg	38.9	4.76	1	A
Aroclor 1248	ND		ug/kg	38.9	3.28	1	A
Aroclor 1254	ND		ug/kg	38.9	3.20	1	A
Aroclor 1260	ND		ug/kg	38.9	2.96	1	A
Aroclor 1262	ND		ug/kg	38.9	1.93	1	A
Aroclor 1268	ND		ug/kg	38.9	5.64	1	A
PCBs, Total	ND		ug/kg	38.9	1.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-05	Date Collected:	08/19/14 10:00
Client ID:	SB-40_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/21/14 16:34
Analytical Date:	08/22/14 20:20	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/22/14
Percent Solids:	97%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/22/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.1	2.62	1	A
Aroclor 1221	ND		ug/kg	33.1	3.06	1	A
Aroclor 1232	ND		ug/kg	33.1	3.88	1	A
Aroclor 1242	ND		ug/kg	33.1	4.06	1	A
Aroclor 1248	ND		ug/kg	33.1	2.80	1	A
Aroclor 1254	ND		ug/kg	33.1	2.72	1	A
Aroclor 1260	ND		ug/kg	33.1	2.52	1	A
Aroclor 1262	ND		ug/kg	33.1	1.64	1	A
Aroclor 1268	ND		ug/kg	33.1	4.80	1	A
PCBs, Total	ND		ug/kg	33.1	1.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-06	Date Collected:	08/19/14 10:05
Client ID:	SB-40_5-7	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/21/14 16:34
Analytical Date:	08/22/14 20:33	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/22/14
Percent Solids:	92%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/22/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	2.75	1	A
Aroclor 1221	ND		ug/kg	34.8	3.20	1	A
Aroclor 1232	ND		ug/kg	34.8	4.07	1	A
Aroclor 1242	ND		ug/kg	34.8	4.25	1	A
Aroclor 1248	ND		ug/kg	34.8	2.93	1	A
Aroclor 1254	ND		ug/kg	34.8	2.86	1	A
Aroclor 1260	ND		ug/kg	34.8	2.65	1	A
Aroclor 1262	ND		ug/kg	34.8	1.72	1	A
Aroclor 1268	ND		ug/kg	34.8	5.04	1	A
PCBs, Total	ND		ug/kg	34.8	1.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-07	Date Collected:	08/19/14 12:15
Client ID:	SB-41_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/21/14 16:34
Analytical Date:	08/22/14 20:47	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/22/14
Percent Solids:	90%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/22/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	2.79	1	A
Aroclor 1221	ND		ug/kg	35.3	3.26	1	A
Aroclor 1232	ND		ug/kg	35.3	4.14	1	A
Aroclor 1242	ND		ug/kg	35.3	4.32	1	A
Aroclor 1248	ND		ug/kg	35.3	2.98	1	A
Aroclor 1254	24.3	J	ug/kg	35.3	2.90	1	B
Aroclor 1260	24.7	J	ug/kg	35.3	2.69	1	B
Aroclor 1262	ND		ug/kg	35.3	1.75	1	A
Aroclor 1268	ND		ug/kg	35.3	5.12	1	A
PCBs, Total	49.0	J	ug/kg	35.3	1.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-08	Date Collected:	08/19/14 12:20
Client ID:	SB-41_7-9	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/21/14 16:34
Analytical Date:	08/22/14 21:01	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/22/14
Percent Solids:	82%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/22/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.6	3.12	1	A
Aroclor 1221	ND		ug/kg	39.6	3.65	1	A
Aroclor 1232	ND		ug/kg	39.6	4.64	1	A
Aroclor 1242	ND		ug/kg	39.6	4.84	1	A
Aroclor 1248	ND		ug/kg	39.6	3.34	1	A
Aroclor 1254	ND		ug/kg	39.6	3.25	1	A
Aroclor 1260	ND		ug/kg	39.6	3.01	1	A
Aroclor 1262	ND		ug/kg	39.6	1.96	1	A
Aroclor 1268	ND		ug/kg	39.6	5.74	1	A
PCBs, Total	ND		ug/kg	39.6	1.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-09	Date Collected:	08/19/14 10:20
Client ID:	SB-42_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/21/14 16:34
Analytical Date:	08/22/14 21:14	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/22/14
Percent Solids:	99%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/22/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	32.7	2.58	1	A
Aroclor 1221	ND		ug/kg	32.7	3.01	1	A
Aroclor 1232	ND		ug/kg	32.7	3.83	1	A
Aroclor 1242	ND		ug/kg	32.7	4.00	1	A
Aroclor 1248	ND		ug/kg	32.7	2.76	1	A
Aroclor 1254	ND		ug/kg	32.7	2.69	1	A
Aroclor 1260	7.67	J	ug/kg	32.7	2.49	1	B
Aroclor 1262	ND		ug/kg	32.7	1.62	1	A
Aroclor 1268	ND		ug/kg	32.7	4.74	1	A
PCBs, Total	7.67	J	ug/kg	32.7	1.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-10	Date Collected:	08/19/14 10:25
Client ID:	SB-42_6-8	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/21/14 16:34
Analytical Date:	08/22/14 21:28	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/22/14
Percent Solids:	90%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/22/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	2.77	1	A
Aroclor 1221	ND		ug/kg	35.1	3.23	1	A
Aroclor 1232	ND		ug/kg	35.1	4.11	1	A
Aroclor 1242	ND		ug/kg	35.1	4.29	1	A
Aroclor 1248	ND		ug/kg	35.1	2.96	1	A
Aroclor 1254	ND		ug/kg	35.1	2.88	1	A
Aroclor 1260	ND		ug/kg	35.1	2.67	1	A
Aroclor 1262	ND		ug/kg	35.1	1.74	1	A
Aroclor 1268	ND		ug/kg	35.1	5.08	1	A
PCBs, Total	ND		ug/kg	35.1	1.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-11	Date Collected:	08/19/14 09:45
Client ID:	SB-43_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/21/14 16:34
Analytical Date:	08/22/14 21:42	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/22/14
Percent Solids:	76%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/22/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.2	3.33	1	A
Aroclor 1221	ND		ug/kg	42.2	3.89	1	A
Aroclor 1232	ND		ug/kg	42.2	4.95	1	A
Aroclor 1242	ND		ug/kg	42.2	5.16	1	A
Aroclor 1248	ND		ug/kg	42.2	3.56	1	A
Aroclor 1254	19.4	J	ug/kg	42.2	3.47	1	B
Aroclor 1260	38.9	J	ug/kg	42.2	3.22	1	B
Aroclor 1262	ND		ug/kg	42.2	2.09	1	A
Aroclor 1268	ND		ug/kg	42.2	6.12	1	A
PCBs, Total	58.3	J	ug/kg	42.2	2.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-12	Date Collected:	08/19/14 09:50
Client ID:	SB-43_6-8	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/23/14 22:07	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	94%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	2.80	1	A
Aroclor 1221	ND		ug/kg	35.4	3.26	1	A
Aroclor 1232	ND		ug/kg	35.4	4.15	1	A
Aroclor 1242	ND		ug/kg	35.4	4.33	1	A
Aroclor 1248	ND		ug/kg	35.4	2.99	1	A
Aroclor 1254	ND		ug/kg	35.4	2.91	1	A
Aroclor 1260	ND		ug/kg	35.4	2.70	1	A
Aroclor 1262	ND		ug/kg	35.4	1.76	1	A
Aroclor 1268	ND		ug/kg	35.4	5.13	1	A
PCBs, Total	ND		ug/kg	35.4	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-13	Date Collected:	08/19/14 13:20
Client ID:	SB-44_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/23/14 22:19	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	90%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	2.90	1	A
Aroclor 1221	ND		ug/kg	36.7	3.39	1	A
Aroclor 1232	ND		ug/kg	36.7	4.30	1	A
Aroclor 1242	ND		ug/kg	36.7	4.50	1	A
Aroclor 1248	ND		ug/kg	36.7	3.10	1	A
Aroclor 1254	ND		ug/kg	36.7	3.02	1	A
Aroclor 1260	34.0	J	ug/kg	36.7	2.80	1	B
Aroclor 1262	ND		ug/kg	36.7	1.82	1	A
Aroclor 1268	ND		ug/kg	36.7	5.33	1	A
PCBs, Total	34.0	J	ug/kg	36.7	1.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-14	Date Collected:	08/19/14 13:25
Client ID:	SB-44_3-5	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/23/14 22:32	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	89%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	2.77	1	A
Aroclor 1221	ND		ug/kg	35.1	3.23	1	A
Aroclor 1232	ND		ug/kg	35.1	4.11	1	A
Aroclor 1242	ND		ug/kg	35.1	4.29	1	A
Aroclor 1248	ND		ug/kg	35.1	2.96	1	A
Aroclor 1254	ND		ug/kg	35.1	2.88	1	A
Aroclor 1260	ND		ug/kg	35.1	2.67	1	A
Aroclor 1262	ND		ug/kg	35.1	1.74	1	A
Aroclor 1268	ND		ug/kg	35.1	5.08	1	A
PCBs, Total	ND		ug/kg	35.1	1.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-15	Date Collected:	08/19/14 13:35
Client ID:	SB-45_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/23/14 22:44	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	91%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	2.86	1	A
Aroclor 1221	ND		ug/kg	36.2	3.34	1	A
Aroclor 1232	ND		ug/kg	36.2	4.24	1	A
Aroclor 1242	ND		ug/kg	36.2	4.43	1	A
Aroclor 1248	ND		ug/kg	36.2	3.05	1	A
Aroclor 1254	17.5	J	ug/kg	36.2	2.98	1	B
Aroclor 1260	63.2		ug/kg	36.2	2.76	1	B
Aroclor 1262	ND		ug/kg	36.2	1.80	1	A
Aroclor 1268	ND		ug/kg	36.2	5.25	1	A
PCBs, Total	80.7	J	ug/kg	36.2	1.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-16	Date Collected:	08/19/14 13:40
Client ID:	SB-45_3-5	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/23/14 22:56	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	82%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	3.08	1	A
Aroclor 1221	ND		ug/kg	39.0	3.60	1	A
Aroclor 1232	ND		ug/kg	39.0	4.57	1	A
Aroclor 1242	ND		ug/kg	39.0	4.78	1	A
Aroclor 1248	ND		ug/kg	39.0	3.29	1	A
Aroclor 1254	ND		ug/kg	39.0	3.21	1	A
Aroclor 1260	ND		ug/kg	39.0	2.97	1	A
Aroclor 1262	ND		ug/kg	39.0	1.94	1	A
Aroclor 1268	ND		ug/kg	39.0	5.66	1	A
PCBs, Total	ND		ug/kg	39.0	1.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-17	Date Collected:	08/19/14 00:00
Client ID:	F_SODUP01_5-7	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/23/14 23:09	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	2.92	1	A
Aroclor 1221	ND		ug/kg	37.0	3.41	1	A
Aroclor 1232	ND		ug/kg	37.0	4.33	1	A
Aroclor 1242	ND		ug/kg	37.0	4.52	1	A
Aroclor 1248	ND		ug/kg	37.0	3.12	1	A
Aroclor 1254	ND		ug/kg	37.0	3.04	1	A
Aroclor 1260	ND		ug/kg	37.0	2.82	1	A
Aroclor 1262	ND		ug/kg	37.0	1.83	1	A
Aroclor 1268	ND		ug/kg	37.0	5.36	1	A
PCBs, Total	ND		ug/kg	37.0	1.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-18	Date Collected:	08/19/14 15:45
Client ID:	F_SOFB01_081914	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/22/14 17:14
Analytical Date:	08/24/14 22:41	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/24/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/24/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	55		30-150	A

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/22/14 21:56
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 08/21/14 16:34
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-11 Batch: WG715900-1						
Aroclor 1016	ND		ug/kg	32.0	2.52	A
Aroclor 1221	ND		ug/kg	32.0	2.95	A
Aroclor 1232	ND		ug/kg	32.0	3.75	A
Aroclor 1242	ND		ug/kg	32.0	3.91	A
Aroclor 1248	ND		ug/kg	32.0	2.70	A
Aroclor 1254	ND		ug/kg	32.0	2.63	A
Aroclor 1260	ND		ug/kg	32.0	2.44	A
Aroclor 1262	ND		ug/kg	32.0	1.58	A
Aroclor 1268	ND		ug/kg	32.0	4.64	A
PCBs, Total	ND		ug/kg	32.0	1.58	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/24/14 01:37
Analyst: TQ

Extraction Method: EPA 3546
Extraction Date: 08/22/14 16:55
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 12-17 Batch: WG716238-1						
Aroclor 1016	ND		ug/kg	31.3	2.47	A
Aroclor 1221	ND		ug/kg	31.3	2.89	A
Aroclor 1232	ND		ug/kg	31.3	3.67	A
Aroclor 1242	ND		ug/kg	31.3	3.83	A
Aroclor 1248	ND		ug/kg	31.3	2.64	A
Aroclor 1254	ND		ug/kg	31.3	2.57	A
Aroclor 1260	ND		ug/kg	31.3	2.38	A
Aroclor 1262	ND		ug/kg	31.3	1.55	A
Aroclor 1268	ND		ug/kg	31.3	4.54	A
PCBs, Total	ND		ug/kg	31.3	1.55	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/25/14 00:56
Analyst: TQ

Extraction Method: EPA 3510C
Extraction Date: 08/22/14 17:14
Cleanup Method: EPA 3665A
Cleanup Date: 08/24/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/24/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 18 Batch: WG716244-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	67		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12-17 QC Batch ID: WG716238-4 WG716238-5 QC Sample: L1418860-12 Client ID: SB-43_6-8													
Aroclor 1016	ND	217	121	56		120	56		40-140	1		50	A
Aroclor 1260	ND	217	91.8	42		97.1	45		40-140	6		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		55		30-150	A
Decachlorobiphenyl	44		44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		60		30-150	B
Decachlorobiphenyl	54		58		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12-17 QC Batch ID: WG716238-6 WG716238-7 QC Sample: L1418990-08 Client ID: MS Sample													
Aroclor 1016	ND	208	136	66		131	61		40-140	4		50	A
Aroclor 1260	ND	208	110	53		110	51		40-140	0		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		70		30-150	A
Decachlorobiphenyl	47		49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		59		30-150	B
Decachlorobiphenyl	53		52		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12-17 QC Batch ID: WG716238-8 WG716238-9 QC Sample: L1418996-03 Client ID: MS Sample													
Aroclor 1016	ND	227	114	50		100	45		40-140	13		50	A
Aroclor 1260	ND	227	104	46		91.6	41		40-140	13		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		50		30-150	A
Decachlorobiphenyl	47		49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		50		30-150	B
Decachlorobiphenyl	60		52		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-11 Batch: WG715900-2 WG715900-3									
Aroclor 1016	73		71		40-140	3		50	A
Aroclor 1260	79		78		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		78		30-150	A
Decachlorobiphenyl	95		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		72		30-150	B
Decachlorobiphenyl	105		98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12-17 Batch: WG716238-2 WG716238-3									
Aroclor 1016	62		**32**	Q	40-140	**64**	Q	50	A
Aroclor 1260	51		**24**	Q	40-140	**72**	Q	50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		31		30-150	A
Decachlorobiphenyl	48		**23**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		35		30-150	B
Decachlorobiphenyl	55		**25**	Q	30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 18 Batch: WG716244-2 WG716244-3									
Aroclor 1016	66		64		40-140	2		50	A
Aroclor 1260	68		68		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		76		30-150	B
Decachlorobiphenyl	70		68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		61		30-150	A
Decachlorobiphenyl	62		61		30-150	A

PESTICIDES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-01	Date Collected:	08/19/14 10:55
Client ID:	SB-38_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:36
Analytical Date:	08/25/14 23:08	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.347	1	A
Lindane	ND		ug/kg	0.738	0.330	1	A
Alpha-BHC	ND		ug/kg	0.738	0.210	1	A
Beta-BHC	ND		ug/kg	1.77	0.672	1	A
Heptachlor	ND		ug/kg	0.886	0.397	1	A
Aldrin	ND		ug/kg	1.77	0.624	1	A
Heptachlor epoxide	ND		ug/kg	3.32	0.997	1	A
Endrin	ND		ug/kg	0.738	0.303	1	A
Endrin ketone	ND		ug/kg	1.77	0.456	1	A
Dieldrin	ND		ug/kg	1.11	0.554	1	A
4,4'-DDE	ND		ug/kg	1.77	0.410	1	A
4,4'-DDD	ND		ug/kg	1.77	0.632	1	A
4,4'-DDT	ND		ug/kg	3.32	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.419	1	A
Endosulfan II	ND		ug/kg	1.77	0.592	1	A
Endosulfan sulfate	ND		ug/kg	0.738	0.352	1	A
Methoxychlor	ND		ug/kg	3.32	1.03	1	A
Toxaphene	ND		ug/kg	33.2	9.30	1	A
cis-Chlordane	ND		ug/kg	2.22	0.617	1	A
trans-Chlordane	ND		ug/kg	2.22	0.585	1	A
Chlordane	ND		ug/kg	14.4	5.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	138		30-150	B
Decachlorobiphenyl	112		30-150	B
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	116		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-01	Date Collected:	08/19/14 10:55
Client ID:	SB-38_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/20/14 18:20
Analytical Date:	08/22/14 08:17		
Analyst:	SH		
Percent Solids:	87%		
Methylation Date:	08/21/14 07:07		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	22.6	1	A
2,4,5-T	ND		ug/kg	186	11.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	10.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	80		30-150	A
DCAA	79		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-02	Date Collected:	08/19/14 11:00
Client ID:	SB-38_3-5	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:36
Analytical Date:	08/25/14 23:24	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.335	1	A
Lindane	ND		ug/kg	0.713	0.319	1	A
Alpha-BHC	ND		ug/kg	0.713	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.649	1	A
Heptachlor	ND		ug/kg	0.856	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.603	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.963	1	A
Endrin	ND		ug/kg	0.713	0.292	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.535	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.611	1	A
4,4'-DDT	2.97	J	ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.713	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	0.999	1	A
Toxaphene	ND		ug/kg	32.1	8.99	1	A
cis-Chlordane	ND		ug/kg	2.14	0.596	1	A
trans-Chlordane	ND		ug/kg	2.14	0.565	1	A
Chlordane	ND		ug/kg	13.9	5.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	114		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	95		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-02	Date Collected:	08/19/14 11:00
Client ID:	SB-38_3-5	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/20/14 18:20
Analytical Date:	08/22/14 08:38		
Analyst:	SH		
Percent Solids:	93%		
Methylation Date:	08/21/14 07:07		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	174	21.2	1	A
2,4,5-T	ND		ug/kg	174	10.9	1	A
2,4,5-TP (Silvex)	ND		ug/kg	174	9.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	57		30-150	A
DCAA	56		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-03	Date Collected:	08/19/14 13:50
Client ID:	SB-39_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:36
Analytical Date:	08/25/14 23:40	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.348	1	A
Lindane	ND		ug/kg	0.741	0.331	1	A
Alpha-BHC	ND		ug/kg	0.741	0.210	1	A
Beta-BHC	ND		ug/kg	1.78	0.674	1	A
Heptachlor	ND		ug/kg	0.889	0.398	1	A
Aldrin	ND		ug/kg	1.78	0.626	1	A
Heptachlor epoxide	ND		ug/kg	3.33	1.00	1	A
Endrin	ND		ug/kg	0.741	0.304	1	A
Endrin ketone	ND		ug/kg	1.78	0.458	1	A
Dieldrin	ND		ug/kg	1.11	0.556	1	A
4,4'-DDE	13.0		ug/kg	1.78	0.411	1	A
4,4'-DDD	ND		ug/kg	1.78	0.634	1	A
4,4'-DDT	30.2	P	ug/kg	3.33	1.43	1	B
Endosulfan I	ND		ug/kg	1.78	0.420	1	A
Endosulfan II	ND		ug/kg	1.78	0.594	1	A
Endosulfan sulfate	ND		ug/kg	0.741	0.352	1	A
Methoxychlor	ND		ug/kg	3.33	1.04	1	A
Toxaphene	ND		ug/kg	33.3	9.33	1	A
cis-Chlordane	ND		ug/kg	2.22	0.619	1	A
trans-Chlordane	ND		ug/kg	2.22	0.587	1	A
Chlordane	ND		ug/kg	14.4	5.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	130		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	115		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-03	Date Collected:	08/19/14 13:50
Client ID:	SB-39_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/20/14 18:20
Analytical Date:	08/22/14 08:59		
Analyst:	SH		
Percent Solids:	89%		
Methylation Date:	08/21/14 07:07		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	184	22.4	1	A
2,4,5-T	ND		ug/kg	184	11.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	94		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-04	Date Collected:	08/19/14 13:55
Client ID:	SB-39_5-7	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:36
Analytical Date:	08/26/14 02:36	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.756	0.338	1	A
Alpha-BHC	ND		ug/kg	0.756	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.688	1	A
Heptachlor	ND		ug/kg	0.908	0.407	1	A
Aldrin	ND		ug/kg	1.82	0.639	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.756	0.310	1	A
Endrin ketone	ND		ug/kg	1.82	0.468	1	A
Dieldrin	ND		ug/kg	1.13	0.567	1	A
4,4'-DDE	ND		ug/kg	1.82	0.420	1	A
4,4'-DDD	ND		ug/kg	1.82	0.648	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.429	1	A
Endosulfan II	ND		ug/kg	1.82	0.607	1	A
Endosulfan sulfate	ND		ug/kg	0.756	0.360	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.53	1	A
cis-Chlordane	ND		ug/kg	2.27	0.632	1	A
trans-Chlordane	ND		ug/kg	2.27	0.599	1	A
Chlordane	ND		ug/kg	14.8	6.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	118		30-150	B
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	127		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-04	Date Collected:	08/19/14 13:55
Client ID:	SB-39_5-7	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/20/14 18:20
Analytical Date:	08/22/14 09:20		
Analyst:	SH		
Percent Solids:	83%		
Methylation Date:	08/21/14 07:07		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	197	24.0	1	A
2,4,5-T	ND		ug/kg	197	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	197	10.9	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	81		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-05	Date Collected:	08/19/14 10:00
Client ID:	SB-40_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:36
Analytical Date:	08/26/14 02:52	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	97%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.61	0.315	1	A
Lindane	ND		ug/kg	0.670	0.299	1	A
Alpha-BHC	ND		ug/kg	0.670	0.190	1	A
Beta-BHC	ND		ug/kg	1.61	0.609	1	A
Heptachlor	ND		ug/kg	0.804	0.360	1	A
Aldrin	ND		ug/kg	1.61	0.566	1	A
Heptachlor epoxide	ND		ug/kg	3.01	0.904	1	A
Endrin	ND		ug/kg	0.670	0.274	1	A
Endrin ketone	ND		ug/kg	1.61	0.414	1	A
Dieldrin	ND		ug/kg	1.00	0.502	1	A
4,4'-DDE	2.51		ug/kg	1.61	0.372	1	A
4,4'-DDD	ND		ug/kg	1.61	0.573	1	A
4,4'-DDT	8.45		ug/kg	3.01	1.29	1	A
Endosulfan I	ND		ug/kg	1.61	0.380	1	A
Endosulfan II	ND		ug/kg	1.61	0.537	1	A
Endosulfan sulfate	ND		ug/kg	0.670	0.319	1	A
Methoxychlor	ND		ug/kg	3.01	0.938	1	A
Toxaphene	ND		ug/kg	30.1	8.44	1	A
cis-Chlordane	ND		ug/kg	2.01	0.560	1	A
trans-Chlordane	ND		ug/kg	2.01	0.530	1	A
Chlordane	ND		ug/kg	13.0	5.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	106		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-05	Date Collected:	08/19/14 10:00
Client ID:	SB-40_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/20/14 18:20
Analytical Date:	08/22/14 09:42		
Analyst:	SH		
Percent Solids:	97%		
Methylation Date:	08/21/14 07:07		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	169	20.5	1	A
2,4,5-T	ND		ug/kg	169	10.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	169	9.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	80		30-150	A
DCAA	81		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-06	Date Collected:	08/19/14 10:05
Client ID:	SB-40_5-7	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:36
Analytical Date:	08/26/14 03:08	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.324	1	A
Lindane	ND		ug/kg	0.690	0.308	1	A
Alpha-BHC	ND		ug/kg	0.690	0.196	1	A
Beta-BHC	ND		ug/kg	1.65	0.627	1	A
Heptachlor	ND		ug/kg	0.827	0.371	1	A
Aldrin	ND		ug/kg	1.65	0.583	1	A
Heptachlor epoxide	ND		ug/kg	3.10	0.931	1	A
Endrin	ND		ug/kg	0.690	0.283	1	A
Endrin ketone	ND		ug/kg	1.65	0.426	1	A
Dieldrin	ND		ug/kg	1.03	0.517	1	A
4,4'-DDE	ND		ug/kg	1.65	0.383	1	A
4,4'-DDD	ND		ug/kg	1.65	0.590	1	A
4,4'-DDT	ND		ug/kg	3.10	1.33	1	A
Endosulfan I	ND		ug/kg	1.65	0.391	1	A
Endosulfan II	ND		ug/kg	1.65	0.553	1	A
Endosulfan sulfate	ND		ug/kg	0.690	0.328	1	A
Methoxychlor	ND		ug/kg	3.10	0.965	1	A
Toxaphene	ND		ug/kg	31.0	8.69	1	A
cis-Chlordane	ND		ug/kg	2.07	0.576	1	A
trans-Chlordane	ND		ug/kg	2.07	0.546	1	A
Chlordane	ND		ug/kg	13.4	5.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	100		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	112		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-06	Date Collected:	08/19/14 10:05
Client ID:	SB-40_5-7	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/22/14 22:08		
Analyst:	SH		
Percent Solids:	92%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	179	21.8	1	A
2,4,5-T	ND		ug/kg	179	11.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	9.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	81		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-07	Date Collected:	08/19/14 12:15
Client ID:	SB-41_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:36
Analytical Date:	08/26/14 03:24	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.724	0.324	1	A
Alpha-BHC	ND		ug/kg	0.724	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.869	0.389	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.977	1	A
Endrin	ND		ug/kg	0.724	0.297	1	A
Endrin ketone	ND		ug/kg	1.74	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.543	1	A
4,4'-DDE	9.08		ug/kg	1.74	0.402	1	B
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	18.4		ug/kg	3.26	1.40	1	B
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	ND		ug/kg	1.74	0.581	1	A
Endosulfan sulfate	ND		ug/kg	0.724	0.344	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.12	1	A
cis-Chlordane	ND		ug/kg	2.17	0.605	1	A
trans-Chlordane	ND		ug/kg	2.17	0.573	1	A
Chlordane	ND		ug/kg	14.1	5.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	112		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-07	Date Collected:	08/19/14 12:15
Client ID:	SB-41_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/22/14 22:29		
Analyst:	SH		
Percent Solids:	90%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.2	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	90		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-08	Date Collected:	08/19/14 12:20
Client ID:	SB-41_7-9	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:36
Analytical Date:	08/26/14 03:40	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.363	1	A
Lindane	ND		ug/kg	0.772	0.345	1	A
Alpha-BHC	ND		ug/kg	0.772	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.703	1	A
Heptachlor	ND		ug/kg	0.927	0.415	1	A
Aldrin	ND		ug/kg	1.85	0.652	1	A
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.772	0.317	1	A
Endrin ketone	ND		ug/kg	1.85	0.477	1	A
Dieldrin	ND		ug/kg	1.16	0.579	1	A
4,4'-DDE	ND		ug/kg	1.85	0.429	1	A
4,4'-DDD	ND		ug/kg	1.85	0.661	1	A
4,4'-DDT	ND		ug/kg	3.48	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.438	1	A
Endosulfan II	ND		ug/kg	1.85	0.619	1	A
Endosulfan sulfate	ND		ug/kg	0.772	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.73	1	A
cis-Chlordane	ND		ug/kg	2.32	0.646	1	A
trans-Chlordane	ND		ug/kg	2.32	0.612	1	A
Chlordane	ND		ug/kg	15.0	6.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	107		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	120		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-08	Date Collected:	08/19/14 12:20
Client ID:	SB-41_7-9	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/22/14 22:51		
Analyst:	SH		
Percent Solids:	82%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	200	24.3	1	A
2,4,5-T	ND		ug/kg	200	12.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	200	11.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	112		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-09	Date Collected:	08/19/14 10:20
Client ID:	SB-42_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:36
Analytical Date:	08/26/14 03:56	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	99%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.57	0.308	1	A
Lindane	ND		ug/kg	0.656	0.293	1	A
Alpha-BHC	ND		ug/kg	0.656	0.186	1	A
Beta-BHC	ND		ug/kg	1.57	0.597	1	A
Heptachlor	ND		ug/kg	0.787	0.353	1	A
Aldrin	ND		ug/kg	1.57	0.554	1	A
Heptachlor epoxide	ND		ug/kg	2.95	0.885	1	A
Endrin	ND		ug/kg	0.656	0.269	1	A
Endrin ketone	ND		ug/kg	1.57	0.405	1	A
Dieldrin	ND		ug/kg	0.984	0.492	1	A
4,4'-DDE	5.42		ug/kg	1.57	0.364	1	B
4,4'-DDD	ND		ug/kg	1.57	0.561	1	A
4,4'-DDT	ND		ug/kg	2.95	1.26	1	A
Endosulfan I	ND		ug/kg	1.57	0.372	1	A
Endosulfan II	ND		ug/kg	1.57	0.526	1	A
Endosulfan sulfate	ND		ug/kg	0.656	0.312	1	A
Methoxychlor	ND		ug/kg	2.95	0.918	1	A
Toxaphene	ND		ug/kg	29.5	8.26	1	A
cis-Chlordane	ND		ug/kg	1.97	0.548	1	A
trans-Chlordane	ND		ug/kg	1.97	0.519	1	A
Chlordane	ND		ug/kg	12.8	5.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	135		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-09	Date Collected:	08/19/14 10:20
Client ID:	SB-42_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/22/14 23:12		
Analyst:	SH		
Percent Solids:	99%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	165	20.0	1	A
2,4,5-T	ND		ug/kg	165	10.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	165	9.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	77		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-10	Date Collected:	08/19/14 10:25
Client ID:	SB-42_6-8	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:36
Analytical Date:	08/26/14 04:12	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.696	0.311	1	A
Alpha-BHC	ND		ug/kg	0.696	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.633	1	A
Heptachlor	ND		ug/kg	0.835	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.588	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.940	1	A
Endrin	ND		ug/kg	0.696	0.285	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	ND		ug/kg	1.04	0.522	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	ND		ug/kg	1.67	0.596	1	A
4,4'-DDT	ND		ug/kg	3.13	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.558	1	A
Endosulfan sulfate	ND		ug/kg	0.696	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.974	1	A
Toxaphene	ND		ug/kg	31.3	8.77	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.551	1	A
Chlordane	ND		ug/kg	13.6	5.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	125		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	125		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-10	Date Collected:	08/19/14 10:25
Client ID:	SB-42_6-8	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/22/14 23:34		
Analyst:	SH		
Percent Solids:	90%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.1	1	A
2,4,5-T	ND		ug/kg	182	11.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	113		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-11	Date Collected:	08/19/14 09:45
Client ID:	SB-43_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:37
Analytical Date:	08/26/14 04:28	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.08	0.408	1	A
Lindane	ND		ug/kg	0.869	0.388	1	A
Alpha-BHC	ND		ug/kg	0.869	0.247	1	A
Beta-BHC	ND		ug/kg	2.08	0.791	1	A
Heptachlor	ND		ug/kg	1.04	0.468	1	A
Aldrin	ND		ug/kg	2.08	0.734	1	A
Heptachlor epoxide	ND		ug/kg	3.91	1.17	1	A
Endrin	ND		ug/kg	0.869	0.356	1	A
Endrin ketone	ND		ug/kg	2.08	0.537	1	A
Dieldrin	ND		ug/kg	1.30	0.652	1	A
4,4'-DDE	7.29		ug/kg	2.08	0.482	1	A
4,4'-DDD	ND		ug/kg	2.08	0.744	1	A
4,4'-DDT	ND		ug/kg	3.91	1.68	1	A
Endosulfan I	ND		ug/kg	2.08	0.493	1	A
Endosulfan II	ND		ug/kg	2.08	0.697	1	A
Endosulfan sulfate	ND		ug/kg	0.869	0.414	1	A
Methoxychlor	ND		ug/kg	3.91	1.22	1	A
Toxaphene	ND		ug/kg	39.1	11.0	1	A
cis-Chlordane	ND		ug/kg	2.61	0.726	1	A
trans-Chlordane	ND		ug/kg	2.61	0.688	1	A
Chlordane	ND		ug/kg	16.9	6.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		30-150	B
Decachlorobiphenyl	132		30-150	B
2,4,5,6-Tetrachloro-m-xylene	127		30-150	A
Decachlorobiphenyl	123		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-11	Date Collected:	08/19/14 09:45
Client ID:	SB-43_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 00:16		
Analyst:	SH		
Percent Solids:	76%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	217	26.4	1	A
2,4,5-T	ND		ug/kg	217	13.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	217	12.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	62		30-150	A
DCAA	77		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-12	Date Collected:	08/19/14 09:50
Client ID:	SB-43_6-8	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:37
Analytical Date:	08/26/14 04:44	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.319	1	A
Lindane	ND		ug/kg	0.680	0.304	1	A
Alpha-BHC	ND		ug/kg	0.680	0.193	1	A
Beta-BHC	ND		ug/kg	1.63	0.618	1	A
Heptachlor	ND		ug/kg	0.816	0.366	1	A
Aldrin	ND		ug/kg	1.63	0.574	1	A
Heptachlor epoxide	ND		ug/kg	3.06	0.917	1	A
Endrin	ND		ug/kg	0.680	0.279	1	A
Endrin ketone	ND		ug/kg	1.63	0.420	1	A
Dieldrin	ND		ug/kg	1.02	0.510	1	A
4,4'-DDE	ND		ug/kg	1.63	0.377	1	A
4,4'-DDD	ND		ug/kg	1.63	0.582	1	A
4,4'-DDT	ND		ug/kg	3.06	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.385	1	A
Endosulfan II	ND		ug/kg	1.63	0.545	1	A
Endosulfan sulfate	ND		ug/kg	0.680	0.323	1	A
Methoxychlor	ND		ug/kg	3.06	0.951	1	A
Toxaphene	ND		ug/kg	30.6	8.56	1	A
cis-Chlordane	ND		ug/kg	2.04	0.568	1	A
trans-Chlordane	ND		ug/kg	2.04	0.538	1	A
Chlordane	ND		ug/kg	13.2	5.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	118		30-150	B
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	140		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-12	Date Collected:	08/19/14 09:50
Client ID:	SB-43_6-8	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 00:38		
Analyst:	SH		
Percent Solids:	94%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	174	21.2	1	A
2,4,5-T	ND		ug/kg	174	10.9	1	A
2,4,5-TP (Silvex)	ND		ug/kg	174	9.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	74		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-13	Date Collected:	08/19/14 13:20
Client ID:	SB-44_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:37
Analytical Date:	08/26/14 05:00	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.342	1	A
Lindane	ND		ug/kg	0.728	0.326	1	A
Alpha-BHC	ND		ug/kg	0.728	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.663	1	A
Heptachlor	ND		ug/kg	0.874	0.392	1	A
Aldrin	ND		ug/kg	1.75	0.616	1	A
Heptachlor epoxide	ND		ug/kg	3.28	0.983	1	A
Endrin	ND		ug/kg	0.728	0.299	1	A
Endrin ketone	ND		ug/kg	1.75	0.450	1	A
Dieldrin	ND		ug/kg	1.09	0.546	1	A
4,4'-DDE	1.88		ug/kg	1.75	0.404	1	A
4,4'-DDD	ND		ug/kg	1.75	0.624	1	A
4,4'-DDT	5.14		ug/kg	3.28	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.413	1	A
Endosulfan II	ND		ug/kg	1.75	0.584	1	A
Endosulfan sulfate	ND		ug/kg	0.728	0.347	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	9.18	1	A
cis-Chlordane	ND		ug/kg	2.18	0.609	1	A
trans-Chlordane	ND		ug/kg	2.18	0.577	1	A
Chlordane	ND		ug/kg	14.2	5.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	115		30-150	B
Decachlorobiphenyl	115		30-150	B
2,4,5,6-Tetrachloro-m-xylene	121		30-150	A
Decachlorobiphenyl	114		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-13	Date Collected:	08/19/14 13:20
Client ID:	SB-44_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 00:59		
Analyst:	SH		
Percent Solids:	90%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	184	22.3	1	A
2,4,5-T	ND		ug/kg	184	11.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	95		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-14	Date Collected:	08/19/14 13:25
Client ID:	SB-44_3-5	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:37
Analytical Date:	08/26/14 05:17	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.703	0.314	1	A
Alpha-BHC	ND		ug/kg	0.703	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.640	1	A
Heptachlor	ND		ug/kg	0.844	0.378	1	A
Aldrin	ND		ug/kg	1.69	0.594	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.950	1	A
Endrin	ND		ug/kg	0.703	0.288	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	ND		ug/kg	1.06	0.528	1	A
4,4'-DDE	1.31	J	ug/kg	1.69	0.390	1	A
4,4'-DDD	ND		ug/kg	1.69	0.602	1	A
4,4'-DDT	ND		ug/kg	3.16	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.564	1	A
Endosulfan sulfate	ND		ug/kg	0.703	0.335	1	A
Methoxychlor	ND		ug/kg	3.16	0.985	1	A
Toxaphene	ND		ug/kg	31.6	8.86	1	A
cis-Chlordane	ND		ug/kg	2.11	0.588	1	A
trans-Chlordane	ND		ug/kg	2.11	0.557	1	A
Chlordane	ND		ug/kg	13.7	5.59	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		30-150	B
Decachlorobiphenyl	120		30-150	B
2,4,5,6-Tetrachloro-m-xylene	111		30-150	A
Decachlorobiphenyl	139		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-14	Date Collected:	08/19/14 13:25
Client ID:	SB-44_3-5	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 01:21		
Analyst:	SH		
Percent Solids:	89%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.3	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	101		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-15	Date Collected:	08/19/14 13:35
Client ID:	SB-45_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:37
Analytical Date:	08/26/14 05:33	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.330	1	A
Lindane	ND		ug/kg	0.701	0.313	1	A
Alpha-BHC	ND		ug/kg	0.701	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.638	1	A
Heptachlor	ND		ug/kg	0.841	0.377	1	A
Aldrin	ND		ug/kg	1.68	0.592	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.947	1	A
Endrin	ND		ug/kg	0.701	0.287	1	A
Endrin ketone	ND		ug/kg	1.68	0.433	1	A
Dieldrin	ND		ug/kg	1.05	0.526	1	A
4,4'-DDE	2.10		ug/kg	1.68	0.389	1	A
4,4'-DDD	ND		ug/kg	1.68	0.600	1	A
4,4'-DDT	15.1		ug/kg	3.16	1.35	1	B
Endosulfan I	ND		ug/kg	1.68	0.398	1	A
Endosulfan II	ND		ug/kg	1.68	0.562	1	A
Endosulfan sulfate	ND		ug/kg	0.701	0.334	1	A
Methoxychlor	ND		ug/kg	3.16	0.982	1	A
Toxaphene	ND		ug/kg	31.6	8.84	1	A
cis-Chlordane	ND		ug/kg	2.10	0.586	1	A
trans-Chlordane	ND		ug/kg	2.10	0.555	1	A
Chlordane	ND		ug/kg	13.7	5.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	117		30-150	B
Decachlorobiphenyl	146		30-150	B
2,4,5,6-Tetrachloro-m-xylene	125		30-150	A
Decachlorobiphenyl	**152**	Q	30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-15	Date Collected:	08/19/14 13:35
Client ID:	SB-45_0-2	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 01:42		
Analyst:	SH		
Percent Solids:	91%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	181	22.0	1	A
2,4,5-T	ND		ug/kg	181	11.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	181	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	90		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-16	Date Collected:	08/19/14 13:40
Client ID:	SB-45_3-5	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:37
Analytical Date:	08/26/14 05:49	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.369	1	A
Lindane	ND		ug/kg	0.784	0.351	1	A
Alpha-BHC	ND		ug/kg	0.784	0.223	1	A
Beta-BHC	ND		ug/kg	1.88	0.714	1	A
Heptachlor	ND		ug/kg	0.941	0.422	1	A
Aldrin	ND		ug/kg	1.88	0.663	1	A
Heptachlor epoxide	ND		ug/kg	3.53	1.06	1	A
Endrin	ND		ug/kg	0.784	0.322	1	A
Endrin ketone	ND		ug/kg	1.88	0.485	1	A
Dieldrin	ND		ug/kg	1.18	0.588	1	A
4,4'-DDE	ND		ug/kg	1.88	0.435	1	A
4,4'-DDD	ND		ug/kg	1.88	0.672	1	A
4,4'-DDT	ND		ug/kg	3.53	1.51	1	A
Endosulfan I	ND		ug/kg	1.88	0.445	1	A
Endosulfan II	ND		ug/kg	1.88	0.629	1	A
Endosulfan sulfate	ND		ug/kg	0.784	0.373	1	A
Methoxychlor	ND		ug/kg	3.53	1.10	1	A
Toxaphene	ND		ug/kg	35.3	9.88	1	A
cis-Chlordane	ND		ug/kg	2.35	0.656	1	A
trans-Chlordane	ND		ug/kg	2.35	0.621	1	A
Chlordane	ND		ug/kg	15.3	6.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	126		30-150	B
2,4,5,6-Tetrachloro-m-xylene	121		30-150	A
Decachlorobiphenyl	**157**	Q	30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-16	Date Collected:	08/19/14 13:40
Client ID:	SB-45_3-5	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 02:03		
Analyst:	SH		
Percent Solids:	82%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	202	24.5	1	A
2,4,5-T	ND		ug/kg	202	12.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	202	11.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	67		30-150	A
DCAA	57		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-17	Date Collected:	08/19/14 00:00
Client ID:	F_SODUP01_5-7	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 09:37
Analytical Date:	08/26/14 06:05	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.338	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.310	1	A
Endrin ketone	ND		ug/kg	1.81	0.467	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.359	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.51	1	A
cis-Chlordane	ND		ug/kg	2.26	0.631	1	A
trans-Chlordane	ND		ug/kg	2.26	0.598	1	A
Chlordane	ND		ug/kg	14.7	6.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	121		30-150	B
Decachlorobiphenyl	141		30-150	B
2,4,5,6-Tetrachloro-m-xylene	123		30-150	A
Decachlorobiphenyl	**151**	Q	30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-17	Date Collected:	08/19/14 00:00
Client ID:	F_SODUP01_5-7	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 02:25		
Analyst:	SH		
Percent Solids:	87%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	23.0	1	A
2,4,5-T	ND		ug/kg	189	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	82		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID:	L1418860-18	Date Collected:	08/19/14 15:45
Client ID:	F_SOFB01_081914	Date Received:	08/19/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/22/14 08:56
Analytical Date:	08/25/14 23:41	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-18
Client ID: F_SOFB01_081914
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/24/14 03:12
Analyst: SH

Date Collected: 08/19/14 15:45
Date Received: 08/19/14
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/20/14 16:43

Methylation Date: 08/21/14 07:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	94		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/24/14 00:42
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 08/20/14 16:43

Methylation Date: 08/21/14 07:11

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 18 Batch: WG715498-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.488	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	80		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/22/14 04:20
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 08/20/14 18:20

Methylation Date: 08/21/14 07:07

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-05 Batch: WG715573-1						
2,4-D	ND		ug/kg	165	20.1	A
2,4,5-T	ND		ug/kg	165	10.3	A
2,4,5-TP (Silvex)	ND		ug/kg	165	9.12	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	82		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/22/14 20:21
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 08/21/14 08:14

Methylation Date: 08/22/14 11:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 06-17 Batch: WG715691-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.94	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	91		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/25/14 22:45
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 08/22/14 08:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 18 Batch: WG716064-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/25/14 23:56
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 08/22/14 09:36
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-17 Batch: WG716085-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.650	0.291	A
Alpha-BHC	ND		ug/kg	0.650	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.592	A
Heptachlor	ND		ug/kg	0.780	0.350	A
Aldrin	ND		ug/kg	1.56	0.549	A
Heptachlor epoxide	ND		ug/kg	2.92	0.878	A
Endrin	ND		ug/kg	0.650	0.266	A
Endrin ketone	ND		ug/kg	1.56	0.402	A
Dieldrin	ND		ug/kg	0.975	0.488	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.556	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.369	A
Endosulfan II	ND		ug/kg	1.56	0.521	A
Endosulfan sulfate	ND		ug/kg	0.650	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.910	A
Toxaphene	ND		ug/kg	29.2	8.19	A
cis-Chlordane	ND		ug/kg	1.95	0.544	A
trans-Chlordane	ND		ug/kg	1.95	0.515	A
Chlordane	ND		ug/kg	12.7	5.17	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	128		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 18 Batch: WG715498-2 WG715498-3									
2,4-D	110		89		30-150	21		25	A
2,4,5-T	94		80		30-150	16		25	A
2,4,5-TP (Silvex)	93		80		30-150	15		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	98		84		30-150	A
DCAA	93		78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG715573-2 WG715573-3									
2,4-D	96		88		30-150	9		30	A
2,4,5-T	80		75		30-150	6		30	A
2,4,5-TP (Silvex)	80		74		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	78		71		30-150	A
DCAA	79		70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 06-17 Batch: WG715691-2 WG715691-3									
2,4-D	101		83		30-150	20		30	A
2,4,5-T	89		75		30-150	17		30	A
2,4,5-TP (Silvex)	87		73		30-150	18		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	86		70		30-150	A
DCAA	90		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 18 Batch: WG716064-2 WG716064-3									
Delta-BHC	83		**182**	Q	30-150	**75**	Q	20	A
Lindane	84		128		30-150	**41**	Q	20	A
Alpha-BHC	87		120		30-150	**32**	Q	20	A
Beta-BHC	95		**172**	Q	30-150	**58**	Q	20	A
Heptachlor	92		114		30-150	**22**	Q	20	A
Aldrin	93		113		30-150	20		20	A
Heptachlor epoxide	92		**165**	Q	30-150	**57**	Q	20	A
Endrin	101		**204**	Q	30-150	**68**	Q	20	A
Endrin ketone	74		**178**	Q	30-150	**82**	Q	20	A
Dieldrin	99		**204**	Q	30-150	**69**	Q	20	A
4,4'-DDE	96		117		30-150	20		20	A
4,4'-DDD	89		130		30-150	**37**	Q	20	A
4,4'-DDT	94		122		30-150	**26**	Q	20	A
Endosulfan I	92		**173**	Q	30-150	**61**	Q	20	A
Endosulfan II	82		**191**	Q	30-150	**80**	Q	20	A
Endosulfan sulfate	80		**193**	Q	30-150	**82**	Q	20	A
Methoxychlor	76		**164**	Q	30-150	**73**	Q	20	A
cis-Chlordane	90		122		30-150	**31**	Q	20	A
trans-Chlordane	94		134		30-150	**35**	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 18 Batch: WG716064-2 WG716064-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		84		30-150	A
Decachlorobiphenyl	72		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		86		30-150	B
Decachlorobiphenyl	84		80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-17 Batch: WG716085-2 WG716085-3									
Delta-BHC	90		91		30-150	1		30	A
Lindane	90		90		30-150	0		30	A
Alpha-BHC	93		92		30-150	1		30	A
Beta-BHC	105		100		30-150	5		30	A
Heptachlor	109		105		30-150	4		30	A
Aldrin	107		103		30-150	4		30	A
Heptachlor epoxide	102		96		30-150	6		30	A
Endrin	110		106		30-150	4		30	A
Endrin ketone	86		81		30-150	6		30	A
Dieldrin	110		103		30-150	7		30	A
4,4'-DDE	108		102		30-150	6		30	A
4,4'-DDD	99		94		30-150	5		30	A
4,4'-DDT	113		105		30-150	7		30	A
Endosulfan I	100		94		30-150	6		30	A
Endosulfan II	92		88		30-150	4		30	A
Endosulfan sulfate	90		88		30-150	2		30	A
Methoxychlor	93		85		30-150	9		30	A
cis-Chlordane	98		94		30-150	4		30	A
trans-Chlordane	107		100		30-150	7		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-17 Batch: WG716085-2 WG716085-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		87		30-150	B
Decachlorobiphenyl	93		80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		87		30-150	A
Decachlorobiphenyl	78		69		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 06-17 QC Batch ID: WG715691-4 WG715691-5 QC Sample: L1418860-12 Client ID: SB-43_6-8													
2,4-D	ND	350	310	89		314	90		30-150	1		30	A
2,4,5-T	ND	350	286	82		279	80		30-150	2		30	A
2,4,5-TP (Silvex)	ND	350	280	80		276	79		30-150	1		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	79		81		30-150	A
DCAA	88		88		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 06-17 QC Batch ID: WG715691-6 WG715691-7 QC Sample: L1418990-08 Client ID: MS Sample													
2,4-D	ND	346	278	80		295	85		30-150	6		30	A
2,4,5-T	ND	346	250	72		261	76		30-150	4		30	A
2,4,5-TP (Silvex)	ND	346	248	72		260	75		30-150	5		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	74		78		30-150	A
DCAA	89		74		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG716085-4 WG716085-5 QC Sample: L1418860-12 Client ID: SB-43_6-8													
Delta-BHC	ND	35	29.9	85		30.4	89		30-150	2		50	A
Lindane	ND	35	30.8	88		30.5	90		30-150	1		50	A
Alpha-BHC	ND	35	30.5	87		30.6	90		30-150	0		50	A
Beta-BHC	ND	35	39.7	113		32.2	95		30-150	21		50	A
Heptachlor	ND	35	35.6	102		34.7	102		30-150	3		50	A
Aldrin	ND	35	31.2	89		33.6	99		30-150	7		50	A
Heptachlor epoxide	ND	35	28.4	81		31.6	93		30-150	11		50	A
Endrin	ND	35	35.4	101		37.1	109		30-150	5		50	A
Endrin ketone	ND	35	31.3	89		30.9	91		30-150	1		50	A
Dieldrin	ND	35	27.9	80		33.5	98		30-150	18		50	A
4,4'-DDE	ND	35	24.4	70		28.1	83		30-150	14		50	A
4,4'-DDD	ND	35	24.2	69		29.4	86		30-150	19		50	A
4,4'-DDT	ND	35	31.9	91		34.7	102		30-150	8		50	A
Endosulfan I	ND	35	25.9	74		30.5	90		30-150	16		50	A
Endosulfan II	ND	35	24.2	69		28.4	83		30-150	16		50	A
Endosulfan sulfate	ND	35	21.1	60		25.6	75		30-150	19		50	A
Methoxychlor	ND	35	25.1	72		30.0	88		30-150	18		50	A
cis-Chlordane	ND	35	25.3	72		29.6	87		30-150	16		50	A
trans-Chlordane	ND	35	26.8	77		31.4	92		30-150	16		50	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG716085-4 WG716085-5 QC Sample: L1418860-12 Client ID: SB-43_6-8												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		83		30-150	B
Decachlorobiphenyl	79		93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		90		30-150	A
Decachlorobiphenyl	70		75		30-150	A

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-01
Client ID: SB-38_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 08/19/14 10:55
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	8.9	1.8	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.71	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Arsenic, Total	11		mg/kg	0.89	0.18	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Barium, Total	240		mg/kg	0.89	0.27	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Beryllium, Total	0.53		mg/kg	0.44	0.09	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Cadmium, Total	0.21	J	mg/kg	0.89	0.06	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Calcium, Total	120000		mg/kg	440	130	100	08/21/14 17:01	08/22/14 16:46	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.89	0.18	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Cobalt, Total	6.1		mg/kg	1.8	0.44	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Copper, Total	77		mg/kg	0.89	0.18	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Iron, Total	11000		mg/kg	4.4	1.8	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Lead, Total	570		mg/kg	4.4	0.18	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Magnesium, Total	54000		mg/kg	440	44.	100	08/21/14 17:01	08/22/14 16:46	EPA 3050B	1,6010C	TT
Manganese, Total	160		mg/kg	0.89	0.18	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Mercury, Total	0.31		mg/kg	0.07	0.02	1	08/20/14 08:22	08/20/14 13:00	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.2	0.36	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Potassium, Total	610		mg/kg	220	36.	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.27	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.89	0.18	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Sodium, Total	170	J	mg/kg	180	27.	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Vanadium, Total	16		mg/kg	0.89	0.09	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT
Zinc, Total	440		mg/kg	4.4	0.62	2	08/21/14 17:01	08/22/14 13:39	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-02
Client ID: SB-38_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 93%

Date Collected: 08/19/14 11:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8000		mg/kg	8.2	1.6	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.1	0.65	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Arsenic, Total	9.9		mg/kg	0.82	0.16	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Barium, Total	83		mg/kg	0.82	0.24	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Beryllium, Total	0.24	J	mg/kg	0.41	0.08	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Cadmium, Total	0.48	J	mg/kg	0.82	0.06	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Calcium, Total	45000		mg/kg	8.2	2.4	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Chromium, Total	31		mg/kg	0.82	0.16	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Cobalt, Total	22		mg/kg	1.6	0.41	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Copper, Total	110		mg/kg	0.82	0.16	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Iron, Total	13000		mg/kg	4.1	1.6	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Lead, Total	100		mg/kg	4.1	0.16	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Magnesium, Total	9500		mg/kg	8.2	0.82	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Manganese, Total	230		mg/kg	0.82	0.16	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Mercury, Total	0.12		mg/kg	0.07	0.02	1	08/20/14 08:22	08/20/14 13:02	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.0	0.33	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Potassium, Total	800		mg/kg	200	33.	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Selenium, Total	0.34	J	mg/kg	1.6	0.24	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.82	0.16	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Sodium, Total	660		mg/kg	160	24.	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.6	0.33	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Vanadium, Total	23		mg/kg	0.82	0.08	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT
Zinc, Total	240		mg/kg	4.1	0.57	2	08/21/14 17:01	08/22/14 13:43	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-03
Client ID: SB-39_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 08/19/14 13:50
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4600		mg/kg	8.6	1.7	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.69	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Arsenic, Total	7.8		mg/kg	0.86	0.17	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Barium, Total	210		mg/kg	0.86	0.26	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Beryllium, Total	0.18	J	mg/kg	0.43	0.09	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Cadmium, Total	0.35	J	mg/kg	0.86	0.06	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Calcium, Total	110000		mg/kg	430	130	100	08/21/14 17:01	08/22/14 16:49	EPA 3050B	1,6010C	TT
Chromium, Total	8.4		mg/kg	0.86	0.17	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Cobalt, Total	2.7		mg/kg	1.7	0.43	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Copper, Total	13		mg/kg	0.86	0.17	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Iron, Total	7200		mg/kg	4.3	1.7	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Lead, Total	1000		mg/kg	4.3	0.17	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Magnesium, Total	7600		mg/kg	430	43.	100	08/21/14 17:01	08/22/14 16:49	EPA 3050B	1,6010C	TT
Manganese, Total	100		mg/kg	0.86	0.17	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Mercury, Total	0.18		mg/kg	0.07	0.02	1	08/20/14 08:22	08/20/14 13:03	EPA 7471B	1,7471B	MC
Nickel, Total	8.9		mg/kg	2.1	0.34	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Potassium, Total	560		mg/kg	210	34.	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.26	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.86	0.17	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Sodium, Total	340		mg/kg	170	26.	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Vanadium, Total	12		mg/kg	0.86	0.09	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT
Zinc, Total	280		mg/kg	4.3	0.60	2	08/21/14 17:01	08/22/14 14:06	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-04
Client ID: SB-39_5-7
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 08/19/14 13:55
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6200		mg/kg	9.0	1.8	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Antimony, Total	1.1	J	mg/kg	4.5	0.72	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Arsenic, Total	27		mg/kg	0.90	0.18	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Barium, Total	38		mg/kg	0.90	0.27	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Beryllium, Total	0.49		mg/kg	0.45	0.09	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.90	0.06	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Calcium, Total	1500		mg/kg	9.0	2.7	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Chromium, Total	8.8		mg/kg	0.90	0.18	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Cobalt, Total	10		mg/kg	1.8	0.45	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Copper, Total	69		mg/kg	0.90	0.18	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Iron, Total	12000		mg/kg	4.5	1.8	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Lead, Total	540		mg/kg	4.5	0.18	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Magnesium, Total	1900		mg/kg	9.0	0.90	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Manganese, Total	88		mg/kg	0.90	0.18	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/20/14 08:22	08/20/14 13:05	EPA 7471B	1,7471B	MC
Nickel, Total	20		mg/kg	2.2	0.36	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Potassium, Total	460		mg/kg	220	36.	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Selenium, Total	0.64	J	mg/kg	1.8	0.27	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.90	0.18	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Sodium, Total	310		mg/kg	180	27.	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Vanadium, Total	12		mg/kg	0.90	0.09	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT
Zinc, Total	480		mg/kg	4.5	0.63	2	08/21/14 17:01	08/22/14 14:10	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-05
Client ID: SB-40_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 97%

Date Collected: 08/19/14 10:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2800		mg/kg	8.1	1.6	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.1	0.65	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Arsenic, Total	38		mg/kg	0.81	0.16	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Barium, Total	51		mg/kg	0.81	0.24	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Beryllium, Total	0.10	J	mg/kg	0.41	0.08	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.81	0.06	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Calcium, Total	8800		mg/kg	8.1	2.4	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Chromium, Total	6.9		mg/kg	0.81	0.16	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Cobalt, Total	1.8		mg/kg	1.6	0.41	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Copper, Total	17		mg/kg	0.81	0.16	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Iron, Total	22000		mg/kg	4.1	1.6	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Lead, Total	74		mg/kg	4.1	0.16	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Magnesium, Total	3000		mg/kg	8.1	0.81	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Manganese, Total	55		mg/kg	0.81	0.16	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Mercury, Total	0.05	J	mg/kg	0.06	0.01	1	08/20/14 08:22	08/20/14 13:07	EPA 7471B	1,7471B	MC
Nickel, Total	4.0		mg/kg	2.0	0.32	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Potassium, Total	790		mg/kg	200	32.	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Selenium, Total	1.0	J	mg/kg	1.6	0.24	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.81	0.16	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Sodium, Total	330		mg/kg	160	24.	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.6	0.32	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Vanadium, Total	16		mg/kg	0.81	0.08	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT
Zinc, Total	43		mg/kg	4.1	0.57	2	08/21/14 17:01	08/22/14 14:14	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-06
Client ID: SB-40_5-7
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 08/19/14 10:05
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4700		mg/kg	8.4	1.7	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.67	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Arsenic, Total	15		mg/kg	0.84	0.17	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Barium, Total	30		mg/kg	0.84	0.25	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Beryllium, Total	0.14	J	mg/kg	0.42	0.08	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.84	0.06	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Calcium, Total	1200		mg/kg	8.4	2.5	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Chromium, Total	10		mg/kg	0.84	0.17	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Cobalt, Total	2.8		mg/kg	1.7	0.42	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Copper, Total	16		mg/kg	0.84	0.17	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	4.2	1.7	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Lead, Total	6.9		mg/kg	4.2	0.17	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Magnesium, Total	1900		mg/kg	8.4	0.84	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Manganese, Total	89		mg/kg	0.84	0.17	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/20/14 08:22	08/20/14 13:09	EPA 7471B	1,7471B	MC
Nickel, Total	7.7		mg/kg	2.1	0.34	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Potassium, Total	720		mg/kg	210	34.	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.25	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.84	0.17	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Sodium, Total	220		mg/kg	170	25.	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Vanadium, Total	14		mg/kg	0.84	0.08	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT
Zinc, Total	28		mg/kg	4.2	0.59	2	08/21/14 17:01	08/22/14 14:17	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-07
Client ID: SB-41_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 08/19/14 12:15
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8700		mg/kg	8.5	1.7	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.68	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Arsenic, Total	18		mg/kg	0.85	0.17	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Barium, Total	250		mg/kg	0.85	0.26	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Beryllium, Total	0.61		mg/kg	0.42	0.09	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Cadmium, Total	0.64	J	mg/kg	0.85	0.06	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Calcium, Total	43000		mg/kg	8.5	2.6	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Chromium, Total	31		mg/kg	0.85	0.17	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Cobalt, Total	5.4		mg/kg	1.7	0.42	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Copper, Total	68		mg/kg	0.85	0.17	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.2	1.7	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Lead, Total	3200		mg/kg	4.2	0.17	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Magnesium, Total	14000		mg/kg	8.5	0.85	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Manganese, Total	190		mg/kg	0.85	0.17	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Mercury, Total	0.39		mg/kg	0.07	0.02	1	08/20/14 08:22	08/20/14 13:11	EPA 7471B	1,7471B	MC
Nickel, Total	19		mg/kg	2.1	0.34	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Potassium, Total	980		mg/kg	210	34.	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.26	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Silver, Total	0.18	J	mg/kg	0.85	0.17	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Sodium, Total	340		mg/kg	170	26.	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Vanadium, Total	36		mg/kg	0.85	0.09	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT
Zinc, Total	450		mg/kg	4.2	0.60	2	08/21/14 17:01	08/22/14 14:21	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-08
Client ID: SB-41_7-9
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 82%

Date Collected: 08/19/14 12:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2100		mg/kg	9.5	1.9	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.8	0.76	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Arsenic, Total	22		mg/kg	0.95	0.19	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Barium, Total	62		mg/kg	0.95	0.28	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Beryllium, Total	0.31	J	mg/kg	0.48	0.10	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Cadmium, Total	0.08	J	mg/kg	0.95	0.07	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Calcium, Total	1400		mg/kg	9.5	2.8	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Chromium, Total	5.6		mg/kg	0.95	0.19	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Cobalt, Total	7.9		mg/kg	1.9	0.48	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Copper, Total	52		mg/kg	0.95	0.19	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.8	1.9	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Lead, Total	140		mg/kg	4.8	0.19	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Magnesium, Total	250		mg/kg	9.5	0.95	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Manganese, Total	90		mg/kg	0.95	0.19	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Mercury, Total	0.29		mg/kg	0.08	0.02	1	08/20/14 08:22	08/20/14 13:13	EPA 7471B	1,7471B	MC
Nickel, Total	7.0		mg/kg	2.4	0.38	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Potassium, Total	440		mg/kg	240	38.	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Selenium, Total	1.1	J	mg/kg	1.9	0.28	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.95	0.19	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Sodium, Total	420		mg/kg	190	28.	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Vanadium, Total	11		mg/kg	0.95	0.10	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT
Zinc, Total	92		mg/kg	4.8	0.67	2	08/21/14 17:01	08/22/14 14:25	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-09
Client ID: SB-42_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 99%

Date Collected: 08/19/14 10:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3200		mg/kg	7.7	1.5	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	3.8	0.61	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Arsenic, Total	14		mg/kg	0.77	0.15	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Barium, Total	59		mg/kg	0.77	0.23	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Beryllium, Total	0.22	J	mg/kg	0.38	0.08	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Cadmium, Total	0.29	J	mg/kg	0.77	0.05	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Calcium, Total	110000		mg/kg	380	120	100	08/21/14 17:01	08/22/14 17:13	EPA 3050B	1,6010C	TT
Chromium, Total	5.8		mg/kg	0.77	0.15	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Cobalt, Total	3.2		mg/kg	1.5	0.38	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Copper, Total	36		mg/kg	0.77	0.15	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	3.8	1.5	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Lead, Total	110		mg/kg	3.8	0.15	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Magnesium, Total	38000		mg/kg	380	38.	100	08/21/14 17:01	08/22/14 17:13	EPA 3050B	1,6010C	TT
Manganese, Total	200		mg/kg	0.77	0.15	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Mercury, Total	2.3		mg/kg	0.07	0.01	1	08/20/14 08:22	08/20/14 13:15	EPA 7471B	1,7471B	MC
Nickel, Total	7.8		mg/kg	1.9	0.31	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Potassium, Total	620		mg/kg	190	31.	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.5	0.23	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Silver, Total	0.31	J	mg/kg	0.77	0.15	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Sodium, Total	230		mg/kg	150	23.	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.5	0.31	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Vanadium, Total	9.3		mg/kg	0.77	0.08	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT
Zinc, Total	76		mg/kg	3.8	0.54	2	08/21/14 17:01	08/22/14 14:29	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-10
Client ID: SB-42_6-8
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 08/19/14 10:25
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4600		mg/kg	8.6	1.7	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.69	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Arsenic, Total	13		mg/kg	0.86	0.17	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Barium, Total	38		mg/kg	0.86	0.26	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Beryllium, Total	0.29	J	mg/kg	0.43	0.09	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Cadmium, Total	0.09	J	mg/kg	0.86	0.06	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Calcium, Total	5900		mg/kg	8.6	2.6	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Chromium, Total	10		mg/kg	0.86	0.17	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Cobalt, Total	5.7		mg/kg	1.7	0.43	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Copper, Total	69		mg/kg	0.86	0.17	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.3	1.7	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Lead, Total	870		mg/kg	4.3	0.17	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Magnesium, Total	1400		mg/kg	8.6	0.86	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Manganese, Total	110		mg/kg	0.86	0.17	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Mercury, Total	0.35		mg/kg	0.08	0.02	1	08/20/14 08:22	08/20/14 13:31	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.1	0.34	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Potassium, Total	450		mg/kg	210	34.	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Selenium, Total	0.49	J	mg/kg	1.7	0.26	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.86	0.17	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Sodium, Total	96	J	mg/kg	170	26.	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Vanadium, Total	14		mg/kg	0.86	0.09	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT
Zinc, Total	98		mg/kg	4.3	0.60	2	08/21/14 17:01	08/22/14 15:13	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-11
Client ID: SB-43_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 76%

Date Collected: 08/19/14 09:45
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9200		mg/kg	10	2.0	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.1	0.82	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Arsenic, Total	4.8		mg/kg	1.0	0.20	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Barium, Total	58		mg/kg	1.0	0.31	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Beryllium, Total	0.31	J	mg/kg	0.51	0.10	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	1.0	0.07	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Calcium, Total	98000		mg/kg	10	3.1	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Chromium, Total	10		mg/kg	1.0	0.20	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Cobalt, Total	2.8		mg/kg	2.0	0.51	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Copper, Total	8.3		mg/kg	1.0	0.20	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Iron, Total	7400		mg/kg	5.1	2.0	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Lead, Total	7.6		mg/kg	5.1	0.20	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Magnesium, Total	5900		mg/kg	10	1.0	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Manganese, Total	190		mg/kg	1.0	0.20	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/20/14 08:22	08/20/14 13:32	EPA 7471B	1,7471B	MC
Nickel, Total	7.0		mg/kg	2.6	0.41	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Potassium, Total	640		mg/kg	260	41.	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.0	0.31	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	1.0	0.20	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Sodium, Total	320		mg/kg	200	31.	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.41	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Vanadium, Total	11		mg/kg	1.0	0.10	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT
Zinc, Total	15		mg/kg	5.1	0.72	2	08/21/14 17:01	08/22/14 15:17	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-12
Client ID: SB-43_6-8
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 94%

Date Collected: 08/19/14 09:50
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11000		mg/kg	8.2	1.6	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Antimony, Total	11		mg/kg	4.1	0.66	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Arsenic, Total	19		mg/kg	0.82	0.16	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Barium, Total	70		mg/kg	0.82	0.25	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Beryllium, Total	0.62		mg/kg	0.41	0.08	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.82	0.06	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Calcium, Total	42000		mg/kg	8.2	2.5	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Chromium, Total	18		mg/kg	0.82	0.16	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Cobalt, Total	4.4		mg/kg	1.6	0.41	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Copper, Total	67		mg/kg	0.82	0.16	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	4.1	1.6	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Lead, Total	740		mg/kg	4.1	0.16	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Magnesium, Total	2300		mg/kg	8.2	0.82	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Manganese, Total	130		mg/kg	0.82	0.16	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Mercury, Total	0.30		mg/kg	0.07	0.01	1	08/20/14 08:22	08/20/14 13:36	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.0	0.33	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Potassium, Total	2400		mg/kg	200	33.	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Selenium, Total	1.4	J	mg/kg	1.6	0.25	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.82	0.16	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Sodium, Total	670		mg/kg	160	25.	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.6	0.33	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Vanadium, Total	21		mg/kg	0.82	0.08	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT
Zinc, Total	45		mg/kg	4.1	0.57	2	08/21/14 17:01	08/22/14 12:03	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-13
Client ID: SB-44_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 08/19/14 13:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8800		mg/kg	8.4	1.7	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Antimony, Total	0.93	J	mg/kg	4.2	0.68	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Arsenic, Total	6.8		mg/kg	0.84	0.17	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Barium, Total	110		mg/kg	0.84	0.25	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Beryllium, Total	0.45		mg/kg	0.42	0.08	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Cadmium, Total	0.18	J	mg/kg	0.84	0.06	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Calcium, Total	56000		mg/kg	8.4	2.5	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Chromium, Total	8.7		mg/kg	0.44	0.09	1	08/25/14 14:47	08/25/14 19:30	EPA 3050B	1,6010C	MG
Cobalt, Total	3.2		mg/kg	1.7	0.42	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Copper, Total	22		mg/kg	0.84	0.17	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Iron, Total	9200		mg/kg	4.2	1.7	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Lead, Total	220		mg/kg	4.2	0.17	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Magnesium, Total	9800		mg/kg	8.4	0.84	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Manganese, Total	230		mg/kg	0.84	0.17	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Mercury, Total	0.14		mg/kg	0.07	0.02	1	08/20/14 08:22	08/20/14 13:46	EPA 7471B	1,7471B	MC
Nickel, Total	7.0		mg/kg	2.1	0.34	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Potassium, Total	570		mg/kg	210	34.	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.25	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.84	0.17	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Sodium, Total	1200		mg/kg	170	25.	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Vanadium, Total	17		mg/kg	0.84	0.08	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG
Zinc, Total	150		mg/kg	4.2	0.59	2	08/21/14 18:57	08/22/14 14:56	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-14
Client ID: SB-44_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 08/19/14 13:25
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6900		mg/kg	8.6	1.7	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Antimony, Total	1.4	J	mg/kg	4.3	0.69	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Arsenic, Total	11		mg/kg	0.86	0.17	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Barium, Total	220		mg/kg	0.86	0.26	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Beryllium, Total	0.52		mg/kg	0.43	0.09	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Cadmium, Total	0.47	J	mg/kg	0.86	0.06	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Calcium, Total	11000		mg/kg	8.6	2.6	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Chromium, Total	14		mg/kg	0.86	0.17	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Cobalt, Total	8.1		mg/kg	1.7	0.43	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Copper, Total	78		mg/kg	0.86	0.17	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Iron, Total	14000		mg/kg	4.3	1.7	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Lead, Total	1000		mg/kg	4.3	0.17	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Magnesium, Total	2600		mg/kg	8.6	0.86	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Manganese, Total	230		mg/kg	0.86	0.17	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Mercury, Total	1.6		mg/kg	0.07	0.02	1	08/20/14 08:22	08/20/14 13:48	EPA 7471B	1,7471B	MC
Nickel, Total	20		mg/kg	2.2	0.34	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Potassium, Total	740		mg/kg	220	34.	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Selenium, Total	0.43	J	mg/kg	1.7	0.26	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Silver, Total	0.39	J	mg/kg	0.86	0.17	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Sodium, Total	420		mg/kg	170	26.	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Vanadium, Total	22		mg/kg	0.86	0.09	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG
Zinc, Total	430		mg/kg	4.3	0.60	2	08/21/14 18:57	08/22/14 15:22	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-15
Client ID: SB-45_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 08/19/14 13:35
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4100		mg/kg	8.3	1.7	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Antimony, Total	1.9	J	mg/kg	4.2	0.67	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Arsenic, Total	18		mg/kg	0.83	0.17	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Barium, Total	130		mg/kg	0.83	0.25	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Beryllium, Total	0.35	J	mg/kg	0.42	0.08	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Cadmium, Total	0.18	J	mg/kg	0.83	0.06	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Calcium, Total	15000		mg/kg	8.3	2.5	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Chromium, Total	12		mg/kg	0.83	0.17	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Cobalt, Total	4.7		mg/kg	1.7	0.42	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Copper, Total	58		mg/kg	0.83	0.17	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Iron, Total	14000		mg/kg	4.2	1.7	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Lead, Total	270		mg/kg	4.2	0.17	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Magnesium, Total	6100		mg/kg	8.3	0.83	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Manganese, Total	160		mg/kg	0.83	0.17	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Mercury, Total	0.17		mg/kg	0.07	0.02	1	08/20/14 08:22	08/20/14 16:02	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.1	0.33	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Potassium, Total	820		mg/kg	210	33.	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Selenium, Total	1.4	J	mg/kg	1.7	0.25	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Silver, Total	0.47	J	mg/kg	0.83	0.17	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Sodium, Total	700		mg/kg	170	25.	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.33	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Vanadium, Total	16		mg/kg	0.83	0.08	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG
Zinc, Total	130		mg/kg	4.2	0.58	2	08/21/14 18:57	08/22/14 15:45	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-16
Client ID: SB-45_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 82%

Date Collected: 08/19/14 13:40
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1300		mg/kg	9.3	1.8	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Antimony, Total	2.1	J	mg/kg	4.6	0.74	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Arsenic, Total	22		mg/kg	0.93	0.18	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Barium, Total	63		mg/kg	0.93	0.28	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.46	0.09	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.93	0.07	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Calcium, Total	620		mg/kg	9.3	2.8	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Chromium, Total	7.6		mg/kg	0.48	0.10	1	08/25/14 14:47	08/25/14 19:34	EPA 3050B	1,6010C	MG
Cobalt, Total	2.2		mg/kg	1.8	0.46	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Copper, Total	29		mg/kg	0.93	0.18	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Iron, Total	14000		mg/kg	4.6	1.8	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Lead, Total	160		mg/kg	4.6	0.18	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Magnesium, Total	670		mg/kg	9.3	0.93	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Manganese, Total	24		mg/kg	0.93	0.18	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Mercury, Total	1.2		mg/kg	0.08	0.02	1	08/20/14 08:22	08/20/14 16:04	EPA 7471B	1,7471B	MC
Nickel, Total	7.4		mg/kg	2.3	0.37	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Potassium, Total	580		mg/kg	230	37.	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Selenium, Total	1.5	J	mg/kg	1.8	0.28	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Silver, Total	1.4		mg/kg	0.93	0.18	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Sodium, Total	730		mg/kg	180	28.	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.37	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Vanadium, Total	10		mg/kg	0.93	0.09	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG
Zinc, Total	12		mg/kg	4.6	0.65	2	08/21/14 18:57	08/22/14 15:48	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-17
Client ID: F_SODUP01_5-7
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 08/19/14 00:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9600		mg/kg	9.1	1.8	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Antimony, Total	4.8		mg/kg	4.6	0.73	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Arsenic, Total	7.6		mg/kg	0.91	0.18	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Barium, Total	42		mg/kg	0.91	0.27	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Beryllium, Total	0.79		mg/kg	0.46	0.09	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.91	0.06	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Calcium, Total	9900		mg/kg	9.1	2.7	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Chromium, Total	15		mg/kg	0.91	0.18	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Cobalt, Total	6.1		mg/kg	1.8	0.46	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Copper, Total	68		mg/kg	0.91	0.18	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.6	1.8	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Lead, Total	110		mg/kg	4.6	0.18	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Magnesium, Total	2800		mg/kg	9.1	0.91	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Manganese, Total	180		mg/kg	0.91	0.18	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Mercury, Total	0.07		mg/kg	0.07	0.02	1	08/20/14 08:22	08/20/14 16:06	EPA 7471B	1,7471B	MC
Nickel, Total	22		mg/kg	2.3	0.36	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Potassium, Total	1000		mg/kg	230	36.	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.27	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.91	0.18	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Sodium, Total	330		mg/kg	180	27.	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Vanadium, Total	16		mg/kg	0.91	0.09	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG
Zinc, Total	77		mg/kg	4.6	0.64	2	08/21/14 18:57	08/22/14 15:52	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1418860
Project Number: 170229002
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-18
Client ID: F_SOFB01_081914
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/19/14 15:45
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Antimony, Total	0.00010	J	mg/l	0.00200	0.00010	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Barium, Total	0.00022	J	mg/l	0.00050	0.00010	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Chromium, Total	0.00024	J	mg/l	0.00100	0.00020	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Copper, Total	0.00112		mg/l	0.00100	0.00010	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Magnesium, Total	0.00409	J	mg/l	0.0700	0.00243	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/20/14 14:46	08/20/14 18:27	EPA 7470A	1,7470A	AK
Nickel, Total	ND		mg/l	0.00050	0.00010	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0270	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Sodium, Total	0.0301	J	mg/l	0.100	0.0150	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL
Zinc, Total	0.00242	J	mg/l	0.01000	0.00120	1	08/20/14 09:24	08/21/14 13:30	EPA 3005A	1,6020A	KL

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-17 Batch: WG715288-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/20/14 08:22	08/20/14 12:47	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 18 Batch: WG715363-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Antimony, Total	0.00035	J	mg/l	0.00200	0.00010	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Chromium, Total	ND		mg/l	0.00100	0.00020	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Copper, Total	0.00062	J	mg/l	0.00100	0.00010	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.00243	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Nickel, Total	ND		mg/l	0.00050	0.00010	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0270	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Sodium, Total	0.0459	J	mg/l	0.100	0.0150	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL
Zinc, Total	0.00202	J	mg/l	0.01000	0.00120	1	08/20/14 09:24	08/21/14 13:23	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 18 Batch: WG715477-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/20/14 14:46	08/20/14 18:00	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-12 Batch: WG715887-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1418860

Project Number: 170229002 **Report Date:** 08/27/14

Method Blank Analysis
Batch Quality Control

Zinc, Total	ND		mg/kg	2.0	0.28	1	08/21/14 17:01	08/22/14 11:48	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 13-17 Batch: WG715912-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Chromium, Total	0.56		mg/kg	0.40	0.08	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Iron, Total	1.9	J	mg/kg	2.0	0.80	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Selenium, Total	0.20	J	mg/kg	0.80	0.12	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/21/14 18:57	08/22/14 14:48	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 13,16 Batch: WG716640-1										
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/25/14 14:47	08/25/14 16:37	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-17 Batch: WG715288-2 SRM Lot Number: D083-540								
Mercury, Total	100		-		75-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 18 Batch: WG715363-2					
Aluminum, Total	96	-	80-120	-	
Antimony, Total	107	-	80-120	-	
Arsenic, Total	103	-	80-120	-	
Barium, Total	100	-	80-120	-	
Beryllium, Total	98	-	80-120	-	
Cadmium, Total	114	-	80-120	-	
Calcium, Total	98	-	80-120	-	
Chromium, Total	104	-	80-120	-	
Cobalt, Total	109	-	80-120	-	
Copper, Total	108	-	80-120	-	
Iron, Total	111	-	80-120	-	
Lead, Total	101	-	80-120	-	
Magnesium, Total	99	-	80-120	-	
Manganese, Total	103	-	80-120	-	
Nickel, Total	107	-	80-120	-	
Potassium, Total	80	-	80-120	-	
Selenium, Total	96	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	95	-	80-120	-	
Thallium, Total	97	-	80-120	-	
Vanadium, Total	113	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 18 Batch: WG715363-2					
Zinc, Total	111	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 18 Batch: WG715477-2					
Mercury, Total	83	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-12 Batch: WG715887-2 SRM Lot Number: D083-540					
Aluminum, Total	79	-	51-148	-	
Antimony, Total	155	-	1-210	-	
Arsenic, Total	106	-	78-122	-	
Barium, Total	96	-	82-117	-	
Beryllium, Total	99	-	82-118	-	
Cadmium, Total	95	-	82-118	-	
Calcium, Total	91	-	82-118	-	
Chromium, Total	98	-	79-121	-	
Cobalt, Total	101	-	83-117	-	
Copper, Total	102	-	80-120	-	
Iron, Total	99	-	47-153	-	
Lead, Total	100	-	81-119	-	
Magnesium, Total	93	-	75-124	-	
Manganese, Total	92	-	81-119	-	
Nickel, Total	99	-	82-118	-	
Potassium, Total	92	-	70-130	-	
Selenium, Total	102	-	78-123	-	
Silver, Total	102	-	74-125	-	
Sodium, Total	102	-	70-130	-	
Thallium, Total	103	-	78-122	-	
Vanadium, Total	100	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-12 Batch: WG715887-2 SRM Lot Number: D083-540					
Zinc, Total	97	-	80-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 13-17 Batch: WG715912-2 SRM Lot Number: D083-540					
Aluminum, Total	78	-	51-148	-	
Antimony, Total	164	-	1-210	-	
Arsenic, Total	106	-	78-122	-	
Barium, Total	96	-	82-117	-	
Beryllium, Total	101	-	82-118	-	
Cadmium, Total	98	-	82-118	-	
Calcium, Total	96	-	82-118	-	
Chromium, Total	98	-	79-121	-	
Cobalt, Total	98	-	83-117	-	
Copper, Total	99	-	80-120	-	
Iron, Total	99	-	47-153	-	
Lead, Total	90	-	81-119	-	
Magnesium, Total	89	-	75-124	-	
Manganese, Total	100	-	81-119	-	
Nickel, Total	96	-	82-118	-	
Potassium, Total	92	-	70-130	-	
Selenium, Total	102	-	78-123	-	
Silver, Total	102	-	74-125	-	
Sodium, Total	93	-	70-130	-	
Thallium, Total	95	-	78-122	-	
Vanadium, Total	101	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 13-17 Batch: WG715912-2 SRM Lot Number: D083-540					
Zinc, Total	97	-	80-121	-	
Total Metals - Westborough Lab Associated sample(s): 13,16 Batch: WG716640-2 SRM Lot Number: D083-540					
Chromium, Total	96	-	79-121	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG715288-3 WG715288-4 QC Sample: L1418860-12 Client ID: SB-43_6-8												
Mercury, Total	0.30	0.136	0.46	117		0.84	**394**	Q	80-120	**58**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 18	QC Batch ID: WG715363-3	WG715363-4	QC Sample: L1418813-02	Client ID: MS Sample							
Aluminum, Total	0.348	2	2.49	105		2.25	93		75-125	10	20
Antimony, Total	0.00203	0.5	0.5242	100		0.5036	96		75-125	4	20
Arsenic, Total	0.00028J	0.12	0.1277	106		0.1183	98		75-125	8	20
Barium, Total	0.04299	2	2.258	111		2.072	101		75-125	9	20
Beryllium, Total	ND	0.05	0.05186	104		0.04906	98		75-125	6	20
Cadmium, Total	ND	0.051	0.05656	111		0.05326	104		75-125	6	20
Calcium, Total	71.7	10	87.1	**154**	Q	78.5	**68**	Q	75-125	10	20
Chromium, Total	0.00360	0.2	0.2230	112		0.2056	103		75-125	8	20
Cobalt, Total	0.00061	0.5	0.5668	113		0.5206	104		75-125	8	20
Copper, Total	0.00210	0.25	0.2802	112		0.2618	105		75-125	7	20
Iron, Total	0.735	1	1.91	**191**	Q	1.69	**169**	Q	75-125	12	20
Lead, Total	0.00061J	0.51	0.5524	108		0.4958	97		75-125	11	20
Magnesium, Total	6.07	10	18.0	103		16.5	88		75-125	9	20
Manganese, Total	0.07362	0.5	0.6168	108		0.5586	96		75-125	10	20
Nickel, Total	0.00492	0.5	0.5624	112		0.4962	99		75-125	13	20
Potassium, Total	3.70	10	16.7	124		15.2	109		75-125	9	20
Selenium, Total	0.00880	0.12	0.141	118		0.126	105		75-125	11	20
Silver, Total	ND	0.05	0.05826	116		0.05242	105		75-125	11	20
Sodium, Total	21.9	10	12.5	**23**	Q	11.9	**17**	Q	75-125	5	20
Thallium, Total	ND	0.12	0.1249	104		0.1157	96		75-125	8	20
Vanadium, Total	0.00118J	0.5	0.5788	116		0.5178	104		75-125	11	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 18	QC Batch ID: WG715363-3				WG715363-4		QC Sample: L1418813-02	Client ID:	MS Sample
Zinc, Total	0.01642	0.5	0.5910	118	0.5428	108	75-125	9	20
Total Metals - Westborough Lab Associated sample(s): 18	QC Batch ID: WG715477-3				WG715477-4		QC Sample: L1418813-02	Client ID:	MS Sample
Mercury, Total	ND	0.005	0.00400	80	0.00411	82	75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG715887-3 WG715887-4 QC Sample: L1418860-12 Client ID: SB-43_6-8												
Aluminum, Total	11000	162	11000	**0**	Q	11000	**0**	Q	75-125	0		20
Antimony, Total	11.	40.6	49	94		46	84		75-125	6		20
Arsenic, Total	19.	9.73	21	**20**	Q	20	**10**	Q	75-125	5		20
Barium, Total	70.	162	190	**74**	Q	200	78		75-125	5		20
Beryllium, Total	0.62	4.06	4.3	91		4.3	88		75-125	0		20
Cadmium, Total	ND	4.14	3.9	94		3.9	92		75-125	0		20
Calcium, Total	42000	811	44000	**246**	Q	43000	120		75-125	2		20
Chromium, Total	18.	16.2	32	86		31	78		75-125	3		20
Cobalt, Total	4.4	40.6	43	95		43	93		75-125	0		20
Copper, Total	67.	20.3	64	**0**	Q	66	**0**	Q	75-125	3		20
Iron, Total	20000	81.1	15000	**0**	Q	15000	**0**	Q	75-125	0		20
Lead, Total	740	41.4	540	**0**	Q	760	**47**	Q	75-125	**34**	Q	20
Magnesium, Total	2300	811	2900	**74**	Q	3000	84		75-125	3		20
Manganese, Total	130	40.6	160	**74**	Q	150	**48**	Q	75-125	6		20
Nickel, Total	10.	40.6	48	94		48	91		75-125	0		20
Potassium, Total	2400	811	3200	99		3100	84		75-125	3		20
Selenium, Total	1.4J	9.73	11	113		10	100		75-125	10		20
Silver, Total	ND	24.3	25	103		25	100		75-125	0		20
Sodium, Total	670	811	1600	115		1500	100		75-125	6		20
Thallium, Total	ND	9.73	9.4	96		9.3	93		75-125	1		20
Vanadium, Total	21.	40.6	59	94		58	89		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG715887-3 WG715887-4 QC Sample: L1418860-12 Client ID: SB-43_6-8										
Zinc, Total	45.	40.6	76	76	75	**72**	Q	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 13-17 QC Batch ID: WG715912-4 QC Sample: L1418860-13 Client ID: SB-44_0-2										
Aluminum, Total	8800	169	8500	**0**	Q	-	-	75-125	-	20
Antimony, Total	0.93J	42.3	45	106		-	-	75-125	-	20
Arsenic, Total	6.8	10.1	17	100		-	-	75-125	-	20
Barium, Total	110	169	260	89		-	-	75-125	-	20
Beryllium, Total	0.45	4.23	4.6	98		-	-	75-125	-	20
Cadmium, Total	0.18J	4.31	4.3	100		-	-	75-125	-	20
Calcium, Total	56000	846	45000	**0**	Q	-	-	75-125	-	20
Chromium, Total	ND	16.9	27	103		-	-	75-125	-	20
Cobalt, Total	3.2	42.3	43	94		-	-	75-125	-	20
Copper, Total	22.	21.1	47	118		-	-	75-125	-	20
Iron, Total	9200	84.6	10000	**946**	Q	-	-	75-125	-	20
Lead, Total	220	43.1	240	**46**	Q	-	-	75-125	-	20
Magnesium, Total	9800	846	8300	**0**	Q	-	-	75-125	-	20
Manganese, Total	230	42.3	280	118		-	-	75-125	-	20
Nickel, Total	7.0	42.3	46	92		-	-	75-125	-	20
Potassium, Total	570	846	1500	110		-	-	75-125	-	20
Selenium, Total	ND	10.1	9.6	95		-	-	75-125	-	20
Silver, Total	ND	25.4	27	106		-	-	75-125	-	20
Sodium, Total	1200	846	2100	106		-	-	75-125	-	20
Thallium, Total	ND	10.1	8.7	86		-	-	75-125	-	20
Vanadium, Total	17.	42.3	66	116		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 13-17 QC Batch ID: WG715912-4 QC Sample: L1418860-13 Client ID: SB-44_0-2										
Zinc, Total	150	42.3	150	**0**	Q	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 13,16 QC Batch ID: WG716640-4 QC Sample: L1419250-01 Client ID: MS Sample										
Chromium, Total	11.	19	28	90		-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 13-17 QC Batch ID: WG715912-3 QC Sample: L1418860-13 Client ID: SB-44_0-2						
Aluminum, Total	8800	9000	mg/kg	2		20
Antimony, Total	0.93J	ND	mg/kg	NC		20
Arsenic, Total	6.8	8.4	mg/kg	**21**	Q	20
Barium, Total	110	110	mg/kg	0		20
Beryllium, Total	0.45	0.48	mg/kg	6		20
Cadmium, Total	0.18J	0.09J	mg/kg	NC		20
Calcium, Total	56000	39000	mg/kg	**36**	Q	20
Cobalt, Total	3.2	3.6	mg/kg	12		20
Copper, Total	22.	19	mg/kg	15		20
Iron, Total	9200	13000	mg/kg	**34**	Q	20
Lead, Total	220	140	mg/kg	**44**	Q	20
Magnesium, Total	9800	5900	mg/kg	**50**	Q	20
Manganese, Total	230	240	mg/kg	4		20
Nickel, Total	7.0	7.6	mg/kg	8		20
Potassium, Total	570	450	mg/kg	**24**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	0.41J	mg/kg	NC		20
Sodium, Total	1200	1400	mg/kg	15		20
Thallium, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 13-17 QC Batch ID: WG715912-3 QC Sample: L1418860-13 Client ID: SB-44_0-2						
Vanadium, Total	17.	15	mg/kg	13		20
Zinc, Total	150	90	mg/kg	**50**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-01
Client ID: SB-38_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 10:55
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.92	0.92	1	-	08/26/14 09:00	107,-	JO
Solids, Total	87.3		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	08/20/14 22:20	08/21/14 15:53	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.92	0.18	1	08/21/14 20:00	08/25/14 14:23	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-02
Client ID: SB-38_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 11:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	31		mg/kg	0.86	0.86	1	-	08/26/14 09:00	107,-	JO
Solids, Total	92.7		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.23	1	08/20/14 22:20	08/21/14 15:54	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.86	0.17	1	08/21/14 20:00	08/25/14 14:24	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-03
Client ID: SB-39_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 13:50
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	8.4		mg/kg	0.90	0.90	1	-	08/26/14 09:00	107,-	JO
Solids, Total	89.0		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	0.29	J	mg/kg	1.0	0.25	1	08/20/14 22:20	08/21/14 15:54	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.90	0.18	1	08/21/14 20:00	08/25/14 14:24	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-04
Client ID: SB-39_5-7
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 13:55
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	8.8		mg/kg	0.96	0.96	1	-	08/26/14 09:00	107,-	JO
Solids, Total	83.4		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	08/20/14 22:20	08/21/14 15:55	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.96	0.19	1	08/21/14 20:00	08/25/14 14:25	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-05
Client ID: SB-40_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 10:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	6.9		mg/kg	0.82	0.82	1	-	08/26/14 09:00	107,-	JO
Solids, Total	97.4		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	ND		mg/kg	0.94	0.22	1	08/20/14 22:20	08/21/14 16:41	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.82	0.16	1	08/21/14 20:00	08/25/14 14:25	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-06
Client ID: SB-40_5-7
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 10:05
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	10		mg/kg	0.87	0.87	1	-	08/26/14 09:00	107,-	JO
Solids, Total	92.2		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/20/14 22:20	08/21/14 16:42	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	08/21/14 20:00	08/25/14 14:26	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-07
Client ID: SB-41_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 12:15
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	31		mg/kg	0.88	0.88	1	-	08/26/14 09:00	107,-	JO
Solids, Total	90.4		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	0.35	J	mg/kg	1.1	0.25	1	08/20/14 22:20	08/21/14 16:42	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.88	0.18	1	08/21/14 20:00	08/25/14 14:27	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-08
Client ID: SB-41_7-9
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 12:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	5.6		mg/kg	0.98	0.98	1	-	08/26/14 09:00	107,-	JO
Solids, Total	81.8		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	08/20/14 22:20	08/21/14 16:43	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.98	0.20	1	08/21/14 20:00	08/25/14 14:27	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-09
Client ID: SB-42_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 10:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	5.8		mg/kg	0.81	0.81	1	-	08/26/14 09:00	107,-	JO
Solids, Total	99.0		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	0.50	J	mg/kg	0.95	0.22	1	08/20/14 22:20	08/21/14 16:44	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.81	0.16	1	08/21/14 20:00	08/25/14 14:28	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-10
Client ID: SB-42_6-8
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 10:25
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	10		mg/kg	0.88	0.88	1	-	08/26/14 09:00	107,-	JO
Solids, Total	90.3		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	0.79	J	mg/kg	1.0	0.24	1	08/20/14 22:20	08/21/14 16:45	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.88	0.18	1	08/21/14 20:00	08/25/14 14:31	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-11
Client ID: SB-43_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 09:45
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	10		mg/kg	1.0	1.0	1	-	08/26/14 09:00	107,-	JO
Solids, Total	75.7		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.30	1	08/20/14 22:20	08/21/14 16:46	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	1.0	0.21	1	08/21/14 20:00	08/25/14 14:31	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-12
Client ID: SB-43_6-8
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 09:50
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	0.85	0.85	1	-	08/26/14 09:00	107,-	JO
Solids, Total	93.9		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	08/20/14 22:20	08/21/14 16:46	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.85	0.17	1	08/21/14 20:00	08/25/14 14:32	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-13
Client ID: SB-44_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 13:20
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	8.7		mg/kg	0.89	0.89	1	-	08/26/14 09:00	107,-	JO
Solids, Total	89.6		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	0.34	J	mg/kg	1.0	0.24	1	08/20/14 22:20	08/21/14 16:50	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.89	0.18	1	08/21/14 20:00	08/25/14 14:32	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-14
Client ID: SB-44_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 13:25
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.90	0.90	1	-	08/26/14 09:00	107,-	JO
Solids, Total	89.3		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	0.29	J	mg/kg	1.0	0.24	1	08/21/14 01:00	08/21/14 17:00	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.90	0.18	1	08/21/14 20:00	08/25/14 14:33	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-15
Client ID: SB-45_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 13:35
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	0.88	0.88	1	-	08/26/14 09:00	107,-	JO
Solids, Total	91.3		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/21/14 01:00	08/21/14 17:01	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.88	0.18	1	08/21/14 20:00	08/25/14 14:33	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-16
Client ID: SB-45_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 13:40
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	7.6		mg/kg	0.98	0.98	1	-	08/26/14 09:00	107,-	JO
Solids, Total	81.6		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	08/21/14 01:00	08/21/14 17:02	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.98	0.20	1	08/21/14 20:00	08/25/14 14:34	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-17
Client ID: F_SODUP01_5-7
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 08/19/14 00:00
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	15		mg/kg	0.92	0.92	1	-	08/26/14 09:00	107,-	JO
Solids, Total	86.5		%	0.100	NA	1	-	08/20/14 01:45	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	08/21/14 01:00	08/21/14 17:30	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.92	0.18	1	08/21/14 20:00	08/25/14 14:34	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

SAMPLE RESULTS

Lab ID: L1418860-18
Client ID: F_SOFB01_081914
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/19/14 15:45
Date Received: 08/19/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	08/26/14 09:07	107,-	JO
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	08/21/14 10:19	08/21/14 17:15	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/20/14 01:00	08/20/14 01:22	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 18 Batch: WG715295-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/20/14 01:00	08/20/14 01:21	1,7196A	EL
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG715605-1										
Cyanide, Total	ND		mg/kg	0.99	0.23	1	08/20/14 22:20	08/21/14 15:39	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 04-13 Batch: WG715606-1										
Cyanide, Total	ND		mg/kg	0.99	0.23	1	08/20/14 22:20	08/21/14 15:40	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 14-17 Batch: WG715631-1										
Cyanide, Total	ND		mg/kg	0.83	0.19	1	08/21/14 01:00	08/21/14 16:57	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 18 Batch: WG715723-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/21/14 10:19	08/21/14 17:09	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG715960-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	08/21/14 20:00	08/25/14 14:20	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 10-17 Batch: WG715961-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	08/21/14 20:00	08/25/14 14:20	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418860

Report Date: 08/27/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 18 Batch: WG715295-2								
Chromium, Hexavalent	98		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG715605-2 WG715605-3								
Cyanide, Total	83		**133**	Q	80-120	**47**	Q	35
General Chemistry - Westborough Lab Associated sample(s): 04-13 Batch: WG715606-2 WG715606-3								
Cyanide, Total	84		**126**	Q	80-120	**40**	Q	35
General Chemistry - Westborough Lab Associated sample(s): 14-17 Batch: WG715631-2 WG715631-3								
Cyanide, Total	**121**	Q	**79**	Q	80-120	**36**	Q	35
General Chemistry - Westborough Lab Associated sample(s): 18 Batch: WG715723-2 WG715723-3								
Cyanide, Total	106		107		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG715960-2								
Chromium, Hexavalent	104		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 10-17 Batch: WG715961-2								
Chromium, Hexavalent	104		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 18 QC Batch ID: WG715295-4 QC Sample: L1418860-18 Client ID: F_SOFB01_081914												
Chromium, Hexavalent	ND	0.1	0.095	95		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG715605-4 WG715605-5 QC Sample: L1418855-08 Client ID: MS Sample												
Cyanide, Total	ND	13	12	95		12	100		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 04-13 QC Batch ID: WG715606-4 WG715606-5 QC Sample: L1418860-12 Client ID: SB-43_6-8												
Cyanide, Total	ND	10	11	110		9.4	97		65-135	16		35
General Chemistry - Westborough Lab Associated sample(s): 14-17 QC Batch ID: WG715631-4 WG715631-5 QC Sample: L1418860-16 Client ID: SB-45_3-5												
Cyanide, Total	ND	12	13	110		12	100		65-135	8		35
General Chemistry - Westborough Lab Associated sample(s): 18 QC Batch ID: WG715723-4 WG715723-5 QC Sample: L1418860-18 Client ID: F_SOFB01_081914												
Cyanide, Total	0.002J	0.2	0.217	108		0.213	106		80-120	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG715960-5 QC Sample: L1418860-06 Client ID: SB-40_5-7												
Chromium, Hexavalent	ND	1330	1300	98		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 10-17 QC Batch ID: WG715961-5 WG715961-6 QC Sample: L1418860-12 Client ID: SB-43_6-8												
Chromium, Hexavalent	ND	1140	1000	87		1100	90		75-125	10		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 18 QC Batch ID: WG715295-3 QC Sample: L1418860-18 Client ID: F_SOFB01_081914						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG715299-1 QC Sample: L1418851-21 Client ID: DUP Sample						
Solids, Total	84.0	83.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG715960-4 QC Sample: L1418860-06 Client ID: SB-40_5-7						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 10-17 QC Batch ID: WG715961-4 QC Sample: L1418860-12 Client ID: SB-43_6-8						
Chromium, Hexavalent	ND	0.29J	mg/kg	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 08/19/2014 23:59

Cooler Information Custody Seal

Cooler	
A	Absent
D	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-01A	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1418860-01B	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1418860-01C	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1418860-01D	Plastic 2oz unpreserved for TS	A	N/A	2.5	Y	Absent	TS(7)
L1418860-01E	Amber 250ml unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-01F	Amber 500ml unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-01X	Vial MeOH preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1418860-01Y	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-01Z	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1418860-02A	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-02B	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-02C	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-02D	Plastic 2oz unpreserved for TS	D	N/A	2.8	Y	Absent	TS(7)
L1418860-02E	Amber 250ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-02F	Amber 500ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-02X	Vial MeOH preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-02Y	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-02Z	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-03A	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-03B	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-03C	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-03D	Plastic 2oz unpreserved for TS	B	N/A	3.3	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-03E	Amber 250ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-03F	Amber 500ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-03X	Vial MeOH preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-03Y	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-03Z	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-04A	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-04B	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-04C	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-04D	Plastic 2oz unpreserved for TS	B	N/A	3.3	Y	Absent	TS(7)
L1418860-04E	Amber 250ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-04F	Amber 500ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-04X	Vial MeOH preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-04Y	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-04Z	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-05A	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-05B	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-05C	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-05D	Plastic 2oz unpreserved for TS	D	N/A	2.8	Y	Absent	TS(7)
L1418860-05E	Amber 250ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-05F	Amber 500ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-05X	Vial MeOH preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-05Y	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-05Z	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-06A	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-06B	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-06C	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-06D	Plastic 2oz unpreserved for TS	D	N/A	2.8	Y	Absent	TS(7)
L1418860-06E	Amber 250ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-06F	Amber 500ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-06X	Vial MeOH preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-06Y	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-06Z	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-07A	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1418860-07B	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1418860-07C	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1418860-07D	Plastic 2oz unpreserved for TS	A	N/A	2.5	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-07E	Amber 250ml unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-07F	Amber 500ml unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-07X	Vial MeOH preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1418860-07Y	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1418860-07Z	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1418860-08A	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1418860-08B	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1418860-08C	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1418860-08D	Plastic 2oz unpreserved for TS	A	N/A	2.5	Y	Absent	TS(7)
L1418860-08E	Amber 250ml unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-08F	Amber 500ml unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-08X	Vial MeOH preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1418860-08Y	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1418860-08Z	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1418860-09A	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-09B	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-09C	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-09D	Plastic 2oz unpreserved for TS	D	N/A	2.8	Y	Absent	TS(7)
L1418860-09E	Amber 250ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-09F	Amber 500ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-09X	Vial MeOH preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-09Y	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

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Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-09Z	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-10A	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1418860-10B	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1418860-10C	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1418860-10D	Plastic 2oz unpreserved for TS	A	N/A	2.5	Y	Absent	TS(7)
L1418860-10E	Amber 250ml unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-10F	Amber 500ml unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-10X	Vial MeOH preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1418860-10Y	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1418860-10Z	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1418860-11A	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-11B	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-11C	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-11D	Plastic 2oz unpreserved for TS	D	N/A	2.8	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-11E	Amber 250ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-11F	Amber 500ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-11X	Vial MeOH preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-11Y	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-11Z	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-12A	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-12A1	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-12A2	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-12B	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-12B1	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-12B2	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-12C	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-12C1	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-12C2	5 gram Encore Sampler	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1418860-12D	Plastic 2oz unpreserved for TS	D	N/A	2.8	Y	Absent	TS(7)
L1418860-12D1	Plastic 2oz unpreserved for TS	D	N/A	2.8	Y	Absent	TS(7)
L1418860-12D2	Plastic 2oz unpreserved for TS	D	N/A	2.8	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-12E	Amber 250ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-12E1	Amber 250ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-12E2	Amber 250ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-12F	Amber 500ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-12F1	Amber 500ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-12F2	Amber 500ml unpreserved	D	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-12X	Vial MeOH preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-12X1	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-12Y	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-12Z	Vial Water preserved split	D	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1418860-13A	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-13B	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-13C	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-13D	Plastic 2oz unpreserved for TS	B	N/A	3.3	Y	Absent	TS(7)
L1418860-13E	Amber 250ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-13F	Amber 500ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-13X	Vial MeOH preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-13Y	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-13Z	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-14A	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-14B	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-14C	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-14D	Plastic 2oz unpreserved for TS	B	N/A	3.3	Y	Absent	TS(7)
L1418860-14E	Amber 250ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-14F	Amber 500ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-14X	Vial MeOH preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-14Y	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-14Z	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-15A	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-15B	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-15C	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-15D	Plastic 2oz unpreserved for TS	B	N/A	3.3	Y	Absent	TS(7)
L1418860-15E	Amber 250ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-15F	Amber 500ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-15X	Vial MeOH preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-15Y	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-15Z	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-16A	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-16B	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-16C	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-16D	Plastic 2oz unpreserved for TS	B	N/A	3.3	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-16E	Amber 250ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-16F	Amber 500ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-16X	Vial MeOH preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-16Y	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-16Z	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-17A	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-17B	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-17C	5 gram Encore Sampler	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1418860-17D	Plastic 2oz unpreserved for TS	B	N/A	3.3	Y	Absent	TS(7)
L1418860-17E	Amber 250ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418860-17F	Amber 500ml unpreserved	B	N/A	3.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418860-17X	Vial MeOH preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-17Y	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-17Z	Vial Water preserved split	B	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1418860-18A	Vial HCl preserved	C	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1418860-18B	Vial HCl preserved	C	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1418860-18C	Vial HCl preserved	C	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1418860-18D	Plastic 250ml NaOH preserved	C	>12	4.2	Y	Absent	TCN-9010(14)
L1418860-18E	Plastic 500ml unpreserved	C	7	4.2	Y	Absent	HEXCR-7196(1)
L1418860-18F	Plastic 500ml HNO3 preserved	C	<2	4.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1418860-18G	Amber 500ml unpreserved	C	7	4.2	Y	Absent	NYTCL-8081(7)
L1418860-18H	Amber 500ml unpreserved	C	7	4.2	Y	Absent	NYTCL-8081(7)
L1418860-18I	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1418860-18J	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1418860-18K	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	HERB-APA(7)
L1418860-18L	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	HERB-APA(7)
L1418860-18M	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1418860-18N	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1418860-19A	Vial HCl preserved	B	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1418860-19B	Vial HCl preserved	B	N/A	3.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418860
Report Date: 08/27/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)

Container Comments

L1418860-12E2

L1418860-13Y

L1418860-16E

L1418860-17E

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1418860
Project Number:	170229002	**Report Date:**	08/27/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1418860
Project Number:	170229002	**Report Date:**	08/27/14

Data Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418860
Report Date: 08/27/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

SOIL

Serial_No:08271419:41

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 8/19/14

ALPHA Job #: L1418860

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANGAN D.P.C.

Address:

Phone:

Fax:

Email: gwykoe@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING

Project Location: BROOKLYN, NY

Project #: 170229002

Project Manager: MIMI RAYGORODETSKY

ALPHA Quote #: 20146687

Turn-Around Time

☒ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: 8/26/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC

Criteria: PART 375/CP-51 UNRESTRICTED USE SCO's

Other Project Specific Requirements/Comments/Detection Limits:

1) PROVIDE EDD'S
2) PROVIDE ASP CATEGORY B DELIVERABLES

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOCs (TCL/TAL)	SVOCs (TCL/TAL)	PCBs (TCL/TAL)	PEST's (TCL/TAL)	METALS (TCL/TAL)	METALS (TCL/TAL)	CYANIDE	TAL METALS (TOTAL)	HEX. CHROM.	TOTAL # BOTTLES	Sample Specific Comments
18860-01	SB-38_0-2	8/19/14	10:55	SOIL		X	X	X	X	X		X	X	X	5	(1) LG. AMBER (3) ENCORE (1) 8oz. AMBER (1) PLASTIC
-02	SB-38_3-5		11:00			X	X	X	X	X		X	X	X		
-03	SB-39_0-2		13:50			X	X	X	X	X		X	X	X		
-04	SB-39_5-7		13:55			X	X	X	X	X		X	X	X		
-05	SB-40_0-2		10:00			X	X	X	X	X		X	X	X		
-06	SB-40_5-7		10:05			X	X	X	X	X		X	X	X		
-07	SB-41_0-2		12:15			X	X	X	X	X		X	X	X		
-08	SB-41_7-9		12:20			X	X	X	X	X		X	X	X		
-09	SB-42_0-2		10:20			X	X	X	X	X		X	X	X		
-10	SB-42_6-8		10:25			X	X	X	X	X		X	X	X		

Container Type															
Preservative															

Relinquished By:	Date/Time	Received By:	Date/Time
	8/19/14 16:15		8-19-14 16:15
	8-19-14 19:10		8/19/14 19:10
	8/19/14 23:00		8/19/14 23:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

SOIL

CHAIN OF CUSTODY

PAGE 2 OF 2

Serial_No:08271419:41

Date Rec'd in Lab: 8/19/14

ALPHA Job #: L1418860

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANGAN D.P.C.

Address:

Phone:

Fax:

Email: guyka@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING

Project Location: BROOKLYN, NY

Project #: 170229002

Project Manager: MIMI RAYGORODETSKY

ALPHA Quote #: 2014687

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 8/26/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC

Criteria: PART 375/CP-51 UNRESTRICTED USE SCO's

Other Project Specific Requirements/Comments/Detection Limits:
1) PROVIDE EDD's
2) PROVIDE ASP CATEGORY B DELIVERABLES

ANALYSIS: VOCs (TCL/TAL), SVOCs (TCL/TAL), PCBs (TCL/TAL), PESTs (TCL/TAL), HERBs (TCL/TAL), METALS (TCL/TAL), CYANIDE, TRIVALENT CHROM., FLEX. CHROM.

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCBs	PESTs	HERBs	METALS	CYANIDE	TRIVALENT CHROM.	FLEX. CHROM.	Sample Specific Comments
18860-11	SB-43_0-2	8/19/14	9:45	SOIL	[illegible]	X	→	→	→	→	→	→	X		(1) LG. AMBER (3) ENCORE (1) 8oz. AMBER (1) PLASTIC
-12	SB-43_6-8		9:50			X	→	→	→	→	→	→	X		
-13	SB-44_0-2		13:20			X	→	→	→	→	→	→	X		
-14	SB-44_3-5		13:25			X	→	→	→	→	→	→	X		
-15	SB-45_0-2		13:35			X	→	→	→	→	→	→	X		
-16	SB-45_3-5		13:40			X	→	→	→	→	→	→	X		
-17	F_SODUP01_5-7		-			X	→	→	→	→	→	→	X		
-12	SB-43_6-8_MS		9:50			X	→	→	→	→	→	→	X		
-12	SB-43_6-8_MSD		9:50			X	→	→	→	→	→	→	X		
-18	F_SOFB01_081914		15:45			X	→	→	→	→	→	→	X		ASSORTED
-19	F_SOTB01_081914		-			X									(2) 40ML VOAS

Container Type

Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/19/14 16:15	[signature] AAL	8-19-14 1615
[signature]	8-19-14 19:10	[signature]	8/19/14 19:10
[signature]	8/19/14 23:00	[signature]	8/19/14 23:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX G

LABORATORY ANALYTICAL DATA REPORTS - GROUNDWATER

ANALYTICAL REPORT

Lab Number:	L1419470
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/03/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1419470-01	MW-38_082614	WATER	BROOKLYN, NY	08/26/14 14:12	08/26/14
L1419470-02	MW-39_082614	WATER	BROOKLYN, NY	08/26/14 15:40	08/26/14
L1419470-03	F_GWDUP01_082614	WATER	BROOKLYN, NY	08/26/14 00:00	08/26/14
L1419470-04	F_GWTB01_082614	WATER	BROOKLYN, NY	08/26/14 00:00	08/26/14

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419470
Project Number:	170229002	**Report Date:**	09/03/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

At the client's request, the sample L1419470-04 was only analyzed for Volatile Organics.

Volatile Organics

The WG717425-4/-5 MS/MSD recoveries, performed on L1419470-01, are outside the acceptance criteria for 1,1,2-trichloroethane (134%/141%), trichlorofluoromethane (MSD at 153%), 1,1,2,2-tetrachloroethane (138%/140%),chloroethane (MSD at 148%), methyl tert butyl ether (133%/140%), 1,2,3-trichloropropane (154%/157%), tert-butyl alcohol (163%/167%), 2-butanone (143%/144%), 4-methyl-2-pentanone (144%/144%), 2-hexanone (162%/160%), 1,3-dichloropropane (MSD at 137%), naphthalene (160%/170%), 1,2,3-trichlorobenzene (MSD at 132%), methyl acetate (131%/137%), ethyl acetate (137%/139%), and 1,4-dioxane (164%/163%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

The WG717425-4/-5 MS/MSD RPD, performed on L1419470-01, is above the acceptance criteria for bromomethane (22%).

Semivolatile Organics

The WG717388-2/-3 LCS/LCSD recoveries, associated with L1419470-01 through -03, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

The WG717388-4/-5 MS/MSD recoveries, performed on L1419470-01, are outside the acceptance criteria for 3,3'-dichlorobenzidine (MS at 30%), 4-chloroaniline (MS at 22%), 3-nitroaniline (9%/21%), and benzaldehyde (MS at 38%).

The WG717388-4/-5 MS/MSD RPD, performed on L1419470-01, is above the acceptance criteria for 3,3'-dichlorobenzidine (70%), 4-chloroaniline (22%/99%), 3-nitroaniline (80%), benzaldehyde (54%), and atrazine (38%) .

Project Name: GREENPOINT LANDING **Lab Number:** L1419470
Project Number: 170229002 **Report Date:** 09/03/14

Case Narrative (continued)

Total Metals

L1419470-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG717237-1 Method Blank, associated with L1419470-01 through -03, has a concentration above the reporting limit for potassium and sodium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

The WG717237-3 MS recoveries for calcium (0%/0%), iron (0%/0%), magnesium (20%/260%), manganese (0%/0%), potassium (0%/0%), and sodium (0%/0%), performed on L1419470-01, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG717237-3/-4 MS/MSD recoveries, performed on L1419470-01, are outside the acceptance criteria for antimony (MSD at 131%), cadmium (MSD at 128%), vanadium (MSD at 128%), and zinc (132%/133%). A post digestion spike was performed and was within acceptance criteria.

Dissolved Metals

L1419470-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

L1419470-01: The dissolved result is greater than the total result for magnesium. The sample containers were verified as being labeled correctly by the laboratory, and aliquots were analyzed from each bottle, confirming the original results.

L1419470-03: The dissolved results are greater than the total result for sodium and potassium. The sample containers were verified as being labeled correctly by the laboratory, and aliquots were analyzed from each bottle, confirming the original results.

The WG717623-1 Method Blank, associated with L1419470-01 through -03, has a concentration above the reporting limit for sodium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

The WG717623-3/-4 MS/MSD recoveries for calcium (MSD at 180%), iron (1070%/1090%), magnesium (160%/0%), manganese (190%/184%), potassium (350%/310%), and sodium (0%/0%), performed on L1419470-01, do not apply because the sample concentrations are greater than four times the spike amounts

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419470
Project Number:	170229002	**Report Date:**	09/03/14

Case Narrative (continued)

added.

The WG717623-4 MS recovery, performed on L1419470-01, is outside the acceptance criteria for vanadium (126%). A post digestion spike was performed and was within acceptance criteria.

Chromium, Hexavalent

L1419470-01 has an elevated detection limit due to the dilution required by matrix interferences encountered during analysis.

The WG717099-3/-4 MS/MSD recoveries (79%/84%), performed on L1419470-01, are outside the acceptance criteria; however, the associated LCS recovery was within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 09/03/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-01
Client ID: MW-38_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/27/14 14:09
Analyst: PD

Date Collected: 08/26/14 14:12
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	15		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-01 Date Collected: 08/26/14 14:12

Client ID: MW-38_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	0.72	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.90	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING
Lab Number: L1419470
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-01
Client ID: MW-38_082614
Sample Location: BROOKLYN, NY
Date Collected: 08/26/14 14:12
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-02
Client ID: MW-39_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/27/14 14:37
Analyst: PD

Date Collected: 08/26/14 15:40
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	19		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-02 Date Collected: 08/26/14 15:40

Client ID: MW-39_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.5		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING
Lab Number: L1419470
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-02
Client ID: MW-39_082614
Sample Location: BROOKLYN, NY
Date Collected: 08/26/14 15:40
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-03
Client ID: F_GWDUP01_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/27/14 15:05
Analyst: PD

Date Collected: 08/26/14 00:00
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	19		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-03 Date Collected: 08/26/14 00:00

Client ID: F_GWDUP01_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.9		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-03 Date Collected: 08/26/14 00:00

Client ID: F_GWDUP01_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-04
Client ID: F_GWTB01_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/27/14 15:33
Analyst: PD

Date Collected: 08/26/14 00:00
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-04 Date Collected: 08/26/14 00:00

Client ID: F_GWTB01_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING
Lab Number: L1419470
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-04
Client ID: F_GWTB01_082614
Sample Location: BROOKLYN, NY
Date Collected: 08/26/14 00:00
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/14 10:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG717425-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/14 10:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG717425-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/14 10:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG717425-3					
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG717425-1 WG717425-2								
Methylene chloride	101		101		70-130	0		20
1,1-Dichloroethane	98		96		70-130	2		20
Chloroform	105		104		70-130	1		20
2-Chloroethylvinyl ether	89		93		70-130	4		20
Carbon tetrachloride	92		90		63-132	2		20
1,2-Dichloropropane	94		94		70-130	0		20
Dibromochloromethane	99		100		63-130	1		20
1,1,2-Trichloroethane	111		114		70-130	3		20
Tetrachloroethene	97		95		70-130	2		20
Chlorobenzene	107		105		75-130	2		20
Trichlorofluoromethane	143		139		62-150	3		20
1,2-Dichloroethane	97		99		70-130	2		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	97		95		67-130	2		20
trans-1,3-Dichloropropene	103		103		70-130	0		20
cis-1,3-Dichloropropene	88		88		70-130	0		20
1,1-Dichloropropene	102		99		70-130	3		20
Bromoform	98		102		54-136	4		20
1,1,2,2-Tetrachloroethane	101		104		67-130	3		20
Benzene	99		97		70-130	2		20
Toluene	107		103		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG717425-1 WG717425-2								
Ethylbenzene	112		109		70-130	3		20
Chloromethane	80		84		64-130	5		20
Bromomethane	94		95		39-139	1		20
Vinyl chloride	92		90		55-140	2		20
Chloroethane	129		124		55-138	4		20
1,1-Dichloroethene	101		99		61-145	2		20
trans-1,2-Dichloroethene	102		100		70-130	2		20
Trichloroethene	100		99		70-130	1		20
1,2-Dichlorobenzene	103		104		70-130	1		20
1,3-Dichlorobenzene	108		107		70-130	1		20
1,4-Dichlorobenzene	108		108		70-130	0		20
Methyl tert butyl ether	99		102		63-130	3		20
p/m-Xylene	109		106		70-130	3		20
o-Xylene	110		108		70-130	2		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	95		97		70-130	2		20
1,2,3-Trichloropropane	112		120		64-130	7		20
Acrylonitrile	93		98		70-130	5		20
Isopropyl Ether	89		88		70-130	1		20
tert-Butyl Alcohol	92		97		70-130	5		20
Styrene	107		105		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG717425-1 WG717425-2								
Dichlorodifluoromethane	87		82		36-147	6		20
Acetone	83		86		58-148	4		20
Carbon disulfide	96		93		51-130	3		20
2-Butanone	110		115		63-138	4		20
Vinyl acetate	91		94		70-130	3		20
4-Methyl-2-pentanone	84		88		59-130	5		20
2-Hexanone	88		91		57-130	3		20
Bromochloromethane	98		100		70-130	2		20
2,2-Dichloropropane	98		93		63-133	5		20
1,2-Dibromoethane	105		107		70-130	2		20
1,3-Dichloropropane	109		110		70-130	1		20
1,1,1,2-Tetrachloroethane	113		112		64-130	1		20
Bromobenzene	83		83		70-130	0		20
n-Butylbenzene	116		114		53-136	2		20
sec-Butylbenzene	106		106		70-130	0		20
tert-Butylbenzene	96		95		70-130	1		20
o-Chlorotoluene	103		102		70-130	1		20
p-Chlorotoluene	99		98		70-130	1		20
1,2-Dibromo-3-chloropropane	100		101		41-144	1		20
Hexachlorobutadiene	84		84		63-130	0		20
Isopropylbenzene	85		85		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG717425-1 WG717425-2								
p-Isopropyltoluene	107		106		70-130	1		20
Naphthalene	98		105		70-130	7		20
n-Propylbenzene	95		95		69-130	0		20
1,2,3-Trichlorobenzene	92		100		70-130	8		20
1,2,4-Trichlorobenzene	96		99		70-130	3		20
1,3,5-Trimethylbenzene	112		110		64-130	2		20
1,2,4-Trimethylbenzene	104		103		70-130	1		20
Methyl Acetate	93		99		70-130	6		20
Ethyl Acetate	98		102		70-130	4		20
Cyclohexane	92		89		70-130	3		20
Ethyl-Tert-Butyl-Ether	91		92		70-130	1		20
Tertiary-Amyl Methyl Ether	94		96		66-130	2		20
1,4-Dioxane	108		107		56-162	1		20
Freon-113	108		104		70-130	4		20
p-Diethylbenzene	108		106		70-130	2		20
p-Ethyltoluene	103		102		70-130	1		20
1,2,4,5-Tetramethylbenzene	102		102		70-130	0		20
Ethyl ether	104		106		59-134	2		20
trans-1,4-Dichloro-2-butene	87		93		70-130	7		20
Methyl cyclohexane	97		92		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG717425-1 WG717425-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	108		107		70-130
4-Bromofluorobenzene	86		87		70-130
Dibromofluoromethane	103		104		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717425-4 WG717425-5 QC Sample: L1419470-01 Client ID: MW-38_082614												
Methylene chloride	ND	10	10	106		11	115		70-130	10		20
1,1-Dichloroethane	ND	10	10	101		11	110		70-130	10		20
Chloroform	ND	10	11	108		12	118		70-130	9		20
Carbon tetrachloride	ND	10	8.3	83		9.4	94		63-132	12		20
1,2-Dichloropropane	ND	10	9.7	97		10	106		70-130	3		20
Dibromochloromethane	ND	10	10	102		11	112		63-130	10		20
1,1,2-Trichloroethane	ND	10	13	**134**	Q	14	**141**	Q	70-130	7		20
Tetrachloroethene	ND	10	8.7	87		9.5	95		70-130	9		20
Chlorobenzene	ND	10	10	102		11	111		75-130	10		20
Trichlorofluoromethane	ND	10	14	140		15	**153**	Q	62-150	7		20
1,2-Dichloroethane	ND	10	11	108		11	115		70-130	0		20
1,1,1-Trichloroethane	ND	10	9.8	98		11	107		67-130	12		20
Bromodichloromethane	ND	10	9.7	97		10	105		67-130	3		20
trans-1,3-Dichloropropene	ND	10	11	110		12	118		70-130	9		20
cis-1,3-Dichloropropene	ND	10	8.7	87		9.3	93		70-130	7		20
1,1-Dichloropropene	ND	10	10	100		11	109		70-130	10		20
Bromoform	ND	10	10	105		11	115		54-136	10		20
1,1,2,2-Tetrachloroethane	ND	10	14	**138**	Q	14	**140**	Q	67-130	0		20
Benzene	ND	10	10	101		11	110		70-130	10		20
Toluene	ND	10	10	106		11	115		70-130	10		20
Ethylbenzene	ND	10	11	109		12	118		70-130	9		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717425-4 WG717425-5 QC Sample: L1419470-01 Client ID: MW-38_082614												
Chloromethane	ND	10	8.9	89		10	103		64-130	12		20
Bromomethane	ND	10	6.5	65		8.1	81		39-139	**22**	Q	20
Vinyl chloride	ND	10	9.4	94		10	105		55-140	6		20
Chloroethane	ND	10	13	132		15	**148**	Q	55-138	14		20
1,1-Dichloroethene	ND	10	10	101		11	109		61-145	10		20
trans-1,2-Dichloroethene	15	10	23	84		23	79		70-130	0		20
Trichloroethene	ND	10	9.5	95		10	106		70-130	5		20
1,2-Dichlorobenzene	ND	10	11	109		12	116		70-130	9		20
1,3-Dichlorobenzene	ND	10	10	105		11	112		70-130	10		20
1,4-Dichlorobenzene	ND	10	11	107		12	115		70-130	9		20
Methyl tert butyl ether	0.72J	10	13	**133**	Q	14	**140**	Q	63-130	7		20
p/m-Xylene	ND	20	21	103		22	112		70-130	5		20
o-Xylene	ND	20	21	106		23	116		70-130	9		20
cis-1,2-Dichloroethene	ND	10	10	101		11	110		70-130	10		20
Dibromomethane	ND	10	11	106		11	113		70-130	0		20
1,2,3-Trichloropropane	ND	10	15	**154**	Q	16	**157**	Q	64-130	6		20
Acrylonitrile	ND	10	13	128		13	128		70-130	0		20
Isopropyl Ether	ND	10	9.5	95		10	102		70-130	5		20
tert-Butyl Alcohol	ND	50	82	**163**	Q	83	**167**	Q	70-130	1		20
Styrene	ND	20	21	105		23	115		70-130	9		20
Dichlorodifluoromethane	ND	10	8.3	83		9.1	91		36-147	9		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717425-4 WG717425-5 QC Sample: L1419470-01 Client ID: MW-38_082614												
Acetone	ND	10	13	127		12	123		58-148	8		20
Carbon disulfide	ND	10	9.8	98		10	104		51-130	2		20
2-Butanone	ND	10	14	**143**	Q	14	**144**	Q	63-138	0		20
Vinyl acetate	ND	10	12	117		12	122		70-130	0		20
4-Methyl-2-pentanone	ND	10	14	**144**	Q	14	**144**	Q	59-130	0		20
2-Hexanone	ND	10	16	**162**	Q	16	**160**	Q	57-130	0		20
Bromochloromethane	ND	10	9.8	98		11	108		70-130	12		20
2,2-Dichloropropane	ND	10	8.3	84		9.0	90		63-133	8		20
1,2-Dibromoethane	ND	10	12	124		13	129		70-130	8		20
1,3-Dichloropropane	ND	10	13	130		14	**137**	Q	70-130	7		20
1,1,1,2-Tetrachloroethane	ND	10	11	107		12	118		64-130	9		20
Bromobenzene	ND	10	7.8	78		8.4	84		70-130	7		20
n-Butylbenzene	ND	10	11	109		12	119		53-136	9		20
sec-Butylbenzene	ND	10	9.8	98		11	107		70-130	12		20
tert-Butylbenzene	ND	10	8.8	88		9.6	96		70-130	9		20
o-Chlorotoluene	ND	10	11	109		12	116		70-130	9		20
p-Chlorotoluene	ND	10	9.8	98		10	103		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	10	12	118		12	124		41-144	0		20
Hexachlorobutadiene	ND	10	7.3	73		8.1	81		63-130	10		20
Isopropylbenzene	ND	10	7.9	79		8.6	86		70-130	8		20
p-Isopropyltoluene	ND	10	10	100		11	108		70-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717425-4 WG717425-5 QC Sample: L1419470-01 Client ID: MW-38_082614												
Naphthalene	0.90J	10	16	**160**	Q	17	**170**	Q	70-130	6		20
n-Propylbenzene	ND	10	9.1	91		9.8	98		69-130	7		20
1,2,3-Trichlorobenzene	ND	10	12	119		13	**132**	Q	70-130	8		20
1,2,4-Trichlorobenzene	ND	10	11	109		12	118		70-130	9		20
1,3,5-Trimethylbenzene	ND	10	11	106		11	114		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	10	101		11	108		70-130	10		20
Methyl Acetate	ND	10	13	**131**	Q	14	**137**	Q	70-130	7		20
Ethyl Acetate	ND	10	14	**137**	Q	14	**139**	Q	70-130	0		20
Cyclohexane	ND	10	8.9J	89		9.6J	96		70-130	8		20
Ethyl-Tert-Butyl-Ether	ND	10	10	102		11	111		70-130	10		20
Tertiary-Amyl Methyl Ether	ND	10	11	110		12	119		66-130	9		20
1,4-Dioxane	ND	500	820	**164**	Q	820	**163**	Q	56-162	0		20
Freon-113	ND	10	10	101		11	111		70-130	10		20
p-Diethylbenzene	ND	10	10	101		11	109		70-130	10		20
p-Ethyltoluene	ND	10	9.7	97		10	105		70-130	3		20
1,2,4,5-Tetramethylbenzene	ND	10	10	103		11	111		70-130	10		20
Ethyl ether	ND	10	12	126		13	133		59-134	8		20
trans-1,4-Dichloro-2-butene	ND	10	11	113		12	116		70-130	9		20
Methyl cyclohexane	ND	10	8.8J	88		9.7J	97		70-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717425-4 WG717425-5 QC Sample: L1419470-01 Client ID: MW-38_082614												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		112		70-130
4-Bromofluorobenzene	87		86		70-130
Dibromofluoromethane	102		104		70-130
Toluene-d8	109		109		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-01
Client ID: MW-38_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/03/14 00:44
Analyst: JC

Date Collected: 08/26/14 14:12
Date Received: 08/26/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/27/14 16:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	3.2		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-01 Date Collected: 08/26/14 14:12

Client ID: MW-38_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	8.4	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	87		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-01
Client ID: MW-38_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/14 19:07
Analyst: MW

Date Collected: 08/26/14 14:12
Date Received: 08/26/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/27/14 16:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.5		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.88		ug/l	0.20	0.04	1
Hexachlorobutadiene	0.13	J	ug/l	0.50	0.07	1
Naphthalene	0.26		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.07	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.09	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.06	J	ug/l	0.20	0.05	1
Acenaphthylene	0.08	J	ug/l	0.20	0.05	1
Anthracene	0.35		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.37		ug/l	0.20	0.06	1
Phenanthrene	1.4		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.13	J	ug/l	0.20	0.08	1
Pyrene	0.64		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.10	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	0.14	J	ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-01 Date Collected: 08/26/14 14:12

Client ID: MW-38_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	95		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-02
Client ID: MW-39_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/03/14 01:09
Analyst: JC

Date Collected: 08/26/14 15:40
Date Received: 08/26/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/27/14 16:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	3.1		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-02 Date Collected: 08/26/14 15:40

Client ID: MW-39_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	69		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-02
Client ID: MW-39_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/14 19:37
Analyst: MW

Date Collected: 08/26/14 15:40
Date Received: 08/26/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/27/14 16:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.16	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.07	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.12	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.09	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.06	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.10	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.15	J	ug/l	0.20	0.08	1
Pyrene	0.14	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-02 Date Collected: 08/26/14 15:40

Client ID: MW-39_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	72		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-03
Client ID: F_GWDUP01_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/03/14 01:33
Analyst: JC

Date Collected: 08/26/14 00:00
Date Received: 08/26/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/27/14 16:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-03 Date Collected: 08/26/14 00:00

Client ID: F_GWDUP01_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	77		41-149

Project Name: GREENPOINT LANDING
Lab Number: L1419470
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-03
Client ID: F_GWDUP01_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/14 20:08
Analyst: MW

Date Collected: 08/26/14 00:00
Date Received: 08/26/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/27/14 16:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.13	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.07	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.08	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-03 Date Collected: 08/26/14 00:00

Client ID: F_GWDUP01_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	74		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/14 21:30
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 08/27/14 16:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG717388-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/14 21:30
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 08/27/14 16:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG717388-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/14 21:30
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 08/27/14 16:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG717388-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		21-120
Phenol-d6	81		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	76		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/14 16:37
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 08/27/14 16:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG717389-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/14 16:37
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 08/27/14 16:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG717389-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	76		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	79		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG717388-2 WG717388-3								
1,2,4-Trichlorobenzene	50		43		39-98	15		30
Bis(2-chloroethyl)ether	72		66		40-140	9		30
1,2-Dichlorobenzene	51		44		40-140	15		30
1,3-Dichlorobenzene	47		43		40-140	9		30
1,4-Dichlorobenzene	47		42		36-97	11		30
3,3'-Dichlorobenzidine	75		69		40-140	8		30
2,4-Dinitrotoluene	87		80		24-96	8		30
2,6-Dinitrotoluene	90		82		40-140	9		30
4-Chlorophenyl phenyl ether	78		71		40-140	9		30
4-Bromophenyl phenyl ether	81		74		40-140	9		30
Bis(2-chloroisopropyl)ether	67		60		40-140	11		30
Bis(2-chloroethoxy)methane	78		70		40-140	11		30
Hexachlorocyclopentadiene	**36**	Q	**31**	Q	40-140	15		30
Isophorone	80		73		40-140	9		30
Nitrobenzene	74		65		40-140	13		30
NitrosoDiPhenylAmine(NDPA)/DPA	79		72		40-140	9		30
n-Nitrosodi-n-propylamine	74		66		29-132	11		30
Bis(2-Ethylhexyl)phthalate	92		86		40-140	7		30
Butyl benzyl phthalate	87		81		40-140	7		30
Di-n-butylphthalate	88		82		40-140	7		30
Di-n-octylphthalate	92		87		40-140	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG717388-2 WG717388-3								
Diethyl phthalate	87		79		40-140	10		30
Dimethyl phthalate	85		78		40-140	9		30
Biphenyl	70		60			15		30
4-Chloroaniline	67		69		40-140	3		30
2-Nitroaniline	86		77		52-143	11		30
3-Nitroaniline	69		66		25-145	4		30
4-Nitroaniline	79		76		51-143	4		30
Dibenzofuran	74		65		40-140	13		30
1,2,4,5-Tetrachlorobenzene	63		54		2-134	15		30
Acetophenone	77		71		39-129	8		30
2,4,6-Trichlorophenol	86		78		30-130	10		30
P-Chloro-M-Cresol	81		72		23-97	12		30
2-Chlorophenol	61		57		27-123	7		30
2,4-Dichlorophenol	78		68		30-130	14		30
2,4-Dimethylphenol	57		62		30-130	8		30
2-Nitrophenol	70		63		30-130	11		30
4-Nitrophenol	36		33		10-80	9		30
2,4-Dinitrophenol	70		62		20-130	12		30
4,6-Dinitro-o-cresol	78		75		20-164	4		30
Phenol	25		25		12-110	0		30
2-Methylphenol	54		52		30-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG717388-2 WG717388-3								
3-Methylphenol/4-Methylphenol	50		48		30-130	4		30
2,4,5-Trichlorophenol	87		80		30-130	8		30
Benzoic Acid	0	Q	0	Q		NC		30
Benzyl Alcohol	62		57			8		30
Carbazole	82		77		55-144	6		30
Benzaldehyde	64		58		40-140	10		30
Caprolactam	25		25		10-130	0		30
Atrazine	99		93		40-140	6		30
2,3,4,6-Tetrachlorophenol	93		82		54-145	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	40		36		21-120
Phenol-d6	25		23		10-120
Nitrobenzene-d5	73		63		23-120
2-Fluorobiphenyl	78		66		15-120
2,4,6-Tribromophenol	85		74		10-120
4-Terphenyl-d14	82		71		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG717389-2 WG717389-3								
Acenaphthene	73		76		37-111	4		40
2-Chloronaphthalene	71		75		40-140	5		40
Fluoranthene	92		92		40-140	0		40
Hexachlorobutadiene	64		68		40-140	6		40
Naphthalene	69		72		40-140	4		40
Benzo(a)anthracene	108		110		40-140	2		40
Benzo(a)pyrene	97		97		40-140	0		40
Benzo(b)fluoranthene	102		100		40-140	2		40
Benzo(k)fluoranthene	95		98		40-140	3		40
Chrysene	100		98		40-140	2		40
Acenaphthylene	79		85		40-140	7		40
Anthracene	86		87		40-140	1		40
Benzo(ghi)perylene	96		99		40-140	3		40
Fluorene	79		81		40-140	3		40
Phenanthrene	78		80		40-140	3		40
Dibenzo(a,h)anthracene	97		98		40-140	1		40
Indeno(1,2,3-cd)Pyrene	96		97		40-140	1		40
Pyrene	91		92		26-127	1		40
2-Methylnaphthalene	89		96		40-140	8		40
Pentachlorophenol	72		78		9-103	8		40
Hexachlorobenzene	84		88		40-140	5		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG717389-2 WG717389-3								
Hexachloroethane	80		85		40-140	6		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	37		38		21-120
Phenol-d6	26		28		10-120
Nitrobenzene-d5	73		79		23-120
2-Fluorobiphenyl	70		76		15-120
2,4,6-Tribromophenol	81		81		10-120
4-Terphenyl-d14	79		78		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717388-4 WG717388-5 QC Sample: L1419470-01 Client ID: MW-38_082614												
1,2,4-Trichlorobenzene	ND	40	21	53		25	63		39-98	17		30
Bis(2-chloroethyl)ether	ND	40	27	68		29	73		40-140	7		30
1,2-Dichlorobenzene	ND	40	20	50		24	60		40-140	18		30
1,3-Dichlorobenzene	ND	40	19	48		22	55		40-140	15		30
1,4-Dichlorobenzene	ND	40	20	50		23	58		36-97	14		30
3,3'-Dichlorobenzidine	ND	40	12	**30**	Q	25	63		40-140	**70**	Q	30
2,4-Dinitrotoluene	ND	40	34	85		38	95		24-96	11		30
2,6-Dinitrotoluene	ND	40	35	88		38	95		40-140	8		30
4-Chlorophenyl phenyl ether	ND	40	31	78		35	88		40-140	12		30
4-Bromophenyl phenyl ether	ND	40	32	80		36	90		40-140	12		30
Bis(2-chloroisopropyl)ether	ND	40	26	65		28	70		40-140	7		30
Bis(2-chloroethoxy)methane	ND	40	28	70		32	80		40-140	13		30
Hexachlorocyclopentadiene	ND	40	16J	40		18.J	45		40-140	12		30
Isophorone	ND	40	29	73		33	83		40-140	13		30
Nitrobenzene	ND	40	27	68		30	75		40-140	11		30
NitrosoDiPhenylAmine(NDPA)/DPA	ND	40	30	75		35	88		40-140	15		30
n-Nitrosodi-n-propylamine	ND	40	26	65		29	73		29-132	11		30
Bis(2-Ethylhexyl)phthalate	3.2	40	38	87		41	95		40-140	8		30
Butyl benzyl phthalate	ND	40	35	88		38	95		40-140	8		30
Di-n-butylphthalate	ND	40	35	88		39	98		40-140	11		30
Di-n-octylphthalate	ND	40	38	95		41	100		40-140	8		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717388-4 WG717388-5 QC Sample: L1419470-01 Client ID: MW-38_082614												
Diethyl phthalate	ND	40	33	83		38	95		40-140	14		30
Dimethyl phthalate	ND	40	33	83		37	93		40-140	11		30
Biphenyl	ND	40	30	75		34	85			13		30
4-Chloroaniline	ND	40	8.8	**22**	Q	26	65		40-140	**99**	Q	30
2-Nitroaniline	ND	40	33	83		36	90		52-143	9		30
3-Nitroaniline	ND	40	3.5J	**9**	Q	8.2	**21**	Q	25-145	**80**	Q	30
4-Nitroaniline	ND	40	24	60		30	75		51-143	22		30
Dibenzofuran	ND	40	30	75		34	85		40-140	13		30
1,2,4,5-Tetrachlorobenzene	ND	40	28	70		31	78		2-134	10		30
Acetophenone	ND	40	28	70		32	80		39-129	13		30
2,4,6-Trichlorophenol	ND	40	34	85		38	95		30-130	11		30
P-Chloro-M-Cresol	ND	40	32	80		35	88		23-97	9		30
2-Chlorophenol	ND	40	23	58		26	65		27-123	12		30
2,4-Dichlorophenol	ND	40	29	73		32	80		30-130	10		30
2,4-Dimethylphenol	ND	40	29	73		31	78		30-130	7		30
2-Nitrophenol	ND	40	26	65		30	75		30-130	14		30
4-Nitrophenol	ND	40	17	43		20	50		10-80	16		30
2,4-Dinitrophenol	ND	40	30	75		33	83		20-130	10		30
4,6-Dinitro-o-cresol	ND	40	34	85		37	93		20-164	8		30
Phenol	ND	40	10	25		12	30		12-110	18		30
2-Methylphenol	ND	40	22	55		26	65		30-130	17		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717388-4 WG717388-5 QC Sample: L1419470-01 Client ID: MW-38_082614												
3-Methylphenol/4-Methylphenol	ND	40	20	50		23	58		30-130	14		30
2,4,5-Trichlorophenol	ND	40	36	90		38	95		30-130	5		30
Benzoic Acid	8.4J	40	22J	55		27.J	68			20		30
Benzyl Alcohol	ND	40	23	58		26	65			12		30
Carbazole	ND	40	33	83		35	88		55-144	6		30
Benzaldehyde	ND	40	15	**38**	Q	26	65		40-140	**54**	Q	30
Caprolactam	ND	40	9.5J	24		12	30		10-130	23		30
Atrazine	ND	40	30	75		44	110		40-140	**38**	Q	30
2,3,4,6-Tetrachlorophenol	ND	40	38	95		42	110		54-145	10		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	82		89		10-120
2-Fluorobiphenyl	72		80		15-120
2-Fluorophenol	39		46		21-120
4-Terphenyl-d14	79		85		41-149
Nitrobenzene-d5	65		74		23-120
Phenol-d6	26		32		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717389-4 WG717389-5 QC Sample: L1419470-01 Client ID: MW-38_082614												
Acenaphthene	1.5	40	32	76		31	74		37-111	3		40
2-Chloronaphthalene	ND	40	28	70		28	70		40-140	0		40
Fluoranthene	0.88	40	40	98		36	88		40-140	11		40
Hexachlorobutadiene	0.13J	40	22	55		23	58		40-140	4		40
Naphthalene	0.26	40	24	59		25	62		40-140	4		40
Benzo(a)anthracene	0.07J	40	43	110		42	110		40-140	2		40
Benzo(a)pyrene	0.09J	40	38	95		37	93		40-140	3		40
Benzo(b)fluoranthene	ND	40	40	100		37	93		40-140	8		40
Benzo(k)fluoranthene	ND	40	37	93		36	90		40-140	3		40
Chrysene	0.06J	40	39	98		38	95		40-140	3		40
Acenaphthylene	0.08J	40	32	80		34	85		40-140	6		40
Anthracene	0.35	40	36	89		34	84		40-140	6		40
Benzo(ghi)perylene	ND	40	40	100		36	90		40-140	11		40
Fluorene	0.37	40	34	84		33	82		40-140	3		40
Phenanthrene	1.4	40	34	82		33	79		40-140	3		40
Dibenzo(a,h)anthracene	ND	40	39	98		37	93		40-140	5		40
Indeno(1,2,3-cd)Pyrene	0.13J	40	38	95		36	90		40-140	5		40
Pyrene	0.64	40	39	96		36	88		26-127	8		40
2-Methylnaphthalene	0.10J	40	28	70		29	73		40-140	4		40
Pentachlorophenol	ND	40	36	90		33	83		9-103	9		40
Hexachlorobenzene	ND	40	36	90		34	85		40-140	6		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717389-4 WG717389-5 QC Sample: L1419470-01 Client ID: MW-38_082614												
Hexachloroethane	0.14J	40	24	60		27	68		40-140	12		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	98		96		10-120
2-Fluorobiphenyl	75		76		15-120
2-Fluorophenol	44		48		21-120
4-Terphenyl-d14	98		92		41-149
Nitrobenzene-d5	78		80		23-120
Phenol-d6	31		35		10-120

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419470-01	Date Collected:	08/26/14 14:12
Client ID:	MW-38_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/28/14 06:55
Analytical Date:	08/30/14 20:08	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/30/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	82		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1419470
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419470-02	Date Collected:	08/26/14 15:40
Client ID:	MW-39_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/28/14 06:55
Analytical Date:	08/30/14 19:40	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/30/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	94		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1419470
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419470-03	Date Collected:	08/26/14 00:00
Client ID:	F_GWDUP01_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/28/14 06:55
Analytical Date:	08/30/14 19:54	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/30/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	82		30-150	A

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/30/14 20:49
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 08/28/14 06:55
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG717519-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	111		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717519-4 WG717519-5 QC Sample: L1419470-01 Client ID: MW-38_082614													
Aroclor 1016	ND	2.6	2.16	83		1.76	68		40-140	20		50	A
Aroclor 1260	ND	2.6	2.33	90		1.98	76		40-140	16		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		71		30-150	B
Decachlorobiphenyl	80		67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		78		30-150	A
Decachlorobiphenyl	82		69		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG717519-2 WG717519-3									
Aroclor 1016	78		87		40-140	11		50	A
Aroclor 1260	93		107		40-140	14		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		97		30-150	B
Decachlorobiphenyl	121		134		30-150	B
2,4,5,6-Tetrachloro-m-xylene	97		107		30-150	A
Decachlorobiphenyl	118		125		30-150	A

PESTICIDES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419470-01	Date Collected:	08/26/14 14:12
Client ID:	MW-38_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/27/14 12:07
Analytical Date:	08/31/14 03:21	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1419470
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419470-01	Date Collected:	08/26/14 14:12
Client ID:	MW-38_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/27/14 07:36
Analytical Date:	08/28/14 17:41		
Analyst:	SH		

Methylation Date: 08/27/14 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	47		30-150	A
DCAA	47		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419470-02	Date Collected:	08/26/14 15:40
Client ID:	MW-39_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/27/14 12:07
Analytical Date:	08/31/14 03:34	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1419470
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419470-02	Date Collected:	08/26/14 15:40
Client ID:	MW-39_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/27/14 07:36
Analytical Date:	08/28/14 18:03		
Analyst:	SH		

Methylation Date: 08/27/14 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	75		30-150	A
DCAA	**225**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID:	L1419470-03	Date Collected:	08/26/14 00:00
Client ID:	F_GWDUP01_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/27/14 12:07
Analytical Date:	08/31/14 03:46	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1419470
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419470-03	Date Collected:	08/26/14 00:00
Client ID:	F_GWDUP01_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/27/14 07:36
Analytical Date:	08/28/14 18:25		
Analyst:	SH		

Methylation Date: 08/27/14 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	134		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/28/14 15:55
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 08/27/14 07:36

Methylation Date: 08/27/14 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG717138-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.488	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/31/14 02:17
Analyst: GP

Extraction Method: EPA 3510C
Extraction Date: 08/27/14 12:07
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG717270-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	103		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG717138-2 WG717138-3									
2,4-D	82		93		30-150	13		25	A
2,4,5-T	74		79		30-150	7		25	A
2,4,5-TP (Silvex)	74		78		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	83		85		30-150	A
DCAA	77		39		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG717270-2 WG717270-3									
Delta-BHC	90		97		30-150	7		20	A
Lindane	96		103		30-150	7		20	A
Alpha-BHC	87		92		30-150	6		20	A
Beta-BHC	97		105		30-150	8		20	A
Heptachlor	94		99		30-150	6		20	A
Aldrin	93		99		30-150	7		20	A
Heptachlor epoxide	92		100		30-150	9		20	A
Endrin	103		110		30-150	7		20	A
Endrin ketone	81		86		30-150	6		20	A
Dieldrin	101		107		30-150	6		20	A
4,4'-DDE	94		101		30-150	7		20	A
4,4'-DDD	96		105		30-150	9		20	A
4,4'-DDT	95		98		30-150	3		20	A
Endosulfan I	102		100		30-150	2		20	A
Endosulfan II	85		91		30-150	7		20	A
Endosulfan sulfate	88		93		30-150	5		20	A
Methoxychlor	80		84		30-150	5		20	A
cis-Chlordane	98		100		30-150	2		20	A
trans-Chlordane	102		104		30-150	2		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG717270-2 WG717270-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		76		30-150	A
Decachlorobiphenyl	92		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		77		30-150	B
Decachlorobiphenyl	97		91		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717138-4 WG717138-5 QC Sample: L1419470-01 Client ID: MW-38_082614													
2,4-D	ND	10	4.79	48		5.96	60		30-150	22		25	A
2,4,5-T	ND	10	4.70	47		5.51	55		30-150	16		25	A
2,4,5-TP (Silvex)	ND	10	4.66	47		5.45	54		30-150	16		25	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	43		58		30-150	A
DCAA	50		55		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717270-4 WG717270-5 QC Sample: L1419470-01 Client ID: MW-38_082614													
Delta-BHC	ND	0.5	0.543	109		0.437	87		30-150	22		30	A
Lindane	ND	0.5	0.564	113		0.462	92		30-150	20		30	A
Alpha-BHC	ND	0.5	0.522	104		0.410	82		30-150	24		30	A
Beta-BHC	ND	0.5	0.541	108		0.440	88		30-150	21		30	A
Heptachlor	ND	0.5	0.503	101		0.414	83		30-150	19		30	A
Aldrin	ND	0.5	0.478	96		0.368	74		30-150	26		30	A
Heptachlor epoxide	ND	0.5	0.543	109		0.435	87		30-150	22		30	A
Endrin	ND	0.5	0.612	122		0.488	98		30-150	23		30	A
Endrin ketone	ND	0.5	0.488	98		0.401	80		30-150	20		30	A
Dieldrin	ND	0.5	0.593	119		0.475	95		30-150	22		30	A
4,4'-DDE	ND	0.5	0.505	101		0.401	80		30-150	23		30	A
4,4'-DDD	ND	0.5	0.565	113		0.449	90		30-150	23		30	A
4,4'-DDT	ND	0.5	0.522	104		0.416	83		30-150	23		30	A
Endosulfan I	ND	0.5	0.540	108		0.440	88		30-150	20		30	A
Endosulfan II	ND	0.5	0.500	100		0.405	81		30-150	21		30	A
Endosulfan sulfate	ND	0.5	0.521	104		0.418	84		30-150	22		30	A
Methoxychlor	ND	0.5	0.464	93		0.380	76		30-150	20		30	A
cis-Chlordane	ND	0.5	0.509	102		0.406	81		30-150	23		30	A
trans-Chlordane	ND	0.5	0.534	107		0.423	85		30-150	23		30	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717270-4 WG717270-5 QC Sample: L1419470-01 Client ID: MW-38_082614												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		64		30-150	A
Decachlorobiphenyl	70		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		65		30-150	B
Decachlorobiphenyl	77		63		30-150	B

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-01
Client ID: MW-38_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/26/14 14:12
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.247		mg/l	0.200	0.0400	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Antimony, Total	0.00932	J	mg/l	0.04000	0.00200	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00236	J	mg/l	0.01000	0.00200	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Barium, Total	0.6608		mg/l	0.01000	0.00200	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.01000	0.00200	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00400	0.00100	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Calcium, Total	452.		mg/l	20.0	6.40	200	08/27/14 11:24	08/28/14 16:43	EPA 3005A	1,6020A	KL
Chromium, Total	ND		mg/l	0.02000	0.00400	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00400	0.00200	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Copper, Total	ND		mg/l	0.02000	0.00200	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Iron, Total	121.		mg/l	1.00	0.260	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Lead, Total	0.04024		mg/l	0.02000	0.00400	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Magnesium, Total	257.		mg/l	14.0	0.486	200	08/27/14 11:24	08/28/14 16:43	EPA 3005A	1,6020A	KL
Manganese, Total	4.116		mg/l	0.01000	0.00200	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/28/14 14:45	08/30/14 11:25	EPA 7470A	1,7470A	AK
Nickel, Total	ND		mg/l	0.01000	0.00200	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Potassium, Total	308.		mg/l	2.00	0.540	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.100	0.00600	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00800	0.00200	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Sodium, Total	6030		mg/l	20.0	3.00	200	08/27/14 11:24	08/28/14 16:43	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.01000	0.00060	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.1000	0.00200	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Zinc, Total	0.1187	J	mg/l	0.2000	0.02400	20	08/27/14 11:24	08/28/14 14:48	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0500	0.0100	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Antimony, Dissolved	0.01131	J	mg/l	0.01500	0.00050	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Arsenic, Dissolved	ND		mg/l	0.00250	0.00100	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Barium, Dissolved	0.3571		mg/l	0.00250	0.00050	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00250	0.00050	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00100	0.00025	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-01
Client ID: MW-38_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/26/14 14:12
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	200.		mg/l	2.00	0.640	20	08/27/14 02:40	08/30/14 13:43	NA	1,6020A	KL
Chromium, Dissolved	ND		mg/l	0.00500	0.00100	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Cobalt, Dissolved	ND		mg/l	0.00100	0.00050	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00500	0.00050	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Iron, Dissolved	60.4		mg/l	0.250	0.0650	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00500	0.00100	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Magnesium, Dissolved	712.		mg/l	1.40	0.460	20	08/27/14 02:40	08/30/14 13:43	NA	1,6020A	KL
Manganese, Dissolved	2.407		mg/l	0.00250	0.00050	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/27/14 15:05	08/28/14 20:32	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00098	J	mg/l	0.00250	0.00050	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Potassium, Dissolved	196.		mg/l	0.500	0.135	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.0250	0.00150	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00125	0.00050	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Sodium, Dissolved	5590		mg/l	20.0	3.00	200	08/27/14 02:40	09/02/14 11:27	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00100	0.00015	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.02500	0.00050	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.05000	0.00600	5	08/27/14 02:40	08/30/14 13:40	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-02
Client ID: MW-39_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/26/14 15:40
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5.33		mg/l	0.200	0.0400	20	08/27/14 11:24	08/28/14 16:58	EPA 3005A	1,6020A	KL
Antimony, Total	0.00093	J	mg/l	0.00200	0.00010	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00999		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Barium, Total	0.1234		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Beryllium, Total	0.00034	J	mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Cadmium, Total	0.00008	J	mg/l	0.00020	0.00005	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Calcium, Total	369.		mg/l	20.0	6.40	200	08/27/14 11:24	08/29/14 14:14	EPA 3005A	1,6020A	KL
Chromium, Total	0.00820		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Cobalt, Total	0.02381		mg/l	0.00020	0.00010	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Copper, Total	0.01076		mg/l	0.00100	0.00010	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Iron, Total	70.9		mg/l	1.00	0.260	20	08/27/14 11:24	08/28/14 16:58	EPA 3005A	1,6020A	KL
Lead, Total	0.02252		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Magnesium, Total	124.		mg/l	1.40	0.0486	20	08/27/14 11:24	08/28/14 16:58	EPA 3005A	1,6020A	KL
Manganese, Total	20.46		mg/l	0.1000	0.02000	200	08/27/14 11:24	08/29/14 14:14	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/28/14 14:45	08/30/14 11:30	EPA 7470A	1,7470A	AK
Nickel, Total	0.00976		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Potassium, Total	29.5		mg/l	0.100	0.0270	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Selenium, Total	0.00104	J	mg/l	0.00500	0.00030	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Sodium, Total	101.		mg/l	2.00	0.300	20	08/27/14 11:24	08/28/14 16:58	EPA 3005A	1,6020A	KL
Thallium, Total	0.00004	J	mg/l	0.00050	0.00003	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00963		mg/l	0.00500	0.00010	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Zinc, Total	0.03226		mg/l	0.01000	0.00120	1	08/27/14 11:24	08/28/14 17:08	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.0120		mg/l	0.0100	0.00200	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Antimony, Dissolved	0.00114	J	mg/l	0.00300	0.00010	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Arsenic, Dissolved	0.00159		mg/l	0.00050	0.00020	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Barium, Dissolved	0.07629		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1419470
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-02
Client ID: MW-39_082614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/26/14 15:40
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	185.		mg/l	2.00	0.640	20	08/27/14 02:40	08/30/14 14:09	NA	1,6020A	KL
Chromium, Dissolved	0.00062	J	mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Cobalt, Dissolved	0.01964		mg/l	0.00020	0.00010	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Copper, Dissolved	0.00078	J	mg/l	0.00100	0.00010	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Iron, Dissolved	16.0		mg/l	0.0500	0.0130	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Magnesium, Dissolved	82.1		mg/l	1.40	0.460	20	08/27/14 02:40	08/30/14 14:09	NA	1,6020A	KL
Manganese, Dissolved	19.00		mg/l	0.1000	0.02000	200	08/27/14 02:40	09/02/14 11:42	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/27/14 15:05	08/28/14 20:54	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00658		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Potassium, Dissolved	29.1		mg/l	0.100	0.0270	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Selenium, Dissolved	0.00031	J	mg/l	0.00500	0.00030	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Sodium, Dissolved	89.4		mg/l	2.00	0.300	20	08/27/14 02:40	09/02/14 11:45	NA	1,6020A	KL
Thallium, Dissolved	0.00005	J	mg/l	0.00050	0.00003	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL
Zinc, Dissolved	0.01885		mg/l	0.01000	0.00120	1	08/27/14 02:40	08/30/14 14:12	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-03
Client ID: F_GWDUP01_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/26/14 00:00
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5.72		mg/l	0.200	0.0400	20	08/27/14 11:24	08/29/14 14:21	EPA 3005A	1,6020A	KL
Antimony, Total	0.00045	J	mg/l	0.00200	0.00010	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Arsenic, Total	0.01019		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Barium, Total	0.1207		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Beryllium, Total	0.00039	J	mg/l	0.00050	0.00010	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Cadmium, Total	0.00007	J	mg/l	0.00020	0.00005	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Calcium, Total	356.		mg/l	20.0	6.40	200	08/27/14 11:24	08/29/14 14:18	EPA 3005A	1,6020A	KL
Chromium, Total	0.00998		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Cobalt, Total	0.02480		mg/l	0.00020	0.00010	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Copper, Total	0.01430		mg/l	0.00100	0.00010	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Iron, Total	61.9		mg/l	1.00	0.260	20	08/27/14 11:24	08/29/14 14:21	EPA 3005A	1,6020A	KL
Lead, Total	0.02605		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Magnesium, Total	108.		mg/l	1.40	0.0486	20	08/27/14 11:24	08/29/14 14:21	EPA 3005A	1,6020A	KL
Manganese, Total	19.98		mg/l	0.1000	0.02000	200	08/27/14 11:24	08/29/14 14:18	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/28/14 14:45	08/30/14 11:32	EPA 7470A	1,7470A	AK
Nickel, Total	0.01185		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Potassium, Total	26.4		mg/l	0.100	0.0270	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Selenium, Total	0.00113	J	mg/l	0.00500	0.00030	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Sodium, Total	80.4		mg/l	2.00	0.300	20	08/27/14 11:24	08/29/14 14:21	EPA 3005A	1,6020A	KL
Thallium, Total	0.00003	J	mg/l	0.00050	0.00003	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Vanadium, Total	0.01130		mg/l	0.00500	0.00010	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Zinc, Total	0.03696		mg/l	0.01000	0.00120	1	08/27/14 11:24	08/29/14 14:25	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.129		mg/l	0.0100	0.00200	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Antimony, Dissolved	0.00066	J	mg/l	0.00300	0.00010	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Arsenic, Dissolved	0.00440		mg/l	0.00050	0.00020	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Barium, Dissolved	0.09161		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-03
Client ID: F_GWDUP01_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/26/14 00:00
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	189.		mg/l	2.00	0.640	20	08/27/14 02:40	08/30/14 14:16	NA	1,6020A	KL
Chromium, Dissolved	0.00073	J	mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Cobalt, Dissolved	0.02661		mg/l	0.00020	0.00010	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Copper, Dissolved	0.00053	J	mg/l	0.00100	0.00010	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Iron, Dissolved	42.6		mg/l	0.0500	0.0130	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Lead, Dissolved	0.00076	J	mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Magnesium, Dissolved	107.		mg/l	1.40	0.460	20	08/27/14 02:40	08/30/14 14:16	NA	1,6020A	KL
Manganese, Dissolved	19.34		mg/l	0.1000	0.02000	200	08/27/14 02:40	09/02/14 11:49	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/27/14 15:05	08/28/14 20:56	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00599		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Potassium, Dissolved	33.7		mg/l	0.100	0.0270	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Sodium, Dissolved	107.		mg/l	2.00	0.300	20	08/27/14 02:40	08/30/14 14:16	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Vanadium, Dissolved	0.00035	J	mg/l	0.00500	0.00010	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL
Zinc, Dissolved	0.00984	J	mg/l	0.01000	0.00120	1	08/27/14 02:40	08/30/14 14:19	NA	1,6020A	KL

Project Name: GREENPOINT LANDING **Lab Number:** L1419470

Project Number: 170229002 **Report Date:** 09/03/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG717237-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Antimony, Total	0.00117	J	mg/l	0.00200	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Chromium, Total	ND		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Copper, Total	0.00012	J	mg/l	0.00100	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.00243	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Nickel, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Potassium, Total	0.102		mg/l	0.100	0.0270	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Sodium, Total	0.312		mg/l	0.100	0.0150	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00120	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG717340-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/27/14 15:05	08/28/14 20:28	1,7470A	AK

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG717623-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Antimony, Dissolved	0.00130	J	mg/l	0.00300	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Chromium, Dissolved	0.00045	J	mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Cobalt, Dissolved	ND		mg/l	0.00020	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Copper, Dissolved	0.00059	J	mg/l	0.00100	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Magnesium, Dissolved	ND		mg/l	0.0700	0.0230	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Manganese, Dissolved	0.00013	J	mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Nickel, Dissolved	0.00014	J	mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Potassium, Dissolved	0.0375	J	mg/l	0.100	0.0270	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Sodium, Dissolved	0.146		mg/l	0.100	0.0150	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL

Prep Information

Digestion Method: NA

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG717719-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/28/14 14:45	08/30/14 11:21	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG717237-2								
Aluminum, Total	106		-		80-120	-		
Antimony, Total	99		-		80-120	-		
Arsenic, Total	97		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	99		-		80-120	-		
Cadmium, Total	106		-		80-120	-		
Calcium, Total	103		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	99		-		80-120	-		
Copper, Total	97		-		80-120	-		
Iron, Total	96		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	116		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Potassium, Total	92		-		80-120	-		
Selenium, Total	118		-		80-120	-		
Silver, Total	102		-		80-120	-		
Sodium, Total	99		-		80-120	-		
Thallium, Total	95		-		80-120	-		
Vanadium, Total	101		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG717237-2					
Zinc, Total	106	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG717340-2					
Mercury, Dissolved	106	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG717623-2					
Aluminum, Dissolved	100	-	80-120	-	
Antimony, Dissolved	97	-	80-120	-	
Arsenic, Dissolved	98	-	80-120	-	
Barium, Dissolved	97	-	80-120	-	
Beryllium, Dissolved	100	-	80-120	-	
Cadmium, Dissolved	100	-	80-120	-	
Calcium, Dissolved	99	-	80-120	-	
Chromium, Dissolved	97	-	80-120	-	
Cobalt, Dissolved	101	-	80-120	-	
Copper, Dissolved	100	-	80-120	-	
Iron, Dissolved	100	-	80-120	-	
Lead, Dissolved	98	-	80-120	-	
Magnesium, Dissolved	96	-	80-120	-	
Manganese, Dissolved	98	-	80-120	-	
Nickel, Dissolved	100	-	80-120	-	
Potassium, Dissolved	96	-	80-120	-	
Selenium, Dissolved	111	-	80-120	-	
Silver, Dissolved	95	-	80-120	-	
Sodium, Dissolved	97	-	80-120	-	
Thallium, Dissolved	106	-	80-120	-	
Vanadium, Dissolved	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG717623-2					
Zinc, Dissolved	98	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG717719-2					
Mercury, Total	93	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717237-3 WG717237-4 QC Sample: L1419470-01 Client ID: MW-38_082614												
Aluminum, Total	0.247	2	2.53	114		2.69	122		75-125	6		20
Antimony, Total	0.00932J	0.5	0.6172	123		0.6542	**131**	Q	75-125	6		20
Arsenic, Total	0.00236J	0.12	0.1501	125		0.1483	124		75-125	1		20
Barium, Total	0.6608	2	2.814	108		2.984	116		75-125	6		20
Beryllium, Total	ND	0.05	0.05582	112		0.05950	119		75-125	6		20
Cadmium, Total	ND	0.051	0.05858	115		0.06528	**128**	Q	75-125	11		20
Calcium, Total	452.	10	403	**0**	Q	369	**0**	Q	75-125	9		20
Chromium, Total	ND	0.2	0.2318	116		0.2362	118		75-125	2		20
Cobalt, Total	ND	0.5	0.5702	114		0.5854	117		75-125	3		20
Copper, Total	ND	0.25	0.2746	110		0.2786	111		75-125	1		20
Iron, Total	121.	1	84.1	**0**	Q	87.7	**0**	Q	75-125	4		20
Lead, Total	0.04024	0.51	0.6350	117		0.6740	124		75-125	6		20
Magnesium, Total	257.	10	259	**20**	Q	283	**260**	Q	75-125	9		20
Manganese, Total	4.116	0.5	3.418	**0**	Q	3.556	**0**	Q	75-125	4		20
Nickel, Total	ND	0.5	0.5410	108		0.5588	112		75-125	3		20
Potassium, Total	308.	10	234	**0**	Q	248	**0**	Q	75-125	6		20
Selenium, Total	ND	0.12	0.118	98		0.126	105		75-125	7		20
Silver, Total	ND	0.05	0.05628	112		0.06058	121		75-125	7		20
Sodium, Total	6030	10	5250	**0**	Q	4830	**0**	Q	75-125	8		20
Thallium, Total	ND	0.12	0.1113	93		0.1215	101		75-125	9		20
Vanadium, Total	ND	0.5	0.6116	122		0.6400	**128**	Q	75-125	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717237-3 WG717237-4 QC Sample: L1419470-01 Client ID: MW-38_082614											
Zinc, Total	0.1187J	0.5	0.6576	**132**	Q	0.6674	**133**	Q	75-125	1	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717340-3 WG717340-4 QC Sample: L1419470-01 Client ID: MW-38_082614											
Mercury, Dissolved	ND	0.005	0.00473	95		0.00476	95		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717623-3 WG717623-4 QC Sample: L1419470-01 Client ID: MW-38_082614											
Aluminum, Dissolved	ND	2	2.30	115		2.28	114		75-125	1	20
Antimony, Dissolved	0.01131J	0.5	0.5296	106		0.5472	109		75-125	3	20
Arsenic, Dissolved	ND	0.12	0.1460	122		0.1487	124		75-125	2	20
Barium, Dissolved	0.3571	2	2.728	118		2.732	119		75-125	0	20
Beryllium, Dissolved	ND	0.05	0.05610	112		0.05604	112		75-125	0	20
Cadmium, Dissolved	ND	0.051	0.05818	114		0.05854	115		75-125	1	20
Calcium, Dissolved	200.	10	210	100		218	**180**	Q	75-125	4	20
Chromium, Dissolved	ND	0.2	0.2296	115		0.2312	116		75-125	1	20
Cobalt, Dissolved	ND	0.5	0.5890	118		0.5884	118		75-125	0	20
Copper, Dissolved	ND	0.25	0.2888	116		0.2886	115		75-125	0	20
Iron, Dissolved	60.4	1	71.1	**1070**	Q	71.3	**1090**	Q	75-125	0	20
Lead, Dissolved	ND	0.51	0.5950	117		0.5906	116		75-125	1	20
Magnesium, Dissolved	712.	10	728	**160**	Q	707	**0**	Q	75-125	3	20
Manganese, Dissolved	2.407	0.5	3.358	**190**	Q	3.328	**184**	Q	75-125	1	20
Nickel, Dissolved	0.00098J	0.5	0.5842	117		0.5668	113		75-125	3	20
Potassium, Dissolved	196.	10	231	**350**	Q	227	**310**	Q	75-125	2	20
Selenium, Dissolved	ND	0.12	0.137	114		0.139	116		75-125	1	20
Silver, Dissolved	ND	0.05	0.05304	106		0.05260	105		75-125	1	20
Sodium, Dissolved	5590	10	5250	**0**	Q	5290	**0**	Q	75-125	1	20
Thallium, Dissolved	ND	0.12	0.1503	125		0.1500	125		75-125	0	20
Vanadium, Dissolved	ND	0.5	0.6260	125		0.6312	**126**	Q	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717623-3 WG717623-4 QC Sample: L1419470-01 Client ID: MW-38_082614									
Zinc, Dissolved	ND	0.5	0.5284	106	0.5192	104	75-125	2	20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717719-3 WG717719-4 QC Sample: L1419470-01 Client ID: MW-38_082614									
Mercury, Total	ND	0.005	0.00444	89	0.00429	86	75-125	3	20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-01
Client ID: MW-38_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/26/14 14:12
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.050	0.010	1	-	09/03/14 00:18	107,-	EL
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	08/27/14 16:59	08/28/14 14:31	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.050	0.017	5	08/27/14 01:40	08/27/14 02:21	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-02
Client ID: MW-39_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/26/14 15:40
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/03/14 00:18	107,-	EL
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	08/27/14 16:59	08/28/14 14:49	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/27/14 01:40	08/27/14 02:22	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419470-03
Client ID: F_GWDUP01_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/26/14 00:00
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	0.010		mg/l	0.010	0.010	1	-	09/03/14 00:18	107,-	EL
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	08/27/14 16:59	08/28/14 14:50	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/27/14 01:40	08/27/14 02:22	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419470
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG717099-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/27/14 01:40	08/27/14 02:21	1,7196A	EL
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG717343-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/27/14 16:59	08/28/14 14:25	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419470

Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG717099-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG717343-2 WG717343-3								
Cyanide, Total	100		100		80-120	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717099-3 WG717099-4 QC Sample: L1419470-01 Client ID: MW-38_082614												
Chromium, Hexavalent	ND	0.5	0.393	**79**	Q	0.418	**84**	Q	85-115	6		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717343-4 WG717343-5 QC Sample: L1419470-01 Client ID: MW-38_082614												
Cyanide, Total	0.004J	0.2	0.197	98		0.203	102		80-120	3		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419470-01A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-01A1	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-01A2	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-01B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-01B1	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-01B2	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-01C	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-01C1	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-01C2	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-01D	Plastic 500ml unpreserved	A	7	2.6	Y	Absent	HEXCR-7196(1)
L1419470-01D1	Plastic 500ml unpreserved	A	7	2.6	Y	Absent	HEXCR-7196(1)
L1419470-01D2	Plastic 500ml unpreserved	A	7	2.6	Y	Absent	HEXCR-7196(1)
L1419470-01E	Plastic 250ml NaOH preserved	A	>12	2.6	Y	Absent	TCN-9010(14)
L1419470-01E1	Plastic 250ml NaOH preserved	A	>12	2.6	Y	Absent	TCN-9010(14)
L1419470-01E2	Plastic 250ml NaOH preserved	A	>12	2.6	Y	Absent	TCN-9010(14)
L1419470-01F	Amber 500ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8081(7)
L1419470-01F1	Amber 500ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8081(7)
L1419470-01F2	Amber 500ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8081(7)
L1419470-01G	Amber 500ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8081(7)
L1419470-01G1	Amber 500ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8081(7)
L1419470-01G2	Amber 500ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8081(7)
L1419470-01H	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419470-01H1	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419470-01H2	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419470-01I	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419470-01I1	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419470-01I2	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419470-01J	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	HERB-APA(7)
L1419470-01J1	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	HERB-APA(7)
L1419470-01J2	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	HERB-APA(7)
L1419470-01K	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	HERB-APA(7)
L1419470-01K1	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	HERB-APA(7)
L1419470-01K2	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	HERB-APA(7)
L1419470-01L	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1419470-01L1	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1419470-01L2	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1419470-01M	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1419470-01M1	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1419470-01M2	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1419470-01N	Plastic 500ml HNO3 preserved	A	<2	2.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419470-01N1	Plastic 500ml HNO3 preserved	A	<2	2.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419470-01N2	Plastic 500ml HNO3 preserved	A	<2	2.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419470-01O	Plastic 500ml unpreserved	B	7	2.2	Y	Absent	FILTER-MET(1)
L1419470-01O1	Plastic 500ml unpreserved	B	7	2.2	Y	Absent	FILTER-MET(1)
L1419470-01O2	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	FILTER-MET(1)
L1419470-01X	Plastic 500ml HNO3 preserved spl	A	<2	2.6	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1419470-02A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-02B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-02C	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-02D	Plastic 500ml unpreserved	A	7	2.6	Y	Absent	HEXCR-7196(1)
L1419470-02E	Plastic 250ml NaOH preserved	A	>12	2.6	Y	Absent	TCN-9010(14)
L1419470-02F	Amber 500ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8081(7)
L1419470-02G	Amber 500ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8081(7)
L1419470-02H	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419470-02I	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419470-02J	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	HERB-APA(7)
L1419470-02K	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	HERB-APA(7)
L1419470-02L	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1419470-02M	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419470-02N	Plastic 500ml HNO3 preserved	A	<2	2.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419470-02O	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	FILTER-MET(1)
L1419470-02X	Plastic 120ml HNO3 preserved spl	C	<2	3.0	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180)
L1419470-03A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-03B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-03C	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-03D	Plastic 500ml unpreserved	C	7	3.0	Y	Absent	HEXCR-7196(1)
L1419470-03E	Plastic 250ml NaOH preserved	A	>12	2.6	Y	Absent	TCN-9010(14)
L1419470-03F	Amber 500ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8081(7)
L1419470-03G	Amber 500ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8081(7)
L1419470-03H	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419470-03I	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419470-03J	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	HERB-APA(7)
L1419470-03K	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	HERB-APA(7)
L1419470-03L	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1419470-03M	Amber 1000ml unpreserved	C	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1419470-03N	Plastic 500ml HNO3 preserved	A	<2	2.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419470
Report Date: 09/03/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419470-03O	Plastic 250ml unpreserved	A	7	2.6	Y	Absent	FILTER-MET(1)
L1419470-03X	Plastic 120ml HNO3 preserved spl	A	<2	2.6	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1419470-04A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1419470-04B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419470
Project Number:	170229002	**Report Date:**	09/03/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419470
Project Number:	170229002	**Report Date:**	09/03/14

Data Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419470
Project Number:	170229002	**Report Date:**	09/03/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No.09031416.30

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 8/27/14

ALPHA Job #: L1419470

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANGAN, D.P.C.
Address:
Phone:
Fax:
Email: gwyka@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: MIMI RAYGORODETSKY
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/3/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC
Criteria: TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:
1) PROVIDE EDD'S
2) PROVIDE ASP CAT B DELIVERABLES

ANALYSIS: VOCs (TAL/TCL), SVOCs (TAL/TCL), PCBs (TAL/TCL), HERBs (TAL/TCL), PESTs (TAL/TCL), METHS (TOTAL) (TAL/TCL), METHS (LABTINTER) (TAL/TCL), HEX-CHROM., TRI-CHROM., CYANIDE

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCBs	HERBs	PESTs	METHS (TOTAL)	METHS (LABTINTER)	HEX-CHROM.	TRI-CHROM.	CYANIDE	Sample Specific Comments
19470.1	MW-38_082614	8/26/14	14:12	GW	[signature]	X	→	→	→	→	→	→	→	X		1 AMBERS, 500 ml AMBERS PLASTIC, 40 ml VOAs
.1	MW-38_082614_MS	↓	14:12	↓	↓	X	→	→	→	→	→	→	→	X		↓
.1	MW-38_082614_MSD	↓	14:12	↓	↓	X	→	→	→	→	→	→	→	X		↓
.2	MW-39_082614	↓	15:40	↓	↓	X	→	→	→	→	→	→	→	X		↓
.3	F_GWDUP01_082614	↓	—	↓	↓	X	→	→	→	→	→	→	→	X		↓
.4	F_GWTB01_082614	↓	—	Aq.	↓	X	→	→	→	→	→	→	→	X		(2) 40 ml VOAs

Container Type																
Preservative																

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/26/14 1615	[signature] AAL	8/26/14 1615
[signature]	8/26/14 1835	Tom Tober	8-26-14 1835
Tom Tober	8/26/14 0015 8/27/14	Richard Scott	8/27/14 0015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1419629
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/04/14

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1419629-01	MW-13A_082714	WATER	BROOKLYN, NY	08/27/14 11:20	08/27/14
L1419629-02	MW-14A_082714	WATER	BROOKLYN, NY	08/27/14 12:10	08/27/14
L1419629-03	MW-18A_082714	WATER	BROOKLYN, NY	08/27/14 13:35	08/27/14
L1419629-04	F_GWFB1_082714	WATER	BROOKLYN, NY	08/27/14 00:00	08/27/14
L1419629-05	F_GWTB02_082714	WATER	BROOKLYN, NY	08/27/14 00:00	08/27/14

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1419629
Project Number: 170229002 **Report Date:** 09/04/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1419629-04: The Field Blank has a result for acetone present above the reporting limit. The sample vial was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

PCBs

The surrogate recoveries for L1419629-01 were outside the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (21%/21%) and decachlorobiphenyl (24%/24%); however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported.

Dissolved Metals

L1419629-04: The Field Blank has a concentration above the reporting limit for Sodium. The results were confirmed.

The WG717909-4 MS recoveries for calcium (310%), magnesium (32%), and sodium (0%), performed on L1419629-01, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG717909-4 MS recoveries, performed on L1419629-01, are outside the acceptance criteria for iron (130%) and potassium (0%). A post digestion spike was performed and yielded an unacceptable recovery for potassium (127%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/04/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-01
Client ID: MW-13A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/02/14 15:22
Analyst: MS

Date Collected: 08/27/14 11:20
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.45	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	8.2		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-01 Date Collected: 08/27/14 11:20

Client ID: MW-13A_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-01
Client ID: MW-13A_082714
Sample Location: BROOKLYN, NY
Date Collected: 08/27/14 11:20
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-02
Client ID: MW-14A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/02/14 15:50
Analyst: MS

Date Collected: 08/27/14 12:10
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.25	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	9.7		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-02 Date Collected: 08/27/14 12:10

Client ID: MW-14A_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	1.7	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-02
Client ID: MW-14A_082714
Sample Location: BROOKLYN, NY
Date Collected: 08/27/14 12:10
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	5.3		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-03
Client ID: MW-18A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/02/14 16:18
Analyst: MS

Date Collected: 08/27/14 13:35
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.18	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.56		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	3.8		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.30	J	ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	6.2		ug/l	2.5	0.70	1
Trichloroethene	0.65		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-03 Date Collected: 08/27/14 13:35

Client ID: MW-18A_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	40		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-03
Client ID: MW-18A_082714
Sample Location: BROOKLYN, NY
Date Collected: 08/27/14 13:35
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-04
Client ID: F_GWFB1_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/28/14 20:47
Analyst: MS

Date Collected: 08/27/14 00:00
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-04 Date Collected: 08/27/14 00:00

Client ID: F_GWFB1_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.6		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-04
Client ID: F_GWFB1_082714
Sample Location: BROOKLYN, NY
Date Collected: 08/27/14 00:00
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-05
Client ID: F_GWTB02_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/28/14 21:22
Analyst: MS

Date Collected: 08/27/14 00:00
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-05 Date Collected: 08/27/14 00:00

Client ID: F_GWTB02_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-05
Client ID: F_GWTB02_082714
Sample Location: BROOKLYN, NY
Date Collected: 08/27/14 00:00
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	128		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/14 16:42
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG718024-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/14 16:42
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG718024-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/14 16:42
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG718024-3					
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/14 16:42
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG718024-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/14 11:09
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG718599-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/14 11:09
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG718599-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/02/14 11:09
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG718599-3					
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG718024-1 WG718024-2								
Methylene chloride	95		96		70-130	1		20
1,1-Dichloroethane	103		101		70-130	2		20
Chloroform	110		108		70-130	2		20
2-Chloroethylvinyl ether	93		103		70-130	10		20
Carbon tetrachloride	105		100		63-132	5		20
1,2-Dichloropropane	96		101		70-130	5		20
Dibromochloromethane	93		96		63-130	3		20
1,1,2-Trichloroethane	104		106		70-130	2		20
Tetrachloroethene	90		90		70-130	0		20
Chlorobenzene	100		101		75-130	1		20
Trichlorofluoromethane	96		94		62-150	2		20
1,2-Dichloroethane	117		114		70-130	3		20
1,1,1-Trichloroethane	110		106		67-130	4		20
Bromodichloromethane	107		103		67-130	4		20
trans-1,3-Dichloropropene	100		102		70-130	2		20
cis-1,3-Dichloropropene	96		94		70-130	2		20
1,1-Dichloropropene	103		103		70-130	0		20
Bromoform	92		92		54-136	0		20
1,1,2,2-Tetrachloroethane	111		109		67-130	2		20
Benzene	101		103		70-130	2		20
Toluene	101		104		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG718024-1 WG718024-2								
Ethylbenzene	104		104		70-130	0		20
Chloromethane	81		82		64-130	1		20
Bromomethane	88		93		39-139	6		20
Vinyl chloride	75		75		55-140	0		20
Chloroethane	89		91		55-138	2		20
1,1-Dichloroethene	94		94		61-145	0		20
trans-1,2-Dichloroethene	101		97		70-130	4		20
Trichloroethene	103		101		70-130	2		20
1,2-Dichlorobenzene	96		94		70-130	2		20
1,3-Dichlorobenzene	97		93		70-130	4		20
1,4-Dichlorobenzene	96		94		70-130	2		20
Methyl tert butyl ether	102		98		63-130	4		20
p/m-Xylene	100		101		70-130	1		20
o-Xylene	102		103		70-130	1		20
cis-1,2-Dichloroethene	96		102		70-130	6		20
Dibromomethane	108		110		70-130	2		20
1,2,3-Trichloropropane	112		108		64-130	4		20
Acrylonitrile	104		108		70-130	4		20
Isopropyl Ether	112		110		70-130	2		20
tert-Butyl Alcohol	106		107		70-130	1		20
Styrene	104		106		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG718024-1 WG718024-2								
Dichlorodifluoromethane	93		90		36-147	3		20
Acetone	124		131		58-148	5		20
Carbon disulfide	95		94		51-130	1		20
2-Butanone	**145**	Q	**147**	Q	63-138	1		20
Vinyl acetate	115		112		70-130	3		20
4-Methyl-2-pentanone	94		95		59-130	1		20
2-Hexanone	120		121		57-130	1		20
Bromochloromethane	89		88		70-130	1		20
2,2-Dichloropropane	93		92		63-133	1		20
1,2-Dibromoethane	107		109		70-130	2		20
1,3-Dichloropropane	104		110		70-130	6		20
1,1,1,2-Tetrachloroethane	96		97		64-130	1		20
Bromobenzene	99		94		70-130	5		20
n-Butylbenzene	107		102		53-136	5		20
sec-Butylbenzene	108		104		70-130	4		20
tert-Butylbenzene	103		97		70-130	6		20
o-Chlorotoluene	111		110		70-130	1		20
p-Chlorotoluene	112		109		70-130	3		20
1,2-Dibromo-3-chloropropane	105		98		41-144	7		20
Hexachlorobutadiene	88		84		63-130	5		20
Isopropylbenzene	105		103		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG718024-1 WG718024-2								
p-Isopropyltoluene	101		96		70-130	5		20
Naphthalene	70		**65**	Q	70-130	7		20
n-Propylbenzene	111		108		69-130	3		20
1,2,3-Trichlorobenzene	76		77		70-130	1		20
1,2,4-Trichlorobenzene	82		78		70-130	5		20
1,3,5-Trimethylbenzene	106		104		64-130	2		20
1,2,4-Trimethylbenzene	107		105		70-130	2		20
Methyl Acetate	110		116		70-130	5		20
Ethyl Acetate	113		111		70-130	2		20
Cyclohexane	95		99		70-130	4		20
Ethyl-Tert-Butyl-Ether	100		100		70-130	0		20
Tertiary-Amyl Methyl Ether	96		98		66-130	2		20
1,4-Dioxane	139		140		56-162	1		20
Freon-113	97		99		70-130	2		20
p-Diethylbenzene	98		94		70-130	4		20
p-Ethyltoluene	107		105		70-130	2		20
1,2,4,5-Tetramethylbenzene	79		74		70-130	7		20
Ethyl ether	97		99		59-134	2		20
trans-1,4-Dichloro-2-butene	108		112		70-130	4		20
Iodomethane	93		94		70-130	1		20
Methyl cyclohexane	95		92		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG718024-1 WG718024-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		111		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	113		108		70-130
Dibromofluoromethane	102		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG718599-1 WG718599-2								
Methylene chloride	103		109		70-130	6		20
1,1-Dichloroethane	98		103		70-130	5		20
Chloroform	109		115		70-130	5		20
2-Chloroethylvinyl ether	95		97		70-130	2		20
Carbon tetrachloride	98		105		63-132	7		20
1,2-Dichloropropane	94		99		70-130	5		20
Dibromochloromethane	102		106		63-130	4		20
1,1,2-Trichloroethane	115		117		70-130	2		20
Tetrachloroethene	98		104		70-130	6		20
Chlorobenzene	104		108		75-130	4		20
Trichlorofluoromethane	149		**158**	Q	62-150	6		20
1,2-Dichloroethane	102		107		70-130	5		20
1,1,1-Trichloroethane	104		110		67-130	6		20
Bromodichloromethane	100		104		67-130	4		20
trans-1,3-Dichloropropene	106		108		70-130	2		20
cis-1,3-Dichloropropene	91		95		70-130	4		20
1,1-Dichloropropene	104		112		70-130	7		20
Bromoform	106		111		54-136	5		20
1,1,2,2-Tetrachloroethane	106		109		67-130	3		20
Benzene	101		106		70-130	5		20
Toluene	104		108		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG718599-1 WG718599-2								
Ethylbenzene	109		114		70-130	4		20
Chloromethane	85		92		64-130	8		20
Bromomethane	104		111		39-139	7		20
Vinyl chloride	99		110		55-140	11		20
Chloroethane	119		126		55-138	6		20
1,1-Dichloroethene	104		112		61-145	7		20
trans-1,2-Dichloroethene	104		112		70-130	7		20
Trichloroethene	102		109		70-130	7		20
1,2-Dichlorobenzene	104		109		70-130	5		20
1,3-Dichlorobenzene	107		112		70-130	5		20
1,4-Dichlorobenzene	108		113		70-130	5		20
Methyl tert butyl ether	108		111		63-130	3		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	107		112		70-130	5		20
cis-1,2-Dichloroethene	103		110		70-130	7		20
Dibromomethane	102		105		70-130	3		20
1,2,3-Trichloropropane	121		124		64-130	2		20
Acrylonitrile	98		100		70-130	2		20
Isopropyl Ether	90		93		70-130	3		20
tert-Butyl Alcohol	110		116		70-130	5		20
Styrene	105		109		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG718599-1 WG718599-2								
Dichlorodifluoromethane	88		94		36-147	7		20
Acetone	94		96		58-148	2		20
Carbon disulfide	96		103		51-130	7		20
2-Butanone	117		125		63-138	7		20
Vinyl acetate	94		97		70-130	3		20
4-Methyl-2-pentanone	91		92		59-130	1		20
2-Hexanone	94		94		57-130	0		20
Bromochloromethane	106		110		70-130	4		20
2,2-Dichloropropane	98		103		63-133	5		20
1,2-Dibromoethane	109		111		70-130	2		20
1,3-Dichloropropane	110		113		70-130	3		20
1,1,1,2-Tetrachloroethane	113		116		64-130	3		20
Bromobenzene	83		86		70-130	4		20
n-Butylbenzene	114		121		53-136	6		20
sec-Butylbenzene	104		111		70-130	7		20
tert-Butylbenzene	93		100		70-130	7		20
o-Chlorotoluene	101		116		70-130	14		20
p-Chlorotoluene	97		103		70-130	6		20
1,2-Dibromo-3-chloropropane	105		112		41-144	6		20
Hexachlorobutadiene	85		93		63-130	9		20
Isopropylbenzene	84		88		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG718599-1 WG718599-2								
p-Isopropyltoluene	104		109		70-130	5		20
Naphthalene	112		118		70-130	5		20
n-Propylbenzene	94		100		69-130	6		20
1,2,3-Trichlorobenzene	105		111		70-130	6		20
1,2,4-Trichlorobenzene	102		110		70-130	8		20
1,3,5-Trimethylbenzene	108		114		64-130	5		20
1,2,4-Trimethylbenzene	101		106		70-130	5		20
Methyl Acetate	109		108		70-130	1		20
Ethyl Acetate	102		106		70-130	4		20
Cyclohexane	92		99		70-130	7		20
Ethyl-Tert-Butyl-Ether	94		97		70-130	3		20
Tertiary-Amyl Methyl Ether	100		104		66-130	4		20
1,4-Dioxane	120		125		56-162	4		20
Freon-113	113		121		70-130	7		20
p-Diethylbenzene	104		110		70-130	6		20
p-Ethyltoluene	100		107		70-130	7		20
1,2,4,5-Tetramethylbenzene	102		108		70-130	6		20
Ethyl ether	110		114		59-134	4		20
trans-1,4-Dichloro-2-butene	96		97		70-130	1		20
Methyl cyclohexane	98		104		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG718599-1 WG718599-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		105		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	86		87		70-130
Dibromofluoromethane	108		108		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-01
Client ID: MW-13A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/03/14 22:04
Analyst: JB

Date Collected: 08/27/14 11:20
Date Received: 08/27/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-01 Date Collected: 08/27/14 11:20

Client ID: MW-13A_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	14		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	65		41-149

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-01
Client ID: MW-13A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/30/14 21:12
Analyst: MW

Date Collected: 08/27/14 11:20
Date Received: 08/27/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.1		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.78		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.20		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.24		ug/l	0.20	0.06	1
Benzo(a)pyrene	0.26		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.23		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.09	J	ug/l	0.20	0.07	1
Chrysene	0.22		ug/l	0.20	0.05	1
Acenaphthylene	0.32		ug/l	0.20	0.05	1
Anthracene	0.20		ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.14	J	ug/l	0.20	0.07	1
Fluorene	0.06	J	ug/l	0.20	0.06	1
Phenanthrene	0.22		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	0.10	J	ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.24		ug/l	0.20	0.08	1
Pyrene	0.96		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-01 Date Collected: 08/27/14 11:20

Client ID: MW-13A_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	64		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-02
Client ID: MW-14A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/03/14 22:30
Analyst: JB

Date Collected: 08/27/14 12:10
Date Received: 08/27/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-02 Date Collected: 08/27/14 12:10

Client ID: MW-14A_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	65		41-149

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-02
Client ID: MW-14A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/30/14 21:42
Analyst: MW

Date Collected: 08/27/14 12:10
Date Received: 08/27/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.27		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.22		ug/l	0.20	0.06	1
Benzo(a)pyrene	0.21		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.20		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.08	J	ug/l	0.20	0.07	1
Chrysene	0.18	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.08	J	ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.08	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	0.10	J	ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.20		ug/l	0.20	0.08	1
Pyrene	0.53		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-02 Date Collected: 08/27/14 12:10

Client ID: MW-14A_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	57		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-03
Client ID: MW-18A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/03/14 22:55
Analyst: JB

Date Collected: 08/27/14 13:35
Date Received: 08/27/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-03 Date Collected: 08/27/14 13:35

Client ID: MW-18A_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	23		21-120
Phenol-d6	14		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	45		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	56		41-149

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-03
Client ID: MW-18A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/30/14 22:12
Analyst: MW

Date Collected: 08/27/14 13:35
Date Received: 08/27/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.10	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-03 Date Collected: 08/27/14 13:35

Client ID: MW-18A_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	53		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-04
Client ID: F_GWFB1_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/03/14 23:20
Analyst: JB

Date Collected: 08/27/14 00:00
Date Received: 08/27/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-04 Date Collected: 08/27/14 00:00

Client ID: F_GWFB1_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	21-120
Phenol-d6	12		10-120
Nitrobenzene-d5	41		23-120
2-Fluorobiphenyl	43		15-120
2,4,6-Tribromophenol	47		10-120
4-Terphenyl-d14	54		41-149

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-04
Client ID: F_GWFB1_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/30/14 22:41
Analyst: MW

Date Collected: 08/27/14 00:00
Date Received: 08/27/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.09	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-04 Date Collected: 08/27/14 00:00

Client ID: F_GWFB1_082714 Date Received: 08/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	23		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	47		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	54		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/04/14 11:20
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG717854-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Benzidine	ND		ug/l	20	5.2
n-Nitrosodimethylamine	ND		ug/l	2.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Azobenzene	ND		ug/l	2.0	0.54
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/04/14 11:20
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG717854-1					
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
Aniline	ND		ug/l	2.0	0.55
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/04/14 11:20
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG717854-1					
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	10	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Pyridine	ND		ug/l	5.0	0.31
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/04/14 11:20
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG717854-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	87		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/14 10:39
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG717855-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/14 10:39
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 08/29/14 00:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG717855-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	79		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG717854-2 WG717854-3								
Acenaphthene	61		52		37-111	16		30
1,2,4-Trichlorobenzene	46		**37**	Q	39-98	22		30
Benzidine	36		14			**88**	Q	30
n-Nitrosodimethylamine	29		24			19		30
Hexachlorobenzene	74		69		40-140	7		30
Bis(2-chloroethyl)ether	63		52		40-140	19		30
2-Chloronaphthalene	59		49		40-140	19		30
1,2-Dichlorobenzene	45		**38**	Q	40-140	17		30
1,3-Dichlorobenzene	44		**36**	Q	40-140	20		30
1,4-Dichlorobenzene	44		36		36-97	20		30
3,3'-Dichlorobenzidine	58		51		40-140	13		30
2,4-Dinitrotoluene	77		72		24-96	7		30
2,6-Dinitrotoluene	75		69		40-140	8		30
Azobenzene	64		56		40-140	13		30
Fluoranthene	70		67		40-140	4		30
4-Chlorophenyl phenyl ether	67		60		40-140	11		30
4-Bromophenyl phenyl ether	72		66		40-140	9		30
Bis(2-chloroisopropyl)ether	57		48		40-140	17		30
Bis(2-chloroethoxy)methane	67		55		40-140	20		30
Hexachlorobutadiene	44		**34**	Q	40-140	26		30
Hexachlorocyclopentadiene	**25**	Q	**20**	Q	40-140	22		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG717854-2 WG717854-3								
Hexachloroethane	41		**33**	Q	40-140	22		30
Isophorone	69		56		40-140	21		30
Naphthalene	53		44		40-140	19		30
Nitrobenzene	64		52		40-140	21		30
NitrosoDiPhenylAmine(NDPA)/DPA	67		60		40-140	11		30
n-Nitrosodi-n-propylamine	65		52		29-132	22		30
Bis(2-Ethylhexyl)phthalate	72		72		40-140	0		30
Butyl benzyl phthalate	74		72		40-140	3		30
Di-n-butylphthalate	71		67		40-140	6		30
Di-n-octylphthalate	72		70		40-140	3		30
Diethyl phthalate	72		67		40-140	7		30
Dimethyl phthalate	72		65		40-140	10		30
Benzo(a)anthracene	68		66		40-140	3		30
Benzo(a)pyrene	64		64		40-140	0		30
Benzo(b)fluoranthene	65		66		40-140	2		30
Benzo(k)fluoranthene	68		66		40-140	3		30
Chrysene	70		69		40-140	1		30
Acenaphthylene	64		54		45-123	17		30
Anthracene	68		66		40-140	3		30
Benzo(ghi)perylene	62		63		40-140	2		30
Fluorene	65		57		40-140	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG717854-2 WG717854-3								
Phenanthrene	66		64		40-140	3		30
Dibenzo(a,h)anthracene	63		64		40-140	2		30
Indeno(1,2,3-cd)Pyrene	64		64		40-140	0		30
Pyrene	70		66		26-127	6		30
Biphenyl	62		52			18		30
Aniline	**32**	Q	**25**	Q	40-140	25		30
4-Chloroaniline	59		48		40-140	21		30
2-Nitroaniline	74		68		52-143	8		30
3-Nitroaniline	57		50		25-145	13		30
4-Nitroaniline	67		65		51-143	3		30
Dibenzofuran	60		53		40-140	12		30
2-Methylnaphthalene	51		41		40-140	22		30
1,2,4,5-Tetrachlorobenzene	54		44		2-134	20		30
Acetophenone	74		62		39-129	18		30
2,4,6-Trichlorophenol	68		59		30-130	14		30
P-Chloro-M-Cresol	59		52		23-97	13		30
2-Chlorophenol	52		42		27-123	21		30
2,4-Dichlorophenol	62		52		30-130	18		30
2,4-Dimethylphenol	62		49		30-130	23		30
2-Nitrophenol	62		53		30-130	16		30
4-Nitrophenol	31		28		10-80	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG717854-2 WG717854-3								
2,4-Dinitrophenol	55		57		20-130	4		30
4,6-Dinitro-o-cresol	69		67		20-164	3		30
Pentachlorophenol	70		69		9-103	1		30
Phenol	20		18		12-110	11		30
2-Methylphenol	44		37		30-130	17		30
3-Methylphenol/4-Methylphenol	42		37		30-130	13		30
2,4,5-Trichlorophenol	68		61		30-130	11		30
Benzoic Acid	15		15			0		30
Benzyl Alcohol	47		39			19		30
Carbazole	67		64		55-144	5		30
Pyridine	20		18		10-66	11		30
Benzaldehyde	63		48		40-140	27		30
Caprolactam	16		16		10-130	0		30
Atrazine	74		74		40-140	0		30
2,3,4,6-Tetrachlorophenol	71		62		54-145	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG717854-2 WG717854-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	31		26		21-120
Phenol-d6	20		17		10-120
Nitrobenzene-d5	65		53		23-120
2-Fluorobiphenyl	68		57		15-120
2,4,6-Tribromophenol	73		69		10-120
4-Terphenyl-d14	69		66		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG717855-2 WG717855-3								
Acenaphthene	70		74		37-111	6		40
2-Chloronaphthalene	65		69		40-140	6		40
Fluoranthene	92		91		40-140	1		40
Hexachlorobutadiene	60		62		40-140	3		40
Naphthalene	65		65		40-140	0		40
Benzo(a)anthracene	106		106		40-140	0		40
Benzo(a)pyrene	89		89		40-140	0		40
Benzo(b)fluoranthene	96		95		40-140	1		40
Benzo(k)fluoranthene	89		89		40-140	0		40
Chrysene	97		94		40-140	3		40
Acenaphthylene	78		83		40-140	6		40
Anthracene	85		87		40-140	2		40
Benzo(ghi)perylene	92		92		40-140	0		40
Fluorene	78		82		40-140	5		40
Phenanthrene	81		82		40-140	1		40
Dibenzo(a,h)anthracene	91		93		40-140	2		40
Indeno(1,2,3-cd)Pyrene	91		93		40-140	2		40
Pyrene	93		95		26-127	2		40
2-Methylnaphthalene	71		88		40-140	21		40
Pentachlorophenol	79		85		9-103	7		40
Hexachlorobenzene	81		82		40-140	1		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG717855-2 WG717855-3								
Hexachloroethane	76		75		40-140	1		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	37		35		21-120
Phenol-d6	26		25		10-120
Nitrobenzene-d5	78		77		23-120
2-Fluorobiphenyl	76		79		15-120
2,4,6-Tribromophenol	89		99		10-120
4-Terphenyl-d14	85		90		41-149

PCBS

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID:	L1419629-01	Date Collected:	08/27/14 11:20
Client ID:	MW-13A_082714	Date Received:	08/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/28/14 13:40
Analytical Date:	08/29/14 20:40	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/29/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**21**	Q	30-150	B
Decachlorobiphenyl	**24**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**21**	Q	30-150	A
Decachlorobiphenyl	**24**	Q	30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID:	L1419629-01	RE	Date Collected:	08/27/14 11:20
Client ID:	MW-13A_082714		Date Received:	08/27/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8082A		Extraction Date:	09/04/14 08:52
Analytical Date:	09/04/14 13:08		Cleanup Method:	EPA 3665A
Analyst:	TQ		Cleanup Date:	09/04/14
			Cleanup Method:	EPA 3660B
			Cleanup Date:	09/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID:	L1419629-02	Date Collected:	08/27/14 12:10
Client ID:	MW-14A_082714	Date Received:	08/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/28/14 13:40
Analytical Date:	08/29/14 20:53	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/29/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	73		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID:	L1419629-03	Date Collected:	08/27/14 13:35
Client ID:	MW-18A_082714	Date Received:	08/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/28/14 13:40
Analytical Date:	08/29/14 21:07	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/29/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	71		30-150	A

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID:	L1419629-04	Date Collected:	08/27/14 00:00
Client ID:	F_GWFB1_082714	Date Received:	08/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/28/14 13:40
Analytical Date:	08/29/14 21:21	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/29/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/29/14 21:48
Analyst: TQ

Extraction Method: EPA 3510C
Extraction Date: 08/28/14 13:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/29/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG717699-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	62		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG717699-2 WG717699-3									
Aroclor 1016	71		55		40-140	27		50	A
Aroclor 1260	79		64		40-140	20		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		47		30-150	B
Decachlorobiphenyl	75		55		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		52		30-150	A
Decachlorobiphenyl	81		59		30-150	A

PESTICIDES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID:	L1419629-01	Date Collected:	08/27/14 11:20
Client ID:	MW-13A_082714	Date Received:	08/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/28/14 16:24
Analytical Date:	09/01/14 00:50	Cleanup Method:	EPA 3620B
Analyst:	TQ	Cleanup Date:	08/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID:	L1419629-01	Date Collected:	08/27/14 11:20
Client ID:	MW-13A_082714	Date Received:	08/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/28/14 16:23
Analytical Date:	08/31/14 10:51		
Analyst:	SH		

Methylation Date: 08/29/14 02:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	105		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID:	L1419629-02	Date Collected:	08/27/14 12:10
Client ID:	MW-14A_082714	Date Received:	08/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/28/14 16:24
Analytical Date:	09/01/14 01:03	Cleanup Method:	EPA 3620B
Analyst:	TQ	Cleanup Date:	08/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID:	L1419629-02	Date Collected:	08/27/14 12:10
Client ID:	MW-14A_082714	Date Received:	08/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/28/14 16:23
Analytical Date:	08/31/14 11:13		
Analyst:	SH		

Methylation Date: 08/29/14 02:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	94		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID:	L1419629-03	Date Collected:	08/27/14 13:35
Client ID:	MW-18A_082714	Date Received:	08/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/29/14 16:24
Analytical Date:	09/04/14 12:06	Cleanup Method:	EPA 3620B
Analyst:	TQ	Cleanup Date:	08/31/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-03
Client ID: MW-18A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/31/14 11:34
Analyst: SH

Date Collected: 08/27/14 13:35
Date Received: 08/27/14
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/28/14 16:23

Methylation Date: 08/29/14 02:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	105		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID:	L1419629-04	Date Collected:	08/27/14 00:00
Client ID:	F_GWFB1_082714	Date Received:	08/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/29/14 16:24
Analytical Date:	09/04/14 12:19	Cleanup Method:	EPA 3620B
Analyst:	TQ	Cleanup Date:	08/31/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID:	L1419629-04	Date Collected:	08/27/14 00:00
Client ID:	F_GWFB1_082714	Date Received:	08/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/28/14 16:23
Analytical Date:	08/31/14 11:56		
Analyst:	SH		

Methylation Date: 08/29/14 02:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	91		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/04/14 11:40
Analyst: TQ

Extraction Method: EPA 3510C
Extraction Date: 08/28/14 16:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG717775-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/31/14 09:47
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 08/28/14 16:23

Methylation Date: 08/29/14 02:50

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG717776-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.488	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	102		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/04/14 11:53
Analyst: TQ

Extraction Method: EPA 3510C
Extraction Date: 08/29/14 16:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04 Batch: WG718115-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG717775-2 WG717775-3									
Delta-BHC	76		85		30-150	11		20	A
Lindane	85		93		30-150	9		20	A
Alpha-BHC	76		82		30-150	7		20	A
Beta-BHC	82		91		30-150	10		20	A
Heptachlor	72		79		30-150	9		20	A
Aldrin	71		76		30-150	8		20	A
Heptachlor epoxide	79		88		30-150	11		20	A
Endrin	89		99		30-150	10		20	A
Endrin ketone	72		80		30-150	12		20	A
Dieldrin	86		96		30-150	10		20	A
4,4'-DDE	79		88		30-150	10		20	A
4,4'-DDD	83		90		30-150	9		20	A
4,4'-DDT	80		88		30-150	10		20	A
Endosulfan I	80		88		30-150	10		20	A
Endosulfan II	74		82		30-150	10		20	A
Endosulfan sulfate	76		86		30-150	12		20	A
Methoxychlor	69		76		30-150	9		20	A
cis-Chlordane	77		87		30-150	12		20	A
trans-Chlordane	80		89		30-150	11		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG717775-2 WG717775-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		62		30-150	A
Decachlorobiphenyl	83		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		58		30-150	B
Decachlorobiphenyl	96		94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG717776-2 WG717776-3									
2,4-D	121		118		30-150	3		25	A
2,4,5-T	104		105		30-150	1		25	A
2,4,5-TP (Silvex)	104		103		30-150	1		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	114		112		30-150	A
DCAA	108		110		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG718115-2 WG718115-3									
Delta-BHC	78		79		30-150	1		20	A
Lindane	85		86		30-150	1		20	A
Alpha-BHC	77		75		30-150	2		20	A
Beta-BHC	84		83		30-150	0		20	A
Heptachlor	76		75		30-150	1		20	A
Aldrin	72		73		30-150	0		20	A
Heptachlor epoxide	82		81		30-150	1		20	A
Endrin	90		92		30-150	1		20	A
Endrin ketone	68		69		30-150	1		20	A
Dieldrin	89		90		30-150	1		20	A
4,4'-DDE	83		83		30-150	0		20	A
4,4'-DDD	84		85		30-150	1		20	A
4,4'-DDT	78		80		30-150	2		20	A
Endosulfan I	81		81		30-150	0		20	A
Endosulfan II	73		74		30-150	2		20	A
Endosulfan sulfate	73		74		30-150	2		20	A
Methoxychlor	68		69		30-150	2		20	A
cis-Chlordane	84		84		30-150	0		20	A
trans-Chlordane	87		86		30-150	1		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG718115-2 WG718115-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		52		30-150	A
Decachlorobiphenyl	71		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		54		30-150	B
Decachlorobiphenyl	82		76		30-150	B

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-01
Client ID: MW-13A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/27/14 11:20
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.452		mg/l	0.0100	0.00200	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Antimony, Total	0.00097	J	mg/l	0.00300	0.00010	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00284		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Barium, Total	0.07216		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Calcium, Total	520.		mg/l	20.0	6.40	200	08/28/14 12:22	09/02/14 16:14	EPA 3005A	1,6020A	KL
Chromium, Total	0.00124		mg/l	0.00100	0.00020	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00063		mg/l	0.00020	0.00010	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Copper, Total	0.00419		mg/l	0.00100	0.00010	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Iron, Total	8.45		mg/l	0.0500	0.0130	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Lead, Total	0.02116		mg/l	0.00100	0.00020	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Magnesium, Total	99.3		mg/l	1.40	0.0486	20	08/28/14 12:22	09/02/14 15:09	EPA 3005A	1,6020A	KL
Manganese, Total	1.449		mg/l	0.01000	0.00200	20	08/28/14 12:22	09/02/14 15:09	EPA 3005A	1,6020A	KL
Mercury, Total	0.00019	J	mg/l	0.00020	0.00006	1	08/29/14 13:15	08/30/14 14:13	EPA 7470A	1,7470A	AK
Nickel, Total	0.00206		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Potassium, Total	30.2		mg/l	0.100	0.0270	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Selenium, Total	0.00043	J	mg/l	0.00500	0.00030	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Sodium, Total	548.		mg/l	2.00	0.300	20	08/28/14 12:22	09/02/14 15:09	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00131	J	mg/l	0.00500	0.00010	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Zinc, Total	0.01603		mg/l	0.01000	0.00120	1	08/28/14 12:22	09/02/14 15:13	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00316	J	mg/l	0.0100	0.00200	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Antimony, Dissolved	0.00542		mg/l	0.00300	0.00010	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Arsenic, Dissolved	0.00185		mg/l	0.00050	0.00020	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Barium, Dissolved	0.05683		mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-01
Client ID: MW-13A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/27/14 11:20
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	496.		mg/l	100.	32.0	1000	08/28/14 02:20	09/04/14 13:38	NA	1,6020A	KL
Chromium, Dissolved	0.00048	J	mg/l	0.00100	0.00020	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Cobalt, Dissolved	0.00027		mg/l	0.00020	0.00010	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Iron, Dissolved	7.35		mg/l	0.0500	0.0130	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Lead, Dissolved	0.00020	J	mg/l	0.00100	0.00020	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Magnesium, Dissolved	91.8		mg/l	1.40	0.460	20	08/28/14 02:20	09/02/14 17:27	NA	1,6020A	KL
Manganese, Dissolved	1.258		mg/l	0.01000	0.00200	20	08/28/14 02:20	09/02/14 17:27	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/28/14 15:58	08/30/14 12:48	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00107		mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Potassium, Dissolved	29.2		mg/l	0.100	0.0270	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Selenium, Dissolved	0.00086	J	mg/l	0.00500	0.00030	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Sodium, Dissolved	516.		mg/l	2.00	0.300	20	08/28/14 02:20	09/02/14 17:27	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Vanadium, Dissolved	0.00019	J	mg/l	0.00500	0.00010	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	08/28/14 02:20	09/02/14 17:30	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-02
Client ID: MW-14A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/27/14 12:10
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0862		mg/l	0.0100	0.00200	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Antimony, Total	0.00047	J	mg/l	0.00300	0.00010	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Arsenic, Total	0.01005		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Barium, Total	0.6744		mg/l	0.01000	0.00200	20	08/28/14 12:22	09/02/14 15:16	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Calcium, Total	250.		mg/l	20.0	6.40	200	08/28/14 12:22	09/02/14 17:41	EPA 3005A	1,6020A	KL
Chromium, Total	0.00488		mg/l	0.00100	0.00020	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00445		mg/l	0.00020	0.00010	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Copper, Total	0.00203		mg/l	0.00100	0.00010	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Iron, Total	49.6		mg/l	0.0500	0.0130	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Lead, Total	0.02415		mg/l	0.00100	0.00020	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Magnesium, Total	29.5		mg/l	0.0700	0.00243	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Manganese, Total	6.264		mg/l	0.01000	0.00200	20	08/28/14 12:22	09/02/14 15:16	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/29/14 13:15	08/30/14 14:15	EPA 7470A	1,7470A	AK
Nickel, Total	0.00470		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Potassium, Total	14.4		mg/l	0.100	0.0270	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Sodium, Total	357.		mg/l	2.00	0.300	20	08/28/14 12:22	09/02/14 15:16	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00048	J	mg/l	0.00500	0.00010	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Zinc, Total	0.01702		mg/l	0.01000	0.00120	1	08/28/14 12:22	09/02/14 15:20	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00344	J	mg/l	0.0100	0.00200	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Antimony, Dissolved	0.00086	J	mg/l	0.00300	0.00010	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Arsenic, Dissolved	0.00796		mg/l	0.00050	0.00020	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Barium, Dissolved	0.5950		mg/l	0.01000	0.00200	20	08/28/14 02:20	09/02/14 18:07	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-02
Client ID: MW-14A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/27/14 12:10
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	223.		mg/l	100.	32.0	1000	08/28/14 02:20	09/04/14 14:03	NA	1,6020A	KL
Chromium, Dissolved	0.00052	J	mg/l	0.00100	0.00020	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Cobalt, Dissolved	0.00415		mg/l	0.00020	0.00010	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Iron, Dissolved	42.4		mg/l	0.0500	0.0130	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Lead, Dissolved	0.00052	J	mg/l	0.00100	0.00020	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Magnesium, Dissolved	27.8		mg/l	0.0700	0.0230	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Manganese, Dissolved	6.092		mg/l	0.01000	0.00200	20	08/28/14 02:20	09/02/14 18:07	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/28/14 15:58	08/30/14 12:49	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00250		mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Potassium, Dissolved	14.0		mg/l	0.100	0.0270	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Silver, Dissolved	0.00065		mg/l	0.00040	0.00010	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Sodium, Dissolved	340.		mg/l	2.00	0.300	20	08/28/14 02:20	09/02/14 18:07	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL
Zinc, Dissolved	0.00453	J	mg/l	0.01000	0.00120	1	08/28/14 02:20	09/02/14 18:10	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-03
Client ID: MW-18A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/27/14 13:35
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.343		mg/l	0.0100	0.00200	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Antimony, Total	0.00056	J	mg/l	0.00300	0.00010	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00561		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Barium, Total	0.1573		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Calcium, Total	136.		mg/l	2.00	0.640	20	08/28/14 12:22	09/02/14 15:23	EPA 3005A	1,6020A	KL
Chromium, Total	0.00117		mg/l	0.00100	0.00020	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00188		mg/l	0.00020	0.00010	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Copper, Total	0.00676		mg/l	0.00100	0.00010	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Iron, Total	6.91		mg/l	0.0500	0.0130	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Lead, Total	0.02860		mg/l	0.00100	0.00020	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Magnesium, Total	26.5		mg/l	0.0700	0.00243	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Manganese, Total	5.948		mg/l	0.01000	0.00200	20	08/28/14 12:22	09/02/14 15:23	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/29/14 13:15	08/30/14 14:16	EPA 7470A	1,7470A	AK
Nickel, Total	0.00163		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Potassium, Total	5.94		mg/l	0.100	0.0270	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Sodium, Total	218.		mg/l	2.00	0.300	20	08/28/14 12:22	09/02/14 15:23	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00095	J	mg/l	0.00500	0.00010	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Zinc, Total	0.00904	J	mg/l	0.01000	0.00120	1	08/28/14 12:22	09/02/14 15:27	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00400	J	mg/l	0.0100	0.00200	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Antimony, Dissolved	0.00089	J	mg/l	0.00300	0.00010	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Arsenic, Dissolved	0.00510		mg/l	0.00050	0.00020	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Barium, Dissolved	0.1344		mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-03
Client ID: MW-18A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/27/14 13:35
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	118.		mg/l	2.00	0.640	20	08/28/14 02:20	09/02/14 18:14	NA	1,6020A	KL
Chromium, Dissolved	0.00044	J	mg/l	0.00100	0.00020	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Cobalt, Dissolved	0.00157		mg/l	0.00020	0.00010	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Iron, Dissolved	4.96		mg/l	0.0500	0.0130	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Lead, Dissolved	0.00042	J	mg/l	0.00100	0.00020	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Magnesium, Dissolved	26.1		mg/l	0.0700	0.0230	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Manganese, Dissolved	5.042		mg/l	0.01000	0.00200	20	08/28/14 02:20	09/02/14 18:14	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/28/14 15:58	08/30/14 12:51	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00111		mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Potassium, Dissolved	5.82		mg/l	0.100	0.0270	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Sodium, Dissolved	192.		mg/l	2.00	0.300	20	08/28/14 02:20	09/02/14 18:14	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL
Zinc, Dissolved	0.00129	J	mg/l	0.01000	0.00120	1	08/28/14 02:20	09/02/14 18:17	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-04
Client ID: F_GWFB1_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/27/14 00:00
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Antimony, Total	0.00052	J	mg/l	0.00300	0.00010	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Barium, Total	0.00013	J	mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Chromium, Total	0.00028	J	mg/l	0.00100	0.00020	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Copper, Total	0.00049	J	mg/l	0.00100	0.00010	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.00243	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/29/14 13:15	08/30/14 14:22	EPA 7470A	1,7470A	AK
Nickel, Total	ND		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0270	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Sodium, Total	ND		mg/l	0.100	0.0150	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00120	1	08/28/14 12:22	09/02/14 14:15	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Antimony, Dissolved	0.00120	J	mg/l	0.00300	0.00010	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Barium, Dissolved	0.00016	J	mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1419629
Project Number: 170229002
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-04
Client ID: F_GWFB1_082714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/27/14 00:00
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	0.0329	J	mg/l	0.100	0.0320	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Chromium, Dissolved	0.00035	J	mg/l	0.00100	0.00020	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Cobalt, Dissolved	ND		mg/l	0.00020	0.00010	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Copper, Dissolved	0.00042	J	mg/l	0.00100	0.00010	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Magnesium, Dissolved	ND		mg/l	0.0700	0.0230	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Manganese, Dissolved	0.00022	J	mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/28/14 15:58	08/30/14 12:53	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00012	J	mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Potassium, Dissolved	ND		mg/l	0.100	0.0270	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Sodium, Dissolved	0.122		mg/l	0.100	0.0150	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	08/28/14 02:20	09/02/14 17:12	NA	1,6020A	KL

Project Name: GREENPOINT LANDING **Lab Number:** L1419629

Project Number: 170229002 **Report Date:** 09/04/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG717652-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Antimony, Total	0.00059	J	mg/l	0.00200	0.00010	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Chromium, Total	ND		mg/l	0.00100	0.00020	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Copper, Total	0.00048	J	mg/l	0.00100	0.00010	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.00243	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Nickel, Total	ND		mg/l	0.00050	0.00010	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0270	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Sodium, Total	ND		mg/l	0.100	0.0150	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00300	0.00010	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00120	1	08/28/14 12:22	09/02/14 14:11	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-04 Batch: WG717745-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/28/14 15:58	08/30/14 12:35	1,7470A	AK

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-04 Batch: WG717909-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Antimony, Dissolved	0.00210	J	mg/l	0.00300	0.00010	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Chromium, Dissolved	0.00042	J	mg/l	0.00100	0.00020	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Cobalt, Dissolved	ND		mg/l	0.00020	0.00010	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Copper, Dissolved	0.00047	J	mg/l	0.00100	0.00010	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Magnesium, Dissolved	ND		mg/l	0.0700	0.0230	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Manganese, Dissolved	ND		mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Nickel, Dissolved	0.00012	J	mg/l	0.00050	0.00010	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Potassium, Dissolved	ND		mg/l	0.100	0.0270	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Sodium, Dissolved	ND		mg/l	0.100	0.0150	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	08/28/14 02:20	09/02/14 17:09	1,6020A	KL

Prep Information

Digestion Method: NA

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG718032-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/29/14 13:15	08/30/14 13:42	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG717652-2								
Aluminum, Total	110		-		80-120	-		
Antimony, Total	101		-		80-120	-		
Arsenic, Total	100		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	106		-		80-120	-		
Cadmium, Total	108		-		80-120	-		
Calcium, Total	106		-		80-120	-		
Chromium, Total	99		-		80-120	-		
Cobalt, Total	103		-		80-120	-		
Copper, Total	101		-		80-120	-		
Iron, Total	99		-		80-120	-		
Lead, Total	103		-		80-120	-		
Magnesium, Total	116		-		80-120	-		
Manganese, Total	100		-		80-120	-		
Nickel, Total	102		-		80-120	-		
Potassium, Total	90		-		80-120	-		
Selenium, Total	111		-		80-120	-		
Silver, Total	99		-		80-120	-		
Sodium, Total	107		-		80-120	-		
Thallium, Total	98		-		80-120	-		
Vanadium, Total	105		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG717652-2					
Zinc, Total	101	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG717745-2					
Mercury, Dissolved	92	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG717909-2					
Aluminum, Dissolved	108	-	80-120	-	
Antimony, Dissolved	112	-	80-120	-	
Arsenic, Dissolved	98	-	80-120	-	
Barium, Dissolved	102	-	80-120	-	
Beryllium, Dissolved	106	-	80-120	-	
Cadmium, Dissolved	107	-	80-120	-	
Calcium, Dissolved	104	-	80-120	-	
Chromium, Dissolved	98	-	80-120	-	
Cobalt, Dissolved	102	-	80-120	-	
Copper, Dissolved	101	-	80-120	-	
Iron, Dissolved	103	-	80-120	-	
Lead, Dissolved	105	-	80-120	-	
Magnesium, Dissolved	118	-	80-120	-	
Manganese, Dissolved	100	-	80-120	-	
Nickel, Dissolved	103	-	80-120	-	
Potassium, Dissolved	106	-	80-120	-	
Selenium, Dissolved	119	-	80-120	-	
Silver, Dissolved	100	-	80-120	-	
Sodium, Dissolved	108	-	80-120	-	
Thallium, Dissolved	98	-	80-120	-	
Vanadium, Dissolved	102	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG717909-2					
Zinc, Dissolved	103	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG718032-2					
Mercury, Total	96	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717652-3 WG717652-4 QC Sample: L1419490-03 Client ID: MS Sample												
Aluminum, Total	0.0238	2	2.63	**130**	Q	2.34	116		75-125	12		20
Antimony, Total	0.00192J	0.5	0.6468	**126**	Q	0.5812	113		75-125	11		20
Arsenic, Total	0.00077	0.12	0.1492	124		0.1358	113		75-125	9		20
Barium, Total	0.05219	2	2.558	125		2.262	110		75-125	12		20
Beryllium, Total	ND	0.05	0.06446	**129**	Q	0.05808	116		75-125	10		20
Cadmium, Total	0.00005J	0.051	0.06846	**134**	Q	0.06242	122		75-125	9		20
Calcium, Total	95.0	10	112	**170**	Q	98.4	**34**	Q	75-125	13		20
Chromium, Total	0.00036J	0.2	0.2444	122		0.2210	110		75-125	10		20
Cobalt, Total	0.04137	0.5	0.6740	**127**	Q	0.6126	114		75-125	10		20
Copper, Total	0.00121	0.25	0.3062	122		0.2764	110		75-125	10		20
Iron, Total	4.22	1	6.44	**222**	Q	5.88	**166**	Q	75-125	9		20
Lead, Total	ND	0.51	0.6454	**126**	Q	0.5810	114		75-125	11		20
Magnesium, Total	23.2	10	18.7	**0**	Q	29.2	**60**	Q	75-125	**44**	Q	20
Manganese, Total	8.452	0.5	9.492	**208**	Q	8.530	**16**	Q	75-125	11		20
Nickel, Total	0.01172	0.5	0.6294	124		0.5684	111		75-125	10		20
Potassium, Total	2.70	10	16.1	**134**	Q	13.9	112		75-125	15		20
Selenium, Total	ND	0.12	0.165	**138**	Q	0.144	120		75-125	14		20
Silver, Total	ND	0.05	0.06058	121		0.05382	108		75-125	12		20
Sodium, Total	23.0	10	24.2	120		15.7	**0**	Q	75-125	**43**	Q	20
Thallium, Total	ND	0.12	0.1415	118		0.1279	106		75-125	10		20
Vanadium, Total	0.00029J	0.5	0.6450	**129**	Q	0.5678	114		75-125	13		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717652-3 WG717652-4 QC Sample: L1419490-03 Client ID: MS Sample									
Zinc, Total	0.00407J	0.5	0.5926	118	0.5342	107	75-125	10	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717745-4 QC Sample: L1419489-03 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00437	88	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717909-4 QC Sample: L1419629-01 Client ID: MW-13A_082714										
Aluminum, Dissolved	0.00316J	2	2.16	108		-	-	75-125	-	20
Antimony, Dissolved	0.00542	0.5	0.5250	104		-	-	75-125	-	20
Arsenic, Dissolved	0.00185	0.12	0.1243	102		-	-	75-125	-	20
Barium, Dissolved	0.05683	2	2.048	100		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05328	106		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05666	111		-	-	75-125	-	20
Calcium, Dissolved	496.	10	527	**310**	Q	-	-	75-125	-	20
Chromium, Dissolved	0.00048J	0.2	0.1994	100		-	-	75-125	-	20
Cobalt, Dissolved	0.00027	0.5	0.4986	100		-	-	75-125	-	20
Copper, Dissolved	ND	0.25	0.2482	99		-	-	75-125	-	20
Iron, Dissolved	7.35	1	8.65	**130**	Q	-	-	75-125	-	20
Lead, Dissolved	0.00020J	0.51	0.5246	103		-	-	75-125	-	20
Magnesium, Dissolved	91.8	10	95.0	**32**	Q	-	-	75-125	-	20
Manganese, Dissolved	1.258	0.5	1.719	92		-	-	75-125	-	20
Nickel, Dissolved	0.00107	0.5	0.4948	99		-	-	75-125	-	20
Potassium, Dissolved	29.2	10	15.9	**0**	Q	-	-	75-125	-	20
Selenium, Dissolved	0.00086J	0.12	0.134	112		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04804	96		-	-	75-125	-	20
Sodium, Dissolved	516.	10	506	**0**	Q	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1189	99		-	-	75-125	-	20
Vanadium, Dissolved	0.00019J	0.5	0.5222	104		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD		RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717909-4 QC Sample: L1419629-01 Client ID: MW-13A_082714										
Zinc, Dissolved	ND	0.5	0.4650	93	-	-	75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG718032-3 WG718032-4 QC Sample: L1419490-03 Client ID: MS Sample										
Mercury, Total	ND	0.005	0.00429	86	0.00564	113	75-125	**27**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717745-3 QC Sample: L1419489-03 Client ID: DUP Sample						
Mercury, Dissolved	ND	ND	mg/l	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717909-3 QC Sample: L1419629-01 Client ID: MW-13A_082714						
Magnesium, Dissolved	91.8	89.8	mg/l	2		20
Manganese, Dissolved	1.258	1.248	mg/l	1		20
Sodium, Dissolved	516.	502	mg/l	3		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717909-3 QC Sample: L1419629-01 Client ID: MW-13A_082714					
Aluminum, Dissolved	0.00316J	0.00300J	mg/l	NC	20
Antimony, Dissolved	0.00542	0.00170J	mg/l	NC	20
Arsenic, Dissolved	0.00185	0.00177	mg/l	4	20
Barium, Dissolved	0.05683	0.05773	mg/l	2	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Chromium, Dissolved	0.00048J	0.00044J	mg/l	NC	20
Cobalt, Dissolved	0.00027	0.00028	mg/l	3	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Iron, Dissolved	7.35	7.30	mg/l	1	20
Lead, Dissolved	0.00020J	0.00020J	mg/l	NC	20
Nickel, Dissolved	0.00107	0.00104	mg/l	3	20
Potassium, Dissolved	29.2	30.4	mg/l	4	20
Selenium, Dissolved	0.00086J	0.00053J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	0.00019J	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717909-3 QC Sample: L1419629-01 Client ID: MW-13A_082714					
Calcium, Dissolved	496.	526	mg/l	6	20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-01
Client ID: MW-13A_082714
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 08/27/14 11:20
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/04/14 09:23	107,-	JO
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	08/28/14 10:30	08/28/14 14:05	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/28/14 00:45	08/28/14 01:06	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-02
Client ID: MW-14A_082714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/27/14 12:10
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/04/14 09:23	107,-	JO
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	08/28/14 10:30	08/28/14 14:08	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/28/14 00:45	08/28/14 01:06	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-03
Client ID: MW-18A_082714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/27/14 13:35
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/04/14 09:23	107,-	JO
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	08/28/14 10:30	08/28/14 14:08	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/28/14 00:45	08/28/14 01:06	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

SAMPLE RESULTS

Lab ID: L1419629-04
Client ID: F_GWFB1_082714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/27/14 00:00
Date Received: 08/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/04/14 09:23	107,-	JO
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/28/14 10:30	08/28/14 14:09	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/28/14 00:45	08/28/14 01:06	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419629
Report Date: 09/04/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG717463-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/28/14 00:45	08/28/14 01:05	1,7196A	EL
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG717578-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/28/14 10:30	08/28/14 13:57	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419629

Report Date: 09/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG717463-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG717578-2 WG717578-3								
Cyanide, Total	102		100		80-120	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717463-4 QC Sample: L1419629-01 Client ID: MW-13A_082714												
Chromium, Hexavalent	ND	0.1	0.105	105		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717578-4 WG717578-5 QC Sample: L1419629-01 Client ID: MW-13A_082714												
Cyanide, Total	0.004J	0.2	0.184	92		0.200	100		80-120	8		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG717463-3 QC Sample: L1419629-03 Client ID: MW-18A_082714						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419629-01A	Vial HCl preserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1419629-01B	Vial HCl preserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1419629-01C	Vial HCl preserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1419629-01D	Plastic 500ml unpreserved	A	7	5.6	Y	Absent	HEXCR-7196(1)
L1419629-01E	Plastic 250ml NaOH preserved	A	>12	5.6	Y	Absent	TCN-9010(14)
L1419629-01F	Plastic 500ml HNO3 preserved	A	<2	5.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419629-01G	Amber 1000ml unpreserved	A	7	5.6	Y	Absent	NYTCL-8082-1200ML(7)
L1419629-01H	Amber 1000ml unpreserved	A	7	5.6	Y	Absent	NYTCL-8082-1200ML(7)
L1419629-01I	Amber 1000ml unpreserved	A	7	5.6	Y	Absent	HERB-APA(7)
L1419629-01J	Amber 1000ml unpreserved	A	7	5.6	Y	Absent	HERB-APA(7)
L1419629-01K	Amber 500ml unpreserved	A	7	5.6	Y	Absent	NYTCL-8081(7)
L1419629-01L	Amber 500ml unpreserved	A	7	5.6	Y	Absent	NYTCL-8081(7)
L1419629-01M	Amber 1000ml unpreserved	A	7	5.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419629-01N	Amber 1000ml unpreserved	A	7	5.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419629-01O	Plastic 250ml unpreserved	A	7	5.6	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419629-01X	Plastic 250ml HNO3 preserved spl	A	<2	5.6	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1419629-02A	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1419629-02B	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1419629-02C	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1419629-02D	Plastic 500ml unpreserved	B	7	3.1	Y	Absent	HEXCR-7196(1)
L1419629-02E	Plastic 250ml NaOH preserved	B	>12	3.1	Y	Absent	TCN-9010(14)
L1419629-02F	Plastic 500ml HNO3 preserved	B	<2	3.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419629-02G	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1419629-02H	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1419629-02I	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	HERB-APA(7)
L1419629-02J	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	HERB-APA(7)
L1419629-02K	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1419629-02L	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1419629-02M	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419629-02N	Amber 1000ml unpreserved	C	7	2.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419629-02O	Plastic 250ml unpreserved	B	7	3.1	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419629-02X	Plastic 500ml HNO3 preserved	B	<2	3.1	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1419629-03A	Vial HCl preserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1419629-03B	Vial HCl preserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1419629-03C	Vial HCl preserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)
L1419629-03D	Plastic 500ml unpreserved	A	7	5.6	Y	Absent	HEXCR-7196(1)
L1419629-03E	Plastic 250ml NaOH preserved	A	>12	5.6	Y	Absent	TCN-9010(14)
L1419629-03F	Plastic 250ml HNO3 preserved spl	A	<2	5.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419629-03G	Amber 1000ml unpreserved	C	7	2.3	Y	Absent	NYTCL-8082-1200ML(7)
L1419629-03H	Amber 1000ml unpreserved	C	7	2.3	Y	Absent	NYTCL-8082-1200ML(7)
L1419629-03I	Amber 1000ml unpreserved	C	7	2.3	Y	Absent	HERB-APA(7)
L1419629-03J	Amber 1000ml unpreserved	C	7	2.3	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1419629-03K	Amber 500ml unpreserved	C	7	2.3	Y	Absent	HOLD-8081(7)
L1419629-03L	Amber 500ml unpreserved	B	7	3.1	Y	Absent	HOLD-8081(7)
L1419629-03M	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419629-03N	Amber 1000ml unpreserved	C	7	2.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419629-03O	Plastic 250ml unpreserved	C	7	2.3	Y	Absent	FILTER-MET(1)
L1419629-03P	Amber 500ml unpreserved	B	7	3.1	Y	Absent	HOLD-8081(7)
L1419629-03Q	Amber 500ml unpreserved	B	7	3.1	Y	Absent	HOLD-8081(7)
L1419629-03R	Amber 1000ml unpreserved	C	7	2.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419629-03X	Plastic 500ml HNO3 preserved	C	<2	2.3	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1419629-04A	Vial HCl preserved	C	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1419629-04B	Vial HCl preserved	C	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1419629-04C	Vial HCl preserved	C	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1419629-04D	Plastic 500ml unpreserved	C	7	2.3	Y	Absent	HEXCR-7196(1)
L1419629-04E	Plastic 250ml NaOH preserved	C	>12	2.3	Y	Absent	TCN-9010(14)
L1419629-04F	Plastic 250ml HNO3 preserved spl	C	<2	2.3	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419629-04G	Amber 1000ml unpreserved	C	7	2.3	Y	Absent	NYTCL-8082-1200ML(7)
L1419629-04H	Amber 1000ml unpreserved	C	7	2.3	Y	Absent	NYTCL-8082-1200ML(7)
L1419629-04I	Amber 1000ml unpreserved	C	7	2.3	Y	Absent	HERB-APA(7)
L1419629-04J	Amber 1000ml unpreserved	C	7	2.3	Y	Absent	HERB-APA(7),NYTCL-8081(7)
L1419629-04M	Amber 1000ml unpreserved	C	7	2.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419629-04O	Plastic 250ml unpreserved	C	7	2.3	Y	Absent	FILTER-MET(1)
L1419629-04X	Plastic 500ml HNO3 preserved	C	<2	2.3	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1419629-05A	Vial HCl preserved	C	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1419629-05B	Vial HCl preserved	C	N/A	2.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419629
Report Date: 09/04/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)

Container Comments

L1419629-01F

L1419629-02F

L1419629-03F

L1419629-04F

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419629
Project Number:	170229002	**Report Date:**	09/04/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419629
Project Number:	170229002	**Report Date:**	09/04/14

Data Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419629
Project Number:	170229002	**Report Date:**	09/04/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

GROUNDWATER

Serial_No:09041417:25

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 8/27/14

ALPHA Job #: L1419629

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANGAN, D.P.C.
Address:
Phone:
Fax:
Email: gwyka@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: MIMI RAYGORODETSKY
ALPHA Quote #: 2014687

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/4/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	PART 375 / CP-51 UNRESTRICTED USE SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) PROVIDE EDDS
2) PROVIDE ASP CAT. B DELIVERABLES

ANALYSIS: VOCs (TAL/TCL), SVOCs (TAL/TCL), PCBs (TAL/TCL), HERBs (TAL/TCL), PESTs (TAL/TCL), METALS (TOTAL) (TAL/TCL), METALS (LAB FILTER) (TAL/TCL), HEX-CHROM, TRI-CHROM, CYANIDE

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCBs	HERBs	PESTs	METALS	METALS	HEX-CHROM	TRI-CHROM	CYANIDE			Sample Specific Comments
19629.1	MW-13A_082714	8/27/14	11:20	GW	JM	X	→	→	→	→	→	→	→	→	X			HAMBERS, 500ML AMBER, PLASTIC, 40ML VOAs
.2	MW_14_082714		12:10			X	→	→	→	→	→	→	→	→	X			
.3	MW_18_082714		13:35			X	→	→	→	→	→	→	→	→	X			
.4	F_GWFB01_082714			AQ.		X	→	→	→	→	→	→	→	→	X			
.5	F_GWTB02_082714			AQ.		X												(2) 40ML VOAs

Container Type																	
Preservative																	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/27/14 14:40	[signature] AAL	8-27-14 1440
[signature]	8-27-14 2210	Tom Toher	8-27-14 2210
Tom Toher	8-27-14 2210	Richard Scott	8/27/14 22:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX H

ANALYTICAL LABORATORY CERTIFICATION

COPY

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

Is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Bacteriology	
Coliform, Total / E. coli (Qualitative)	SM 18-22 9223B (-97) (Colilert)
Standard Plate Count	SM 18-22 9215B (-00)
Drinking Water Metals I	
Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Drinking Water Metals II	
Aluminum, Total	EPA 200.7 Rev. 4.4
Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.7 Rev. 4.4

Drinking Water Metals II	
Beryllium, Total	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Drinking Water Metals III	
Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4
Drinking Water Miscellaneous	
Organic Carbon, Total	SM 19-22 5310C (-00)
Perchlorate	EPA 332.0 Rev. 1
Turbidity	SM 18-22 2130 B (-01)
	EPA 180.1 Rev. 2.0
Drinking Water Non-Metals	
Alkalinity	SM 18-22 2320B (-97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
Color	SM 18-22 2120B (-01)
Cyanide	SM 18-22 4500-CN E (-99)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-22 4500-F C (-97)
Nitrate (as N)	SM 18-22 4500-NO3 F (-00)
Nitrite (as N)	SM 18-22 4500-NO3 F (-00)
Solids, Total Dissolved	SM 18-22 2540C (-97)

Serial No.: 50510

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

COPY

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8 WALKUP DR
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All approved analytes are listed below:

Drinking Water Non-Metals	
Specific Conductance	SM 18-22 2510B (-97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
Drinking Water Trihalomethanes	
Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2
Fuel Additives	
Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2
Microextractibles	
1,2-Dibromo-3-chloropropane	EPA 504.1
1,2-Dibromoethane	EPA 504.1
Volatile Aromatics	
1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2

Volatile Aromatics	
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2

Serial No.: 50510

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8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No. 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Volatile Halocarbons	
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

Serial No.: 50510

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ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 8260C
	EPA 624
Acrylonitrile	EPA 8260C
	EPA 624
Ethyl methacrylate	EPA 8260C
Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 625
	EPA 8270D
Pyridine	EPA 625
	EPA 8270D
Bacteriology	
Coliform, Fecal	SM 9221C,E-06
	SM 9222D-97,-11
Coliform, Total	SM 9221B-06
	SM 9222B-97,-11
Standard Plate Count	SM 18-21 9215B
Benzidines	
3,3'-Dichlorobenzidine	EPA 625
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 625
	EPA 8270D
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
	EPA 608
4,4'-DDE	EPA 8081B
	EPA 608
4,4'-DDT	EPA 8081B
	EPA 608
Aldrin	EPA 8081B
	EPA 608
alpha-BHC	EPA 8081B
	EPA 608
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
	EPA 608
Chlordane Total	EPA 8081B
	EPA 608
delta-BHC	EPA 8081B
	EPA 608
Dieldrin	EPA 8081B
	EPA 608
Endosulfan I	EPA 8081B
	EPA 608

Serial No.: 50511

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

Is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Chlorinated Hydrocarbon Pesticides	
Endosulfan II	EPA 8081B
	EPA 608
Endosulfan sulfate	EPA 8081B
	EPA 608
Endrin	EPA 8081B
	EPA 608
Endrin aldehyde	EPA 8081B
	EPA 608
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
	EPA 608
Heptachlor epoxide	EPA 8081B
	EPA 608
Lindane	EPA 8081B
	EPA 608
Methoxychlor	EPA 8081B
	EPA 608
Toxaphene	EPA 8081B
	EPA 608
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625
	EPA 8270D

Chlorinated Hydrocarbons	
2-Chloronaphthalene	EPA 625
	EPA 8270D
Hexachlorobenzene	EPA 625
	EPA 8270D
Hexachlorobutadiene	EPA 625
	EPA 8270D
Hexachlorocyclopentadiene	EPA 625
	EPA 8270D
Hexachloroethane	EPA 625
	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dinoseb	EPA 8151A
Demand	
Biochemical Oxygen Demand	SM 5210B-01,-11
Carbonaceous BOD	SM 5210B-01,-11
Chemical Oxygen Demand	EPA 410.4 Rev. 2.0
	SM 5220D-97,-11
Fuel Oxygenates	
Di-isopropyl ether	EPA 8260C
Ethanol	EPA 8260C

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Fuel Oxygenates	
Methyl tert-butyl ether	EPA 8260C
tert-amyl methyl ether (TAME)	EPA 8260C
tert-butyl alcohol	EPA 8260C
tert-butyl ethyl ether (ETBE)	EPA 8260C
Haloethers	
4-Bromophenylphenyl ether	EPA 625
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 625
	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 625
	EPA 8270D
Low Level Polynuclear Aromatics	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Mineral	
Acidity	SM 2310B-97,-11
Alkalinity	SM 2320B-97,-11
Chloride	EPA 300.0 Rev. 2.1
	SM 4500-Cl- E-97,-11
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 4500-F C-97,-11
Hardness, Total	EPA 200.7 Rev. 4.4
	SM 2340B-97,-11
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
	SM 4500-SO4 E-97,-11
Nitroaromatics and Isophorone	
1,3-Dinitrobenzene	EPA 8270D
2,4-Dinitrotoluene	EPA 625
	EPA 8270D
2,6-Dinitrotoluene	EPA 625
	EPA 8270D
Isophorone	EPA 625

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8 WALKUP DR
WESTBOROUGH, MA 01581-1019

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All approved analytes are listed below:

Nitroaromatics and Isophorone	
Isophorone	EPA 8270D
Nitrobenzene	EPA 625
	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 625
	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270D
N-Nitrosodiphenylamine	EPA 625
	EPA 8270D
Nutrient	
Ammonia (as N)	SM 4500-NH3 H-97,-11
	EPA 350.1 Rev. 2.0
Kjeldahl Nitrogen, Total	EPA 351.1 Rev. 1978
	LACHAT 10-107-06-2
Nitrate (as N)	EPA 353.2 Rev. 2.0
	EPA 300.0 Rev. 2.1
	SM 4500-NO3 F-00,-11
Nitrite (as N)	EPA 353.2 Rev. 2.0
	SM 4500-NO3 F-00,-11
	SM 4500-NO2 B-00,-11
Orthophosphate (as P)	SM 4500-P E-99,-11
Phosphorus, Total	SM 4500-P E-99,-11

Organophosphate Pesticides	
Atrazine	EPA 8270D
Parathion ethyl	EPA 8270D
Thionazin	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C
Phthalate Esters	
Benzyl butyl phthalate	EPA 625
	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270D
Diethyl phthalate	EPA 625
	EPA 8270D
Dimethyl phthalate	EPA 625
	EPA 8270D
Di-n-butyl phthalate	EPA 625
	EPA 8270D
Di-n-octyl phthalate	EPA 625
	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
	EPA 608
PCB-1221	EPA 8082A
	EPA 608

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Polychlorinated Biphenyls		**Polynuclear Aromatics**	
PCB-1232	EPA 8082A EPA 608	Benzo(ghi)perylene	EPA 625 EPA 8270D
PCB-1242	EPA 8082A EPA 608	Benzo(k)fluoranthene	EPA 625 EPA 8270D
PCB-1248	EPA 8082A EPA 608	Chrysene	EPA 625 EPA 8270D
PCB-1254	EPA 8082A EPA 608	Dibenzo(a,h)anthracene	EPA 625 EPA 8270D
PCB-1260	EPA 8082A EPA 608	Fluoranthene	EPA 625 EPA 8270D
PCB-1262	EPA 8082A	Fluorene	EPA 625 EPA 8270D
PCB-1268	EPA 8082A	Indeno(1,2,3-cd)pyrene	EPA 625 EPA 8270D
Polynuclear Aromatics		Naphthalene	EPA 625 EPA 8270D
Acenaphthene	EPA 625 EPA 8270D	Phenanthrene	EPA 625 EPA 8270D
Acenaphthylene	EPA 625 EPA 8270D	Pyrene	EPA 625 EPA 8270D
Anthracene	EPA 625 EPA 8270D	**Priority Pollutant Phenols**	
Benzo(a)anthracene	EPA 625 EPA 8270D	2,3,4,6 Tetrachlorophenol	EPA 8270D
Benzo(a)pyrene	EPA 625 EPA 8270D	2,4,5-Trichlorophenol	EPA 625 EPA 8270D
Benzo(b)fluoranthene	EPA 625 EPA 8270D	2,4,6-Trichlorophenol	EPA 625

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Priority Pollutant Phenols	
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 625
	EPA 8270D
2,4-Dimethylphenol	EPA 625
	EPA 8270D
2,4-Dinitrophenol	EPA 625
	EPA 8270D
2-Chlorophenol	EPA 625
	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625
	EPA 8270D
2-Methylphenol	EPA 625
	EPA 8270D
2-Nitrophenol	EPA 625
	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 625
	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 625
	EPA 8270D
Pentachlorophenol	EPA 625
	EPA 8270D
Phenol	EPA 625
	EPA 8270D

Residue	
Solids, Total	SM 2540 B-97,-11
Solids, Total Dissolved	SM 2540 C-97,-11
Solids, Total Suspended	SM 2540 D-97,-11
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
	EPA 624
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
	EPA 624
1,4-Dichlorobenzene	EPA 8260C
	EPA 624

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ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

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All approved analytes are listed below:

Volatile Aromatics		**Volatile Halocarbons**	
2-Chlorotoluene	EPA 8260C	1,1,1-Trichloroethane	EPA 8260C
4-Chlorotoluene	EPA 8260C		EPA 624
Benzene	EPA 8260C	1,1,2,2-Tetrachloroethane	EPA 8260C
	EPA 624		EPA 624
Chlorobenzene	EPA 8260C	1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
	EPA 624	1,1,2-Trichloroethane	EPA 8260C
Ethyl benzene	EPA 8260C		EPA 624
	EPA 624	1,1-Dichloroethane	EPA 8260C
Isopropylbenzene	EPA 8260C		EPA 624
m/p-Xylenes	EPA 8260C	1,1-Dichloroethene	EPA 8260C
Naphthalene, Volatile	EPA 8260C		EPA 624
n-Butylbenzene	EPA 8260C	1,1-Dichloropropene	EPA 8260C
n-Propylbenzene	EPA 8260C	1,2,3-Trichloropropane	EPA 8260C
o-Xylene	EPA 8260C	1,2-Dibromo-3-chloropropane	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C		EPA 8011
sec-Butylbenzene	EPA 8260C	1,2-Dibromoethane	EPA 8260C
Styrene	EPA 8260C		EPA 8011
	EPA 624	1,2-Dichloroethane	EPA 8260C
tert-Butylbenzene	EPA 8260C		EPA 624
Toluene	EPA 8260C	1,2-Dichloropropane	EPA 8260C
	EPA 624		EPA 624
Total Xylenes	EPA 8260C	1,3-Dichloropropane	EPA 8260C
	EPA 624	2,2-Dichloropropane	EPA 8260C
Volatile Halocarbons		2-Chloroethylvinyl ether	EPA 8260C
1,1,1,2-Tetrachloroethane	EPA 8260C		EPA 624
		Bromochloromethane	EPA 8260C

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All approved analytes are listed below:

Volatile Halocarbons	
Bromodichloromethane	EPA 8260C
	EPA 624
Bromoform	EPA 8260C
	EPA 624
Bromomethane	EPA 8260C
	EPA 624
Carbon tetrachloride	EPA 8260C
	EPA 624
Chloroethane	EPA 8260C
	EPA 624
Chloroform	EPA 8260C
	EPA 624
Chloromethane	EPA 8260C
	EPA 624
cis-1,2-Dichloroethene	EPA 8260C
	EPA 624
cis-1,3-Dichloropropene	EPA 8260C
	EPA 624
Dibromochloromethane	EPA 8260C
	EPA 624
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
	EPA 624
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C
	EPA 624

Volatile Halocarbons	
Tetrachloroethene	EPA 8260C
	EPA 624
trans-1,2-Dichloroethene	EPA 8260C
	EPA 624
trans-1,3-Dichloropropene	EPA 8260C
	EPA 624
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
	EPA 624
Trichlorofluoromethane	EPA 8260C
	EPA 624
Vinyl chloride	EPA 8260C
	EPA 624
Volatiles Organics	
1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
n-Butanol	EPA 8260C

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Volatiles Organics	
Vinyl acetate	EPA 8260C
Wastewater Metals I	
Barium, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4
Calcium, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A
Chromium, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A
Lead, Total	EPA 200.7 Rev. 4.4
Wastewater Metals I	
Lead, Total	EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4
Magnesium, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A
Manganese, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4
Potassium, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A
Silver, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4
Sodium, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A

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Wastewater Metals II	
Aluminum, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Antimony, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Arsenic, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Chromium VI	EPA 7196A
Mercury, Total	EPA 245.1 Rev. 3.0
	EPA 7470A
Selenium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Wastewater Metals II	
Vanadium, Total	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Wastewater Metals III	
Cobalt, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Molybdenum, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Tin, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Titanium, Total	EPA 200.7 Rev. 4.4
Wastewater Miscellaneous	
Boron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Bromide	EPA 300.0 Rev. 2.1

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Wastewater Miscellaneous

Color	SM 2120B-01,-11
Cyanide, Total	SM 4500-CN E-99,-11
Formaldehyde	EPA 8315A
Oil and Grease Total Recoverable (HEM	EPA 1664A
	EPA 1664B
Organic Carbon, Total	SM 5310C-00,-11
Phenols	EPA 420.1 Rev. 1978
Silica, Dissolved	EPA 200.7 Rev. 4.4
Specific Conductance	EPA 120.1 Rev. 1982
	SM 2510B-97,-11
Sulfide (as S)	SM 4500-S2- D-00,-11
Surfactant (MBAS)	SM 5540C-00,-11
Total Petroleum Hydrocarbons	EPA 1664A
	EPA 1664B
Turbidity	SM 2130 B-01,-11
	EPA 180.1 Rev. 2.0

Sample Preparation Methods

	EPA 5030C
	SM 4500-CN B or C-99,-11
	EPA 9030B
	EPA 3005A
	EPA 3510C
	SM 4500-NH3 B-97,-11
	EPA 9010C

Serial No.: 50511

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 8260C
Acrylonitrile	EPA 8260C
Ethyl methacrylate	EPA 8260C
Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D
Characteristic Testing	
Corrosivity	EPA 9040C
	EPA 9045D
Ignitability	EPA 1030
	EPA 1010A
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B

Chlorinated Hydrocarbon Pesticides	
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D

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Chlorinated Hydrocarbons	
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dinoseb	EPA 8151A
Haloethers	
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatic Hydrocarbons	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM

Low Level Polynuclear Aromatic Hydrocarbons	
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Metals I	
Barium, Total	EPA 6010C EPA 6020A
Cadmium, Total	EPA 6010C EPA 6020A
Calcium, Total	EPA 6010C EPA 6020A
Chromium, Total	EPA 6010C EPA 6020A
Copper, Total	EPA 6010C EPA 6020A
Iron, Total	EPA 6010C EPA 6020A
Lead, Total	EPA 6010C

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Metals I	
Lead, Total	EPA 6020A
Magnesium, Total	EPA 6010C
	EPA 6020A
Manganese, Total	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 6010C
	EPA 6020A
Silver, Total	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 6010C
	EPA 6020A
Metals II	
Aluminum, Total	EPA 6010C
	EPA 6020A
Antimony, Total	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010C

Metals II	
Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 6010C
	EPA 6020A
Metals III	
Cobalt, Total	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 6010C
	EPA 6020A
Thallium, Total	EPA 6010C
	EPA 6020A
Tin, Total	EPA 6010C
Minerals	
Chloride	EPA 9251
Sulfate (as SO4)	EPA 9038
Miscellaneous	
Boron, Total	EPA 6010C
Cyanide, Total	EPA 9014
	EPA 9012B
Phenols	EPA 9065
Specific Conductance	EPA 9050A
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D

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Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8330A
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Organophosphate Pesticides	
Parathion ethyl	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082A

Polychlorinated Biphenyls	
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D

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Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Semi-Volatile Organics	
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C

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Volatile Aromatics	
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C

Volatile Halocarbons	
Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Dibromochloromethane	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C
Volatile Organics	
1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C

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Volatile Organics

Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
n-Butanol	EPA 8260C
tert-butyl alcohol	EPA 8260C
Vinyl acetate	EPA 8260C

Sample Preparation Methods

EPA 5035A-L
EPA 5035A-H
EPA 3580A
EPA 9030B
EPA 3005A
EPA 3050B
EPA 3540C
EPA 3546
EPA 9010C

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